

KUMARAGURU COLLEGE OF TECHNOLOGY, COIMBATORE – 641 049

(Autonomous Institution – Approved by AICTE, affiliated to Anna University, Accredited by NAAC with A++)

Board of Studies – Minutes of Meeting

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KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and
Accreditation Council)

IA^{GRADE}++

Aeronautical Engineering



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COLLEGE OF TECHNOLOGY

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Aeronautical Engineering

Sl. No.	Date of Board of Studies meeting
1.	20.01.2023
2.	16.07.2022
3.	18.12.2021
4.	12.07.2021
5.	19.06.2021
6.	21.11.2020
7.	01.12.2018
8.	24.03.2018



DEPARTMENT OF AERONAUTICAL ENGINEERING

21st Board of Studies (BOS)

MINUTES OF BOARD OF STUDIES MEETING

Program: B.E Aeronautical Engineering & M.Tech Defence Technology

Venue: MS Teams Online Meeting

Date: 20.01.2023

Time: 11.30 AM

Agenda

- Presenting Minutes of DAB Meeting Dt: 10.12.2022
- Presenting Action Taken Report on Previous BoS Meeting
- Introduction of One Credit Courses / Programme Electives / Open Electives/ Value Added Courses
- Minor specialization and Language Electives
- Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
- Targets for CO / PO for Academic Year 2022-23
- Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2022-23
- Members Recommendations for Implementing NEP 2020
- Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2023 (R2023)
- Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery
- Best Practices followed in (External) Member's Institutions
- Any other matters (with the permission of Chairman, BoS)
- Vote of Thanks

Board of Studies Members		
Sl. No	Name	Role
1.	Dr K Sundararaj , Professor and Head, Department of Aeronautical Engineering, KCT	BOS Chairman
2.	Dr Kalil Rahiman M , Professor, Department of Farm Machinery, Saveetha School of Engineering, SIMATS, Chennai	Anna University Nominee
3.	Mr. RV. Ramkumar , Scientist F, Centre for Airborne Systems, Ministry of Defence (R&D), DRDO, Belur,	Subject Expert

	Bengaluru.	
4.	Dr. K. M. Parammasivam , Professor, Department of Aerospace Engineering, Madras Institute of Technology, Chennai	Subject Expert
5.	Mr. Jaikumar Loganathan , Senior Engineer, GE Global Research, Bangalore	Expert from Corporate related to Placement
6.	Mr. Vishal S Shirbhate , Principal Scientist, Computational and Theoretical Fluid Dynamics division, National Aerospace Laboratories (NAL), Bangalore	Industry Representative
7.	Mr. V M Ramesh Associate Manager- Planning (Airside Operations) GMR GGIAL (New Goa Airport)	Alumni Member
8.	Dr. Sundaresan S , Associate Professor, Department of Textile Technology, KCT	Autonomous Coordinator
9.	Dr. Vinohar Stephen Rapheal , Associate Professor, Department of Bio Technology, KCT	Department of Academics
10.	Dr. J. Vijayaprakash , Associate Professor, MCA, KCT	Dy Controller of Examinations
11.	Dr Selvanayaki S , Asst Professor (SrG), Science & Humanities, KCT	Special Invitee
12.	Dr M Senthil Kumar , Asst. Professor III , Department of Aeronautical Engineering, KCT	BOS Convener
13.	Dr. Premkumar PS , Associate Professor, Department of Aeronautical Engineering, KCT	Department DAB & Budget Coordinator
14.	Mr S Senthilkumar , Asst. Professor –I , Department of Aeronautical Engineering, KCT	NBA Coordinator & Module Coordinator – Avionics/Systems
15.	Mr Naveenkumar K , Asst. Professor –II, Department of Aeronautical Engineering, KCT	Module Coordinator – Aircraft Structures
16.	Mr R Arul Prakash , Asst. Professor –II, Department of Aeronautical Engineering, KCT	Timetable coordinator, Module Coordinator – Aircraft Propulsion
17.	Mr R Arunkumar , Asst. Professor –II, Department of Aeronautical Engineering, KCT	Exam Coordinator
18.	Mr J Darshankumar , Asst. Professor –III, Department of Aeronautical Engineering, KCT	Aero Modelling/ Placement Coordinator
19.	Mr G Rajkumar , Asst. Professor –II, Department of Aeronautical Engineering, KCT	NBA Co Coordinator
20.	Mr R Vijayanandh , Asst. Professor –II, Department of Aeronautical Engineering, KCT	Module Committee - Avionics
21.	Mr S Muthukumar , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Module Coordinator - Aerodynamics
22.	Mr Bennyrajan N , Department of Aeronautical Engineering, KCT	Instructor
23.	Mr Aroldaraj B , Department of Aeronautical Engineering, KCT	Instructor

24.	Mr. Haribalan , , Final Year Student, Aero, KCT	Student Member
25.	Mr. Manoj Kumar R , Final Year Student, Aero, KCT	Student Member
26.	Mr. B. Kishore , Third Year Student, Aero, KCT	Student Member
27.	Ms. C. Sheeba , Third Year Student, Aero, KCT	Student Member
28.	Mr Saravana Mohan K , Senior Technician, Sai Regency Power Corporation Pvt Ltd, Ramanathapuram	Parent Member
29.	Mr Gnana Selvam , Manager, Ramesh Pumps, Coimbatore	Parent Member

- Welcome note and introduction of members given by Chairman Dr K Sundararaj, Professor & Head, Department of Aeronautical Engineering, KCT.
- Minutes of the Department Advisory Board (DAB) Meeting presented by Dr. Premkumar PS, Associate Professor, Department of Aeronautical Engineering, KCT.
- Dr M Senthil Kumar, BoS Convener presented Action Taken Report on Previous BoS Meeting dated 16.07.2022.

Stakeholders' feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods

(i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods recommended and proposed by Dr K Sundararaj to the BoS members

Targets for CO / PO for Academic Year 2022-23

Targets for CO / PO for Academic Year 2022-23 presented by Mr. S. Senthil Kumar, NBA Coordinator.

Action Plan for Continuous Improvement

- Bridge courses will be planned for slow learners.
- More tutorial hours to be added for analytical type courses to gain more practice in solving problems.
- Extra classes will be planned for discussing the prerequisite knowledge.
- Project based assessment to be introduced for the courses with low attainment.
- Introduction of different assessment methods such as completion of NPTEL/MOOC courses by students.
- Encouraging students to take part in industry projects.

Approval of Panel of Examiners for OP Setting / Lab Exams for AY 2022-23

Panel of Examiners for Question Paper Setting / Laboratory Examinations for Academic Year 2022-23 presented by Mr. R. Arun Kumar, Exam Coordinator, Department of Aeronautical Engineering, KCT to BoS members for approval.

Recommendations for Implementing NEP 2020

As per the NEP, the students have options of multiple exits during their UG programme. For example, a student can exit just after 1st year of graduation with a certificate in hand. If

he/she opts to exit after the second year, an Advanced Diploma will be awarded for 2 years of successful completion of study. As usual, the 3rd year of UG completion will result in a Bachelor's Degree and 4th year of UG completion will be awarded with a Bachelor's of Research.

Comments by Members:

Dr Kalil Rahiman M, Anna University Nominee

- Appreciated KCT for achievement of A⁺⁺ Grade by NAAC
- Appreciated the Department of Aeronautical Engineering for various achievements such as Faculty PhD Completion, Paper publications, IEI Award recognition and IAF Projects.
- Internship should be encouraged to all students in summer
- For slow learners, attainment should be increased

Dr. K. M. Parammasivam, Professor, Madras Institute of Technology, Chennai

- Congratulated KCT for NAAC A⁺⁺ Grade
- Panel of Examiners for Question Paper setting may be prepared with Experts from other states of India.
- Strategic plan for next three to five years should be planned
- KCT may offer scholarship to attract PG Students (M.Tech Defence Technology)

Mr. RV. Ramkumar, Scientist F, Centre for Airborne Systems, Ministry of Defence (R&D)

- Congratulated KCT for obtaining NAAC A⁺⁺ Grade
- An additional course related to Aircraft Systems may be offered to enhance systems knowledge.
- A course titled "Foundations of AI / ML" may be included in the curriculum.

Mr. Vishal S Shirbhate, Principal Scientist, NAL, Bangalore

- Congratulated KCT for NAAC A⁺⁺ Grade
- Appreciated KCT Management, Department of Aeronautical Engineering for various achievements such as Paper publications, IEI Award recognition and IAF Projects.
- Faculty and Students may participate in Air show 2023 during February 2023.
- Internship can be arranged for two batches of KCT B.E Aeronautical Engineering & M.Tech Defence Technology students this year.

Mr. Jaikumar Loganathan, Senior Engineer, GE Global Research

- Congratulated KCT for NAAC A⁺⁺ Grade and Defence Collaborations
- ASME Student chapter may be planned at KCT to promote Gas turbine Conferences

Mr. V M Ramesh, Associate Manager- Planning (Airside Operations), KCT Alumni

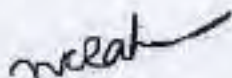
- Society of Indian Defence Manufacturers (SIDM) Membership may be applied
- Indigenously developed UAV/ Drones may be planned by M.Tech Defence Students. (and other weapons which can be specifically used by our Defense Forces).

Dr. Vinohar Stephen Rapheal, Department of Academics

- Focus area should be planned for Regulations 2023
- Minor specialization should be offered from Department of Aeronautical Engineering
- If Anna University, Chennai allowed to offer Honours Degree, Department of Aeronautical Engineering should plan accordingly.

The following initiatives are approved by the Committee

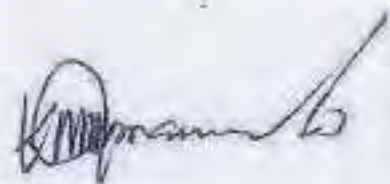
1. Regulations 2023 Curriculum I – VIII Semesters (B. E Aeronautical Engineering)
2. Regulations 2023 Curriculum & Syllabi I – IV Semesters (M. Tech- Defence Technology)
3. Targets for CO / PO for Academic Year 2022-23
4. Panel of Examiners for QP Setting / Lab Exams for AY 2022-23
5. From the 2021-2025 batch (Regulations 2018) Engineering clinic V-U18INI56000 has been removed, Professional Elective is introduced in V semester



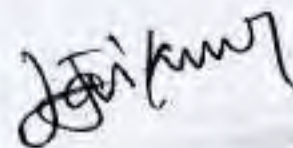
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Mr. Jaikumar Loganathan,
GE Global Research



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Principal Scientist, NAL



Mr. V M Ramesh
KCT Alumni



Dr Selvanayagi S
Asst Professor (SrG)/S&H



Dr. Vinohar Stephen Rapheal
Department of Academics



Dr. M. Senthil Kumar,
BOS Convenor
Dept. of Aeronautical Engg



Dr. K. Sundararaj,
Chairman / Board of Studies,
Dept. of Aeronautical Engg



DEPARTMENT OF AERONAUTICAL ENGINEERING

20th Board of Studies (BOS)

MINUTES OF BOARD OF STUDIES MEETING

Program: B.E Aeronautical Engineering & M.Tech Defence Technology

Venue: MS Teams Online Meeting

Date: 16.07.2022

Time: 03.00 PM

Agenda

- Presenting Minutes of DAB Meeting Dt: 11.07.2022
- Presenting Action Taken Report on Previous BoS Meeting
- Introduction of One Credit Courses / Programme Electives / Open Electives/ Value Added Courses
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- Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
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- Any other matters (with the permission of Chairman, BoS)
- Vote of Thanks

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3.	Mrs. M. Backialakshmi , Scientist G, Group Director,	Subject Expert

	Centre for Airborne Systems, Ministry of Defence (R&D), DRDO, Belur, Bengaluru.	
4.	Dr. K. M. Parammasivam , Professor, Department of Aerospace Engineering, Madras Institute of Technology, Chennai	Subject Expert
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- Dr M Senthil Kumar, BoS Convener presented Action Taken Report on Previous BoS Meeting dated 18.12.2021.

Stakeholders' feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods

(i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods recommended and proposed by Dr K Sundararaj to the BoS members are as follows
Vision, Mission, PEOs and PSOs

VISION	
INSTITUTE	DEPARTMENT
The vision of the college is to become a technical university of International Standards through continuous improvement	To attain excellence and global reputation in Aeronautical Engineering Education and Research.

MISSION	
INSTITUTE	DEPARTMENT
Kumaraguru College of Technology (KCT) is committed to provide quality Education and Training in Engineering and Technology to prepare students for life and work equipping them to contribute to the technological, economic and social development of India. The College pursues excellence in providing training to develop a sense of professional responsibility, social and cultural awareness and set students on the path to leadership.	<ul style="list-style-type: none"> • The department is committed to provide quality education in Aeronautical Engineering to students to build their career and do quality research and thus contribute to the field of Aviation and Aerospace. • The department aims to prepare students for their higher studies and research to contribute to the advanced technological needs of Aeronautical engineering. • Encourage faculty to update their knowledge and teaching-learning process through continuous learning. • Undertake inter-disciplinary research to contribute and support the industry.

Programme Educational Objectives (PEOs)	
To Prepare Graduates to:	
PEO1	Take up careers in Aeronautical domain-related Aerodynamics , Aircraft Structures, Aircraft Propulsion, UAV and Avionics, and other careers that requires aeronautical field expertise
PEO2	Pursue higher education leading to academic and research careers in the field of Aeronautical Engineering.
PEO3	Become innovators by the way of grooming their professionalism in Aeronautical Engineering and explore opportunities that come across through their employers and professional bodies.

Programme Specific Outcomes (PSOs)	
Graduates of the Aeronautical Engineering Undergraduate Program will have the ability to:	
PSO1	Apply concepts and principles of Aerodynamics, Aircraft Structures, Aircraft Propulsion, Aerospace Materials, UAV and Avionics to provide solutions to critical industrial problems.
PSO2	Develop appropriate computational methods and tools for the purpose of design and creation of aerospace systems leading to interpretation of outcomes.

Targets for CO / PO for Academic Year 2022-23

Targets for CO / PO for Academic Year 2022-23 presented by Mr. S. Senthil Kumar, NBA Coordinator.

Aerodynamics and Flight Dynamics Module

Course Code	Course Title	Target fixed	Attained (%)						Target fixed for the Year 2022-2023
			CO1	CO2	CO3	CO4	CO5	CO6	
U18AEI3201	Fluid Mechanics	65%	84.3	72.4	68.0	75.71	82.0	-	70%
U18AEI5101	High Speed Aerodynamics	65%	72.7	73.4	72.0	81.0	74.5	79.0	70%
U18AET5003	Computational Fluid Dynamics	65%	81.0	60.2	66.6	75.0	68.6	78.0	70%
U18AEI7201	Aircraft Design	65%	84.3	85.3	72.0	75.4	86.0	75.3	70%

Propulsion Module

Course Code	Course Title	Target fixed	Attained (%)					Target fixed for the Year 2022-2023
			CO1	CO2	CO3	CO4	CO5	
U18AEI3202	Engineering Thermodynamics	65%	75.54	74.06	74.23	72.56	79.9	70%
U18AEI5205	Aircraft Propulsion	70%	76.76	75.46	70.15	78.34	83.16	75%

Aircraft Structures Module

Course Code	Course Title	Target fixed	Attained (%)						Target fixed for the Year 2022-2023
			CO1	CO2	CO3	CO4	CO5	CO6	
U18AEI3203	Mechanics of Solids	60%	64.77	61.09	67.57	73.97	72.37	77.78	65%
U18AEI5202	Aircraft Structures II	70%	72.78	74.76	74.6	78.79	78.24	-	75%

Avionics and Systems Module

Course Code	Course Title	Target fixed	Attained (%)					Target fixed for the Year 2022-2023
			CO1	CO2	CO3	CO4	CO5	
U18EEI3202	Aircraft Electrical and Electronics Systems	65%	78.3	86.73	76.45	84.18	84.18	80%
U18AEI5204	Aircraft Systems and Instruments	65%	68.3	76.73	76.45	74.18	74.18	70%
U18AEI7203	Avionics	60%	66.2	62.04	63.37	65.47	65.47	65%

OVERALL PO and PSO ATTAINMENT (in %)

Year	Target fixed	Attained (%)													
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
2021-22	70%	78.76	76.54	78.24	78.5	82.0	84.2	79.6	74.8	78.36	68.4	80.45	76.0	78.28	76.68
2022-23	75%														

Action Plan for Continuous Improvement

- Bridge courses will be planned for slow learners.
- More tutorial hours to be added for analytical type courses to gain more practice in solving problems.
- Extra classes will be planned for discussing the prerequisite knowledge.
- Project based assessment to be introduced for the courses with low attainment.
- Introduction of different assessment methods such as completion of NPTEL/MOOC courses by students.
- Encouraging students to take part in industry projects.

Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2022-23

Panel of Examiners for Question Paper Setting / Laboratory Examinations for Academic Year 2022-23 presented by Mr. R. Arun Kumar, Exam Coordinator, Department of Aeronautical Engineering, KCT to BoS members for approval.

Recommendations for Implementing NEP 2020

As per the NEP, the students will now have options of multiple exits during their UG programme. For example, a student can exit just after 1st year of graduation with a certificate in hand. If he/she opts to exit after the second year, an Advanced Diploma will be awarded for 2 years of successful completion of study. As usual, the 3rd year of UG completion will result in a Bachelor's Degree and 4th year of UG completion will be awarded with a Bachelor's of Research.

NEP 2020 – UG Exit Options

Option No.	Options	Academic Recognition
1	After 1st year of UG programme	Certificate
2	After 2nd year of UG programme	Advanced Diploma
3	After 3rd year of UG programme	Bachelor's Degree
4	After 4th year of UG programme	Bachelor's with Research

Comments by Members:

Dr Kalil Rahiman M, Anna University Nominee

- Appreciated Internship added in curriculum under Regulations 2022
- NPTEL credits earned by students should be considered in KCT
- Fundamentals of Python Programming and MAT Lab should be included for M.Tech Defence Technology students as an elective courses

Mrs. M. Backialakshmi, Scientist G, Centre for Airborne Systems

- Minor Course on Virtual Reality should be offered
- Feedback mechanism is required for assessing Internship students at DRDO labs
- DRDO expert list for M.Tech Defence Technology laboratory courses is to be revalidated.
- Diploma course and Degree course content in First year /second year needs to be augmented with additional course like CFD.
- MAT lab & Python lab should be included in course syllabus

Dr. K. M. Parammasivam, Professor, Madras Institute of Technology, Chennai

- Congratulated KCT for 108 ranking in NIRF 2022
- Regional diversity is to be followed for B.E and M.Tech admissions at KCT
- In the 17 sustainable development goals (SDGs) to transform our world set up by the United Nations General Assembly, KCT needs to consider any one of SDG to ensure that by 2030 all people enjoy peace and prosperity.

- For NEP 2020, state government norms needs to be followed
- Only one or two specialization should be considered for M.Tech Defence Technology

Mr. Vishal S Shirbhate, Principal Scientist, NAL, Bangalore

- Congratulated KCT for 108 ranking in NIRF 2022
- Multi-disciplinary Optimization should be offered as a separate course and lab tool such as open-source MDO tool / commercial software should be considered while framing the syllabus for Multi-disciplinary Optimization course.

Mr. Jaikumar Loganathan, Senior Engineer, GE Global Research

- Encourage faculty and students to participate industry organizing Hackathon, Brainstorming activities, Problem solving skills etc

Mr. V M Ramesh, Associate Manager- Planning (Airside Operations), KCT Alumni

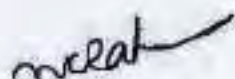
- Practical application of Drones like Surveying using GIS (Geographical Information Systems) or Remote sensing Technologies. GIS software training can be imparted as a specialization for the candidates.
- The Make in India Initiatives has boosted the career opportunities in Aviation segments as well. All aircraft that are manufactured requires practical training on Synthetic Training Devices which are simulated using software. An internship/ practical understanding in this area can also become useful.
- Airlines/ Flying Training Organization do have requirements of Trained Theoretical Knowledge Instructor's. Aeronautical Engineers do qualify as TKI's. They can be trained on specific Aircraft Performance subjects.
- Professional Electives can be segregated based on the streams and the students may be given an option to select the electives from the particular stream only like structures, avionics, space technology etc.
- Radio Navigation & Aviation Regulations covering operations and maintenance of Aircraft shall be added as an additional knowledge base subject to give them an understanding of Civil Aviation.
- All aviation organization do have safety and quality management systems, TQM can include safety aspects as a separate components.

Dr. Vinohar Stephen Rapheal, Department of Academics

- Six Professional Electives may be offered instead of four under Regulations 2022
- Refer UGC circular for new terminology for implementing National Education Policy NEP 2020

The following initiatives are approved by the Committee

1. Regulations 2022 Curriculum I – VIII Semesters (B. E Aeronautical Engineering)
2. Regulations 2022 Curriculum & Syllabi I – IV Semesters (M. Tech- Defence Technology)
3. Targets for CO / PO for Academic Year 2022-23
4. Panel of Examiners for QP Setting / Lab Exams for AY 2022-23
5. U18VET4101 Universal Human Values 2: Understanding Harmony under Regulations 2018 (from 2020-24 batch)



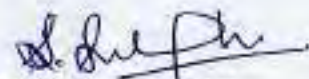
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Anna University Nominee



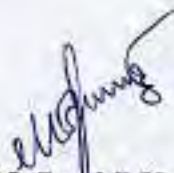
Mrs. M. Backialakshmi,
Scientist G, Centre for Airborne Systems



Mr. Vishal S Shirbhate
Principal Scientist, NAL



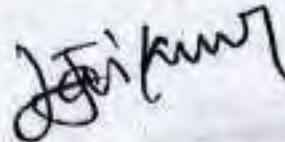
Dr Selvanayagi S
Asst Professor (SrG)/S&H



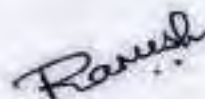
Dr. M. Senthil Kumar,
BOS Convenor
Dept. of Aeronautical Engg



Dr. K. M. Parammasivam,
Professor, MIT, Chennai



Mr. Jaikumar Loganathan,
GE Global Research



Mr. V M Ramesh
KCT Alumni



Dr. Vinohar Stephen Rapheal
Department of Academics



Dr. K. Sundararaj,
Chairman / Board of Studies,
Dept. of Aeronautical Engg



DEPARTMENT OF AERONAUTICAL ENGINEERING

19th Board of Studies (BOS)

MINUTES OF BOARD OF STUDIES MEETING

Department: Aeronautical Engineering

Program: B.E

Venue: MS Teams Online Meeting

Date: 18.12.2021

Time: 11.00 AM

Agenda

- Presenting Minutes of DAB Meeting Dt: 04.12.2021
- Presenting Action Taken Report on Previous BoS Meeting
- Introduction of New One Credit Courses / Programme Electives / Open Electives/ Value Added Courses
- Addition of New Lab Experiments in R2018 Courses
- Minor specialization and Language Electives
- Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
- Targets for CO / PO for Academic Year 2021-22
- Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22
- Members Recommendations for Implementing NEP 2020
- Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)
- Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery
- Best Practices followed in (External) Member's Institutions
- Any other matters (with the permission of Chairman, BoS)
- Vote of Thanks

Board of Studies Members		
Sl. No	Name	Role
1.	Dr K Sundararaj , Professor and Head, Department of Aeronautical Engineering, KCT	BOS Chairman
2.	Dr Kalil Rahiman M , Associate Professor and HOD, Aeronautical Engineering, Bannari Amman Institute of Technology, Sathyamangalam	University Nominee

3.	Mrs. M. Backialakshmi , Scientist G, Group Director, Centre for Airborne Systems, Ministry of Defence (R&D), DRDO, Belur, Bengaluru.	Subject Expert
4.	Dr. R. Kannan , Asst. Professor (SG), Aerospace Engineering, Amrita University, Coimbatore	Subject Expert
5.	Mr. P. Mueen Ahamadulla Khan , Vice Chairman, AeSI, Bengaluru	Expert from Corporate related to Placement
6.	Mr. Vishal S Shirbhate , Principal Scientist, Computational and Theoretical Fluid Dynamics division, National Aerospace Laboratories (NAL), Bangalore	Industry Representative
7.	Mr. Sandeep Tom , Quality Engineer, Curtiss-Wright Corporation, Hatfield, Pennsylvania, USA	Alumni Member
8.	Dr. Sundaresan S , Associate Professor, Department of Textile Technology, KCT	Autonomous Coordinator
9.	Dr. Vinohar Stephen Rapheal , Associate Professor, Department of Bio Technology, KCT	Department of Academics
10.	Dr. J. Vijayaprakash , Associate Professor, MCA, KCT	Dy Controller of Examinations
11.	Dr Selvanayaki S , Asst Professor (SrG), Science & Humanities, KCT	Special Invitee
12.	Mr M Senthilkumar , Asst. Professor (SrG) , Department of Aeronautical Engineering, KCT	BOS Convener
13.	Dr. Premkumar PS , Associate Professor, Department of Aeronautical Engineering, KCT	Department DAB & Budget Coordinator
14.	Mr S Senthilkumar , Asst. Professor –I , Department of Aeronautical Engineering, KCT	NBA Coordinator & Module Coordinator – Avionics/Systems
15.	Mr Naveenkumar K , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Module Coordinator – Aircraft Structures
16.	Mr R Arul Prakash , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Timetable coordinator, Module Coordinator – Aircraft Propulsion
17.	Mr R Arunkumar , Asst. Professor –II, Department of Aeronautical Engineering, KCT	Exam Coordinator
18.	Mr J Darshankumar , Asst. Professor –II, Department of Aeronautical Engineering, KCT	Aero Modelling/ Placement Coordinator
19.	Mr G Rajkumar , Asst. Professor –I, Department of Aeronautical Engineering, KCT	NBA Co Coordinator
20.	Mr R Vijayanandh , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Module Committee - Avionics
21.	Mr S Muthukumar , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Module Coordinator - Aerodynamics
22.	Mr Bennyrajan N , Department of Aeronautical Engineering, KCT	Instructor
23.	Mr Arokiaraj B , Department of Aeronautical Engineering, KCT	Instructor

24.	Mr Kesavan K , Final Year, Aero, KCT	Student Member
25.	Ms Rohini Janaki B , Final Year, Aero, KCT	Student Member
26.	Ms Kirthika S , Third Year, Aero, KCT	Student Member
27.	Mr Rahul N , Third Year, Aero, KCT	Student Member
28.	Mr Saravana Mohan K , Senior Technician, Sai Regency Power Corporation Pvt Ltd, Coimbatore	Parent Member
29.	Mr Gnana Selvam , Manager, Ramesh Pumps, Coimbatore	Parent Member

- Welcome note and introduction of members given by Chairman Dr K Sundararaj, Professor & Head, Department of Aeronautical Engineering, KCT.
- Minutes of the Department Advisory Board (DAB) Meeting presented by Mr. J Darshan Kumar, Asst. Professor –II, Department of Aeronautical Engineering, KCT.
- Mr M Senthil Kumar, BoS Convener presented Action Taken Report on Previous BoS Meeting dated 19.06.2021.

Stakeholders’ feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods

(i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods recommended and proposed by Dr K Sundararaj to the BoS members are as follows

Vision, Mission, PEOs and PSOs

VISION	
INSTITUTE	DEPARTMENT
The vision of the college is to become a technical university of International Standards through continuous improvement	To attain excellence and global reputation in Aeronautical Engineering Education and Research.

MISSION	
INSTITUTE	DEPARTMENT
Kumaraguru College of Technology (KCT) is committed to provide quality Education and Training in Engineering and Technology to prepare students for life and work equipping them to contribute to the technological, economic and social development of India. The College pursues excellence in providing training to develop a sense of professional responsibility, social and cultural awareness and set students on the path to leadership.	<ul style="list-style-type: none"> • The department is committed to provide quality education in Aeronautical Engineering to students to build their career and do quality research and thus contribute to the field of Aviation and Aerospace. • The department aims to prepare students for their higher studies and research to contribute to the advanced technological needs of Aeronautical engineering. • Encourage faculty to update their knowledge and teaching-learning process through continuous learning. • Undertake inter-disciplinary research to contribute and support the industry.

Programme Educational Objectives (PEOs)	
To Prepare Graduates to:	
PEO1	Take up careers in Aeronautical domain-related Aerodynamics , Aircraft Structures, Aircraft Propulsion, UAV and Avionics, and other careers that requires aeronautical field expertise
PEO2	Pursue higher education leading to academic and research careers in the field of Aeronautical Engineering.
PEO3	Become innovators by the way of grooming their professionalism in Aeronautical Engineering and explore opportunities that come across through their employers and professional bodies.

Programme Specific Outcomes (PSOs)	
Graduates of the Aeronautical Engineering Undergraduate Program will have the ability to:	
PSO1	Apply concepts and principles of Aerodynamics, Aircraft Structures, Aircraft Propulsion, Aerospace Materials, UAV and Avionics to provide solutions to critical industrial problems.
PSO2	Develop appropriate computational methods and tools for the purpose of design and creation of aerospace systems leading to interpretation of outcomes.

Targets for CO / PO for Academic Year 2021-22

Targets for CO / PO for Academic Year 2021-22 presented by Mr. S. Senthil Kumar, NBA Coordinator.

Aerodynamics and Flight Dynamics Module

Course Code	Course Title	Target fixed	Attained (%)						Target fixed for the Year 2021-2022
			CO1	CO2	CO3	CO4	CO5	CO6	
U18AEI3201	Fluid Mechanics	65%	94.3	92.4	95.0	93.0	92.0	-	70%
U18AEI4201	Low Speed Aerodynamics	65%	92.7	93.4	92.0	91.0	94.5	89.0	70%
U18AET5003	Computational Fluid Dynamics	65%	91.0	59.2	66.6	85.0	66.6	98.0	70%
U18AET6001	Flight Dynamics	70%	92.5	91.3	92.3	90.5	92.2	-	75%
U17AEI7201	Aircraft Design	65%	94.3	95.3	92.0	95.4	96.0	95.0	70%

Propulsion Module

Course Code	Course Title	Target fixed	Attained (%)					Target fixed for the Year 2021-2022
			CO1	CO2	CO3	CO4	CO5	
U18AEI3202	Engineering Thermodynamics	65%	95.54	94.06	94.06	92.56	99.9	70%
U18AEI5205	Aircraft Propulsion	70%	96.76	95.46	90.15	88.34	93.16	75%
U18AET6004	Rocket Propulsion	65%	87.45	92.43	94.97	94.9	96.82	70%

Aircraft Structures Module

Course Code	Course Title	Target fixed	Attained (%)						Target fixed for the Year 2020-2021
			C01	C02	C03	C04	C05	C06	
U18AEI3203	Mechanics of Solids	55%	68.77	61.09	77.57	73.97	82.37	77.78	60%
U18AET4003	Aircraft Structures I	65%	73.65	73.65	82.35	84.69	84.09	-	70%
U18AEI5202	Aircraft Structures II	70%	78.78	78.78	78.78	78.78	78.24	-	75%
U18AET6002	Finite Element Method	75%	83.55	83.34	88.08	87.91	82.35	-	80%
U18AET6003	Vibrations and Aeroelasticity	70%	87.67	81.65	88.85	85.12	87.82	-	75%

Avionics and Systems Module

Course Code	Course Title	Target fixed	Attained (%)					Target fixed for the Year 2020-2021
			C01	C02	C03	C04	C05	
U18AEI4202	Automatic Control Systems	60%	62.36	61.48	63.0	65.6	-	65%
U18AET4004	UAV System Design	80%	94.36	96.04	96.11	94.11	93.16	85%
U18AET5004	Aircraft Systems and Instruments	65%	88.3	86.73	86.45	84.18	84.18	70%
U17AEI7203	Avionics	60%	66.2	62.04	63.37	65.47	65.47	65%

OVERALL PO and PSO ATTAINMENT (in %)

Year	Target fixed	Attained (%)													
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
2019-20	65%	68.13	66.68	72.07	72.2	72.99	74.17	83.33	72.34	71.38	63.63	71.2	71.21	71.99	70.72
2020-21	70%	78.76	76.54	78.24	78.5	82.0	84.2	79.6	74.8	78.36	68.4	80.45	76.0	78.28	76.68
2021-22	75%														

Action Plan for Continuous Improvement

- Bridge courses will be planned for slow learners.
- More tutorial hours to be added for analytical type courses to gain more practice in solving problems.
- Extra classes will be planned for discussing the prerequisite knowledge.
- Project based assessment to be introduced for the courses with low attainment.
- Introduction of different assessment methods such as completion of NPTEL/MOOC courses by students.
- Encouraging students to take part in industry projects.

Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22

Panel of Examiners for Question Paper Setting / Laboratory Examinations for Academic Year 2021-22 presented by Mr. R. Arun Kumar, Exam Coordinator, Department of Aeronautical Engineering, KCT to BoS members for approval.

Recommendations for Implementing NEP 2020

S. No.	Second Year (Diploma Level Program)	Third Year (BSc Level Program)	Fourth Year (Degree Level)
1	Operation of Drone	UAV Design & Development	Design and Simulation (CFD & FEA)
2	Fabrication of Composites	Non Destructive Testing	Autonomous Drones
3	CAD-Drafting (AutoCAD & Solid works)	Additive Manufacturing	Smart Materials and Structures
4		3D Printing	Systems and Controls
5		Modelling (CATIA)	Quality Assurance
6			Logistical Management
7			Applications of Sensors
8			Multi-disciplinary Optimization

Comments by Members:

Mrs. M. Backialakshmi, Scientist G, Centre for Airborne Systems

- Special Course on Data Capturing, analysis and Interpretation should be offered
- Topics like Multi-Function Display, Primary Flight Display, Flight Data Recorder, and Cockpit Voice Recorder can be included in Avionics course so that the students will understand the parameters shown in the displays for flight data analysis. If possible, provision can be made for the students to visualize those displays practically.
- Appreciated the modelling courses CATIA, CFD and FEA for inclusion the curriculum and NEP.
- Management Course “Project Management & Leadership” should be offered in the seventh semester for Aeronautical Engineering Students.
- Internship can be arranged for Aeronautical Engineering Students in CABS and other DRDO labs to give practical knowledge.

Dr. R. Kannan, Asst. Professor (SG), Amrita University, Coimbatore

- Contents to be increased for NEP Diploma/BSc degree level program
- 3D Printing should be offered for Aeronautical Engineering Students under Minor specialization

- Suggested to conduct comprehension examination at the end of every year, to train the students for GATE & other competitive examinations and due credit should be given.
- Airworthiness may be considered for NEP BSc degree level program

Mr. Vishal S Shirbhate, Principal Scientist, NAL, Bangalore

- Students should be encouraged to visit Government schools/ Remote areas to identify their needs/problems such as electricity, online platforms etc. to promote Humanities and Social Sciences practically.
- Based on Minor specialization and Language Electives, Technical aspects of Aeronautical Engineering in Hindi language can be taught by NAL personnel.
- Bridge the gap between academia and industry for better placement activities.

Mr. P.Mueen Ahamadulla Khan, Vice Chairman, AeSI

- 3D Printing should be offered for Aeronautical Engineering Students under Minor specialization
- IoT lab and 3D Printing should be offered to meet the industry expectation.
- Students should be allowed to do things such as laboratory experiments, research, extra/ co-curricular activities beyond working hours.
- Encourage students to involve 50% Curriculum and 50% skill development activities.
- For training & placement, Industry Interaction Program should be arranged to identify the placement requirement such as Design, Structures, CFD, Technical Publication, Codes etc.

Mr J. Darshan Kumar, Asst. Professor –II, Aeronautical Engineering, KCT

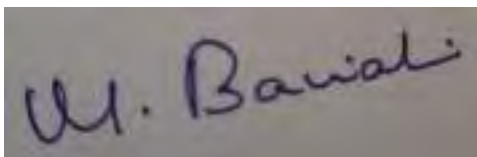
- Lab component should be added to the course “UAV System Design” under Regulations 2022

Dr. Vinohar Stephen Rapheal, Department of Academics

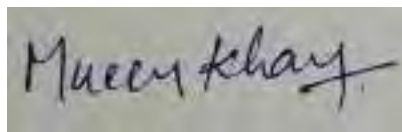
- Introduce courses related to Aircraft Design, UAV and Drones. The following website links are suggested to understand the need of industry and updating the curriculum under Regulations 2022.
- Design-Build-Fly courses:
<https://peer.asee.org/design-and-implementation-of-an-aeronautical-design-build-fly-course.pdf>
<https://www.amsterdamuas.com/binaries/content/assets/subsites/aviation/international-students/design-build--fly-folder.pdf?1520068529163>
- Competition format:
<https://www.aiaa.org/get-involved/students-educators/design-build-fly-competition>
<https://mae.osu.edu/news/2021/08/ohio-state-designbuildfly-team-places-their-highest-ever-position-aiaas-annual>
<https://mypages.iit.edu/~aiaa/dbf>

The following initiatives are approved by the Committee

- Value Added Courses Conducted
 1. Maintenance, Practical challenges & Technical Documentations of Modern Aero-engines
 2. Advancements in NDT with Applications in Modern Manufacturing Industries
 3. Aerospace Technical Publication
 4. Computational studies of industry & research applications
 5. CFD Modelling in Industry 4.0
- Minor Specialization and Language Electives
- Targets for CO / PO for Academic Year 2021-22
- Panel of Examiners for QP Setting / Lab Exams for AY 2021-22



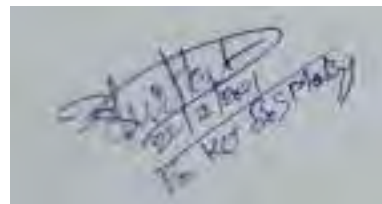
Mrs. M. Backialakshmi,
Scientist G, Centre for Airborne Systems



Mr. P. Mueen Ahamadulla Khan,
Vice Chairman, AeSI



Dr. R. Kannan,
Asst. Professor (SG), Amrita University



Mr. Vishal S Shirbhate
Principal Scientist, NAL



Mr. Sandeep Tom
Alumni Member



Dr Selvanayagi S
Asst Professor (SrG)/S&H



Dr. Vinohar Stephen Rapheal
Department of Academics



Mr. M. Senthilkumar,
BOS Convenor
Dept. of Aeronautical Engg



Dr. K. Sundararaj,
Chairman / Board of Studies,
Dept. of Aeronautical Engg



KUMARAGURU
college of technology
character is life

DEPARTMENT OF AERONAUTICAL ENGINEERING

18th Board of Studies (BOS) Meeting

MINUTES OF BOARD OF STUDIES MEETING

Program: M.Tech in Defence Technology

Venue: MS Teams Online Meeting

Date: 12.07.2021

Time: 06.30 PM

Agenda

- Presentation of HoD
 - Welcome Address
 - Profile and Progress of the Department
 - Brief Introduction of the Proposed PG Programme
- Presentation of BoS Convener
 - Curriculum and Syllabus for M.Tech in Defence Technology
- Address by External Experts focusing of the following aspects
 - Introduction of the New PG Programme on M.Tech in Defence Technology under Regulations 2018
 - Possible opportunities for students/Suggestions for effective implementations of the program
 - Any other matters (with the permission of Chairman, BoS)
- Concluding Remarks and Vote of Thanks

BoS Panel of Members		
Sl. No	Name	Role
1.	Dr K Sundararaj , Professor and Head, Department of Aeronautical Engineering, KCT	BOS Chairman
2.	Dr Kalil Rahiman M. , Associate Professor and HOD, Aeronautical Engineering, Bannari Amman Institute of Technology, Sathyamangalam	Anna University Nominee
3.	Dr. S. Rajagopal , Project Director for Rustom 1 & Joint Project Director for TAPAS Programme, Aeronautical Development Establishment (ADE), Defence Research and Development Organisation, Bengaluru.	Subject Expert
4.	Dr. M. Backialakshmi , Scientist G, Group Director, Centre for Airborne Systems, Ministry of Defence (R&D), DRDO, Belur, Bengaluru.	Subject Expert
5.	P.Mueen Ahamadulla Khan , Vice Chairman, AeSI, Bengaluru	Expert from Corporate related to Placement

6.	Mr. Vishal S Shirbhate , Principal Scientist, Computational and Theoretical Fluid Dynamics division, National Aerospace Laboratories (NAL), Bangalore	Industry Representative
7.	Mr. Sandeep Tom , Quality Engineer, Curtiss-Wright Corporation, Hatfield, Pennsylvania, USA	Alumni Member
8.	Dr D Saravanan , Principal, KCT	Principal
9.	Prof C. Vasantharaj , Director, KC IRI & Professor, Department of Automobile Engineering, KCT	Special Invitee
10.	Dr. Sundaresan S , Associate Professor, Department of Textile Technology, KCT	Autonomous Coordinator
11.	Dr.Vinohar Stephen Raphael , Associate Professor, Department of Bio Technology, KCT	Department of Academics
12.	Dr. J. Vijayaprakash , Associate Professor, MCA, KCT	Dy Controller of Examinations
13.	Dr Selvanayagi S , Asst Professor (SrG), Science & Humanities, KCT	Special Invitee
14.	Mr M Senthilkumar , Asst. Professor (SrG) , Department of Aeronautical Engineering, KCT	BOS Convener
15.	Dr.Premkumar PS , Associate Professor, Department of Aeronautical Engineering, KCT	Department DAB & Budget Coordinator
16.	Mr S Senthilkumar , Asst. Professor –I, Department of Aeronautical Engineering, KCT	NBA Coordinator & Module Coordinator – Avionics/Systems
17.	Mr Naveenkumar K , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Module Coordinator – Aircraft Structures
18.	Mr R Arul Prakash , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Timetable coordinator, Module Coordinator – Aircraft Propulsion
19.	Mr R Arunkumar , Asst. Professor –II, Department of Aeronautical Engineering, KCT	Exam Coordinator
20.	Mr J Darshankumar , Asst. Professor –II, Department of Aeronautical Engineering, KCT	Aero Modelling/ Placement Coordinator
21.	Mr G Rajkumar , Asst. Professor –I, Department of Aeronautical Engineering, KCT	NBA Co Coordinator
22.	Mr R Vijayanandh , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Module Committee – Avionics
23.	Mr S Muthukumar , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Module Coordinator – Aerodynamics
24.	Mr Bennyrajan N , Department of Aeronautical Engineering, KCT	Instructor
25.	Mr Arokiaaraj B , Department of Aeronautical Engineering, KCT	Instructor
26.	Venkat Prasad S , Final Year Student LC , Aero, KCT	Student Member
27.	Rajamanickam M , Final Year Student, Aero, KCT	Student Member

28.	Kesavan K , Third Year Student, Aero, KCT	Student Member
29.	Saravana Mohan K , Senior Technician, Sai Regency Power Corporation Pvt Ltd, Coimbatore	Parent Member
30.	Gnana Selvam , Manager, Ramesh Pumps, Coimbatore	Parent Member

- Welcome note, introduction of members and brief introduction of the proposed PG Programme given by Dr K Sundararaj, BoS Chairman, Professor & Head, Department of Aeronautical Engineering, KCT.
- Mr M Senthil Kumar, BoS Convener presented Curriculum and Syllabus for M.Tech in Defence Technology

Introduction

- DRDO has collaborated with AICTE for conducting the Regular M.Tech Course in Defence Technologies having 6 specialized streams. M.Tech. in defence technology courses has been designed to produce Post Graduates who will have the necessary theoretical & experimental knowledge, skill and aptitude in various defence technologies areas and pursue them to carry out R&D in defence.
- The students will be provided valuable exposure & knowledge for various state of the art defence systems and contemporary technologies through class lectures & main thesis work. During the program, the students would be given valuable exposure by carrying out their main thesis work in DRDO labs, Defence PSUs & Private Defence Industries.

Program Objectives

1. To develop Post Graduates who have the necessary theoretical & experimental knowledge, skill and aptitude in defence technologies and systems and can get recruited in the various defence laboratories, defence public sector & private industries, ordnance factories and other similar sectors of the economy at national and international level.
2. To contrive skilled manpower in the field of defence technologies.
3. To enhance students' interaction with the senior, experienced manpower engaged in defence labs and defence industries and have real time knowledge / experience in the technology development, technology deployment and defence systems.
4. To acquaint students for the needs of technologies related to defence & security of nation and to create zeal among students to pursue research and development for defence technologies.

Program Outcomes

S. No.	Program Outcome	Learning Outcome
PO-01	Acquire technical competence, comprehensive knowledge and understanding the methodologies and technologies associated with land, air & naval defence systems. Apply knowledge to identify, formulate and analyse complex engineering problems.	Scholarship of Knowledge
PO-02	Having an ability to apply knowledge of science, mathematics, engineering & technology for development of defence technologies.	Critical Thinking
PO-03	Having an ability to design a component, subsystem or a system applying all the relevant standards and with realistic constraints, including operational and environmental.	Research Skill
PO-04	Acquire the skills for uses of contemporary techniques, resources and modern engineering and IT tools	Usages of Modern Techniques
PO-05	An ability to identify, investigate, understand and analyse complex problems, apply creativity, carry out research /investigation and development work to solve practical problems related to defence technological issues.	Design, Development & Solutions
PO-06	Ability to communicate effectively in both oral and written contexts in the form of technical papers, project reports, design documents and seminar presentations.	Communication
PO-07	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	Individual & Team Work

Program Structure

It is a 4 semester program with total 80 credits. It is having 6 specializations, as regard to the specializations, semester -1 will have common curriculum and semester 2 curriculum will be varied as per the specialization. Semester 3 & 4 includes dissertation and industrial training

Semester – 1

	Course Code	Course of study and scheme of examination	M.Tech Semester-1			Branch Defence Technology
S. No.		Compulsory Courses	Periods/Week			Total Credits
			L	T	P	
1.	DT-01-01	Systems and warfare Platforms	4	-	-	4
2.	DT-01-02	Warfare Simulations & Strategies	4	-	-	4
3.	DT-01-03	Advanced Engineering Mathematics	4	-	-	4
4.	DT-01-L01	Systems and Platforms Lab	-	-	2	2
5.	DT-01-L02	Warfare Simulations & Strategies Lab	-	-	2	2
		Elective Courses				

6.		Elective 1	3	-	-	3
7.		Elective 2	3	-	-	3
8.		Seminar	-	-	1	1
		Total credits				23

Semester -1 Elective Courses

Students are expected to select the Elective-I course of their choice, provided that at least a group of 7 students should opt for the similar elective course.

Course Code		Course of study and scheme of examination	M.Tech Semester-1			
S. No.		Elective 1	Periods/Week			
			L	T	P	Total Credits
1.	DT-EL1-01	Rockets & Missiles Fundamentals	3	-	-	3
2.	DT-EL1-02	Advanced Thermal Engineering	3	-	-	3
3.	DT-EL1-03	Numerical methods for science & engineering	3	-	-	3
4.	DT-EL1-04	Communication Technology	3	-	-	3
5.	DT-EL1-05	Advanced Mechanical Engineering	3	-	-	3

Course Code		Course of study and scheme of examination	M.Tech Semester-1			
S. No.		Elective 2	Periods/Week			
			L	T	P	Total Credits
1.	DT-EL2-01	Autonomy and Navigation Technology	3	-	-	3
2.	DT-EL2-02	Optimization theory & applications	3	-	-	3
3.	DT-EL2-03	Military Electronics System Engineering	3	-	-	3
4.	DT-EL2-04	System Engineering & Analysis	3	-	-	3

- Semester-1 courses will be same for all specializations.
- Semester -2 courses will be as per the selected specialization.

Semester - 2: Main Stream Defence Technology with following six specialization

S. No.	Main Stream Defence Technology
1.	Combat Vehicle Engineering
2.	Aerospace Technology
3.	Naval Technology
4.	Communication Systems & Sensors

5.	Directed Energy Technology
6.	High Energy Materials Technology

1. Combat Vehicle Engineering

	Course Code	Course of study and scheme of examination	M.Tech Semester-2			Branch Defence Technology
S. No.		Compulsory Courses	Periods/Week			Total Credits
		Combat Vehicle Engineering	L	T	P	
1.	DT-CVE-01	Combat Vehicle Dynamics	4	-	-	4
2.	DT-CVE-02	Combat System Engineering	4	-	-	4
3.	DT-CVE-03	Test & Evaluation of Weapon System	4	-	-	4
4.	DT-CVE-L01	Combat Vehicle Dynamics Lab	-	-	2	2
5.	DT-CVE-L02	Combat System Engineering Lab	-	-	2	2
		Elective Courses				
6.		Elective 1	3	-	-	3
7.		Elective 2	3	-	-	3
8.		Seminar	-	-	1	1
		Total credits				23

2. Aerospace Technology

	Course Code	Course of study and scheme of examination	M.Tech Semester-2			Branch Defence Technology
S. No.		Compulsory Courses	Periods/Week			Total Credits
		Aerospace Technology	L	T	P	
1.	DT-AT-01	Aerospace System Configuration, Design & Simulation	4	-	-	4
2.	DT-AT-02	Guidance & control	4	-	-	4
3.	DT-AT-03	Aerospace Propulsion	4	-	-	4
4.	DT-AT-L01	Aerospace System Configuration, Design & Simulation Lab	-	-	2	2
5.	DT-AT-L02	Guidance & control Lab	-	-	2	2
		Elective Courses				
6.		Elective 1	3	-	-	3
7.		Elective 2	3	-	-	3

8.		Seminar	-	-	1	1
		Total credits				23

3. Naval Technology

	Course Code	Course of study and scheme of examination	M.Tech Semester-2			Branch Defence Technology
S. No.		Compulsory Courses	Periods/Week			Total Credits
		Naval Technology	L	T	P	
1.	DT-NT-01	Naval combat system engineering	4	-	-	4
2.	DT-NT-02	Guidance, Navigation, and Control of Marine Systems	4	-	-	4
3.	DT-NT-03	Marine Propulsion	4	-	-	4
4.	DT-NT-L01	Naval combat system engineering Lab	-	-	2	2
5.	DT-NT-L02	Guidance, Navigation, and Control of Marine Systems Lab	-	-	2	2
		Elective Courses				
6.		Elective 1	3	-	-	3
7.		Elective 2	3	-	-	3
8.		Seminar	-	-	1	1
		Total credits				23

4. Communication Systems & Sensors

	Course Code	Course of study and scheme of examination	M.Tech Semester-2			Branch Defence Technology
S. No.		Compulsory Courses	Periods/Week			Total Credits
		Communication Systems & Sensors	L	T	P	
1.	DT-CSS-01	Radar Technologies	4	-	-	4
2.	DT-CSS-02	Digital & satellite Communication and Navigation from Space	4	-	-	4
3.	DT-CSS-03	Tactical battlefield Communication & Electronic Warfare	4	-	-	4
4.	DT-CSS-L01	Radar Technologies Lab	-	-	2	2
5.	DT-CSS-L02	Digital & satellite Communication and Navigation from Space Lab	-	-	2	2

		Elective Courses				
6.		Elective 1	3	-	-	3
7.		Elective 2	3	-	-	3
8.		Seminar	-	-	1	1
		Total credits				23

5. Directed Energy Technology

	Course Code	Course of study and scheme of examination	M.Tech Semester-2			Branch Defence Technology
S. No.		Compulsory Courses	Periods/Week			Total Credits
		Directed Energy Technology	L	T	P	
1.	DT-DET-01	Directed Energy Sources (Lasers, Microwave)	4	-	-	4
2.	DT-DET-02	Beam Control Technology, Target acquisition, Beam Pointing & Tracking	4	-	-	4
3.	DT-DET-03	Directed Energy Weapons (DEW) System Engineering	4	-	-	4
4.	DT-DET-L01	Directed Energy Sources (Lasers, Microwave) Lab	-	-	2	2
5.	DT-DET-L02	Beam Control Technology, Target acquisition, Beam Pointing & Tracking Lab	-	-	2	2
		Elective Courses				
6.		Elective 1	3	-	0	3
7.		Elective 2	3	-	0	3
8.		Seminar	-	-	1	1
		Total credits				23

6. High Energy Materials Technology

	Course Code	Course of study and scheme of examination	M.Tech Semester-2			Branch Defence Technology
S. No.		Compulsory Courses	Periods/Week			Total Credits
		High Energy Materials Technology	L	T	P	
1.	DT-HEM-01	High Energy Materials Modeling & Simulation	4	-	-	4
2.	DT-HEM-02	Munitions and Target Response	4	-	-	4

3.	DT-HEM-03	Manufacturing and Materials Properties of Explosives	4	-	-	4
4.	DT-HEM-L01	High Energy Materials Modeling & Simulation Lab	-	-	2	2
5.	DT-HEM-L02	Munitions and Target Response Lab	-	-	2	2
		Elective Courses		-		
6.		Elective 1	3	-	-	3
7.		Elective 2	3	-	-	3
8.		Seminar	-	-	1	1
		Total credits				23

Elective Courses offered for Semester 2

Students are expected to select the Elective-I course of their choice, provided that at least a group of 7 students should opt for the similar elective course.

S. No.	Course Code	Course of study and scheme of examination	M.Tech Semester-2			
			Periods/Week			
			L	T	P	Credits
1	DT-EL3-01	Robotics (MSS, MCC)	3	-	-	3
2	DT-EL3-02	EMI/EMC in Military Systems	3	-	-	3
3.	DT-EL3-03	Defence Electro-Optics and Imaging Systems	3	-	-	3
4.	DT-EL3-04	Structural Dynamics and Aero-elasticity	3	-	-	3
5.	DT-EL3-05	Safety, Health & Hazard Management	3	-	-	3
6.	DT-EL3-06	Fundamental of telemetry, telecommand& transponder	3	-	-	3
7.	DT-EL3-07	Jamming and ECM/ECCM technologies	3	-	-	3
8.	DT-EL3-08	Software defined Radios	3	-	-	3
9.	DT-EL3-09	Advanced Lightweight and Composite Structures	3	-	-	3
10.	DT-EL3-10	Test methodologies for DEW systems (Lasers & Microwave)	3	-	-	3
11.	DT-EL3-11	Advanced Analytical Techniques / Lab testing	3	-	-	3
12.	DT-EL3-12	Sonar System Engineering	3	-	-	3

	Course Code	Course of study and scheme of examination	M.Tech Semester 2			
S. No.		Elective 2 (for all Specializations)	Periods/Week			
			L	T	P	Credits
1.	DT-EL4-01	Unmanned Aerial Vehicle Design	3	-	-	3
2.	DT-EL4-02	Naval Ocean Analysis and Prediction	3	-	-	3
3.	DT-EL4-03	Modeling & simulation of Laser Matter Interaction	3	-	-	3
4.	DT-EL4-04	Computational Aerodynamics	3	-	-	3
5.	DT-EL4-05	Launch Vehicle Design & Analysis	3	-	-	3
6.	DT-EL4-06	Acquisition, Tracking & Pointing Technology	3	-	-	3
7.	DT-EL4-07	Data acquisition, tracking & post flight analysis	3	-	-	3
8.	DT-EL4-08	Air independent propulsion & batteries	3	-	-	3
9.	DT-EL4-09	Advanced digital modulation technologies & standards	3	-	-	3
10.	DT-EL4-10	Trajectories modelling & simulation	3	-	-	3
11.	DT-EL4-11	Sensor Technology	3	-	-	3

Semester - 3

S. No.	Course	Credit
1.	Project Dissertation- Phase 1	10
2.	Seminar/ Industrial training	4
	Total credits	14

Semester - 4

S. No.	Course	Credit
1.	Project Dissertation Phase-2	20
	Total credits	20

Comments by Members:

Dr Khalil Rahiman M, Anna University Nominee

- Happy to note that AICTE came forward, executed, and implemented the Program M.Tech in Defence Technology, nice initiative by KCT and hope that it's a positive note that Department of Aeronautical Engineering has taken it forward.
- Whether the support for Laboratory Facilities, Projects to be taken up for this program are assured by DRDO Centers? Which needs to be verified and ensure smooth implementation of the program.
- In response, the BoS Chairman explained the possibilities of using DRDO Centers and Allied Industries with reference to the Document on "Syllabi for M.Tech in Defence Technology & Guidelines 2021 – 22" released jointly by AICTE and DRDO.

Dr. S. Rajagopal, Project Director, ADE

- Introduction to Aerospace Vehicles course should be offered as a new elective for Aerospace Technology Specialisation
- Aerospace Technology specialisation students need to familiarise courses like Aerodynamics, Structures, Propulsion and Guidance & Control
- Electives Courses- Computational Fluid Dynamics and Finite Element Analysis should be offered for Aerospace Technology specialisation

Dr. M. Backialakshmi, Scientist G, Centre for Airborne Systems

- Relevant DRDO labs should be identified for laboratory experiments
- Elective Course-Communication Technology title should be changed as Communication Systems or Advanced Communication Systems
- Electives should be listed related to specialisation such as Aerospace Technology and Communication Systems & Sensors
- Elective Course EMI/EMC in Military Systems has less content, it should be improved
- Elective Courses DT-EL4-06 Acquisition, Tracking & Pointing Technology and DT-EL4-07 Data acquisition, tracking & post flight analysis are same, needs to be modified
- Elective Courses DT-EL4-03 Modeling & simulation of Laser Matter Interaction and DT-EL4-10 Trajectories modelling& simulation should be combined as a single course
- New elective - Secure Communication or Data security may be proposed
- New/latest Radar technologies to be added in the course DT-CSS-01 Radar Technologies in Communication Systems & Sensors specialisation
- Electronic Warfare, Sensors, Sensor technology to be added in the syllabus
- New course – Antenna technology may be proposed
- Name should be modified appropriately for the courses DT-EL3-06 Fundamental of telemetry, telecommand & transponder and DT-EL3-07 Jamming and ECM/ECCM technologies

P.Mueen Ahamadulla Khan, Vice Chairman, AeSI

- Less number of Electives need to be focused with a proper plan from semester – 1 onwards for better employment opportunities like Drones, Design, CFD, FEA, Structures, Aerodynamics, Propulsion systems, Composites etc.,
- 2 weeks/4 weeks internships opportunities should be arranged for M.Tech Defence Technology students in DRDO labs
- Discussion with the DRDO team should be carried out, requesting them to get temporary placement opportunities for the MTech Defence Technology students such as JRF, SRF, Contract Engineers or to explore any job vacancies with the registered vendors and suppliers of DRDO
- KCT should carryout few preparatory training programs like communication skills, 3D modeling/FEA/CFD training programs and other courses at campus and ensure that students should possess certain skills before going for DRDO for project works,

this will save precious time of DRDO scientists and also shall bring good reputation to the academic institution.

Mr. Sandeep Tom, Alumni Member, Quality Engineer, Curtiss-Wright Corporation

- More electives should be added such as Advance Materials Research, Smart Automation, and Blockchain Technology

Prof. Vasantharaj C, Director, KC.IRI

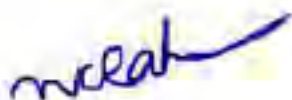
- Focus will be more on gaining practical hands-on experience on the latest technologies and systems being developed/used during the practical training at the respective DRDO Labs/Estts. for students of this program.
- The respective Labs may allow students to publish their project work carried out at the DRDO Labs.
- DRDO HQs may be asked to give priority for these students during their recruitment process for JRF/Scientists.

Dr. Vinohar Stephen Raphael, Department of Academics

- Bridge courses should be arranged for cluster of students since more diverse disciplines are eligible for M.Tech in Defence Technology
- Value added courses (such as signal processing, nuclear warfare, and submarine technology) may be conducted for areas not covered in core or electives.
- Electives Courses- Cyber defence, Space defence should be offered

Finalization of Approval

- Launching of new PG Programme on M.Tech in Defence Technology is approved by all the members unanimously.
- The Curriculum and Syllabi of M.Tech in Defence Technology and guidelines 2021-2022 released by Directorate of Futuristic Technology Management (DFTM) Government of India, Ministry of Defence, Defence Research & Development Organisation (DRDO) New Delhi In Collaboration with All India Council for Technical Education (AICTE), New Delhi are recommended by the panel members
- The suggestions/corrections pointed out by the members will be intimated to DFTM and DRDO Head Quarters organisations for taking into considerations.



Dr Kalil Rahiman M
Anna University Nominee



Dr. S. Rajagopal
Project Director, ADE



Dr. M. Backinlakshmi,
Scientist G, Centre for Airborne Systems



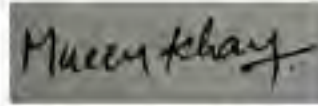
Mr. Sandeep Tom
Alumn Member



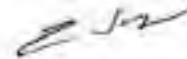
Dr. Vinohar Stephen Raphael
Department of Academics



Mr. M. Senthilkumar,
BOS Convenor
Dept. of Aeronautical Engg



P. Muneen Ahamedulla Khan,
Vice Chairman, AeSI



Prof. C. Vasantharaj
Director, KC.IRI



Dr Selvanayagi S
Asst Professor (SrG), S&H



Dr. K. Sundararaj,
Chairman / Board of Studies,
Dept. of Aeronautical Engg



DEPARTMENT OF AERONAUTICAL ENGINEERING

17th Board of Studies (BOS) Meeting

MINUTES OF BOARD OF STUDIES MEETING

Department: Aeronautical Engineering

Program: B.E

Venue: MS Teams Online Meeting

Date: 19.06.2021

Time: 11.00 AM

Agenda

- Presenting Minutes of DAB Meeting Dt:12.06.2021
- Action Taken Report on Previous BoS Meeting
- Introduction of New One Credit Courses / Programme Electives / Open Electives
- Addition of New Lab Experiments in R2018 Courses
- Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
- Targets for CO / PO for Academic Year 2021-22
- Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22
- Members Recommendations for Implementing NEP 2020
- Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)
- Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery
- Best Practices followed in (External) Member's Institutions
- Any other matters (with the permission of Chairman, BoS)
- Vote of Thanks

Members Present		
Sl. No	Name	Role
1.	Dr K Sundararaj , Professor and Head, Department of Aeronautical Engineering, KCT	BOS Chairman
2.	Dr Kalil Rahiman M , Associate Professor and HOD, Aeronautical Engineering, Bannari Amman Institute of Technology, Sathyamangalam	University Nominee
3.	Dr S. Kamle , Professor, Aerospace Engineering, Indian Institute of Technology Kanpur	Subject Expert

4.	Dr. R. Kannan , Asst. Professor (SG), Aerospace Engineering, Amrita University, Coimbatore	Subject Expert
5.	P.Mueen Ahamadulla Khan , Manager, Ground Test Center, RWR&DC, Hindustan Aeronautics Limited, Bangalore	Expert from Corporate related to Placement
6.	Mr. Vishal S Shirbhate , Principal Scientist, Computational and Theoretical Fluid Dynamics division, National Aerospace Laboratories (NAL), Bangalore	Industry Representative
7.	Mr. Sandeep Tom , Quality Engineer, Curtiss-Wright Corporation, Hatfield, Pennsylvania, USA	Alumni Member
8.	Dr. Sundaresan S , Associate Professor, Department of Textile Technology, KCT	Autonomous Coordinator
9.	Dr A. Vasuki , Controller of Examinations, KCT	Controller of Examinations
10.	Dr.Vinohar Stephen Rapheal , Associate Professor, Department of Bio Technology, KCT	Department of Academics
11.	Dr. J. Vijayaprakash , Associate Professor, MCA, KCT	Dy Controller of Examinations
12.	Dr John Alexis , Professor, Department of Automobile Engineering, KCT	Special Invitee
13.	Dr Selvanayaki S , Asst Professor (SrG), Science & Humanities, KCT	Special Invitee
14.	Mr M Senthilkumar , Asst. Professor (SrG) , Department of Aeronautical Engineering, KCT	BOS Convener
15.	Dr.Premkumar PS , Associate Professor, Department of Aeronautical Engineering, KCT	Department DAB & Budget Coordinator
16.	Mr S Senthilkumar , Asst. Professor –I , Department of Aeronautical Engineering, KCT	NBA Coordinator & Module Coordinator – Avionics/Systems
17.	Mr Naveenkumar K , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Module Coordinator – Aircraft Structures
18.	Mr R Arul Prakash , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Timetable coordinator, Module Coordinator – Aircraft Propulsion
19.	Mr R Arunkumar , Asst. Professor –II, Department of Aeronautical Engineering, KCT	Exam Coordinator
20.	Mr J Darshankumar , Asst. Professor –II, Department of Aeronautical Engineering, KCT	Aero Modelling/ Placement Coordinator
21.	Mr G Rajkumar , Asst. Professor –I, Department of Aeronautical Engineering, KCT	NBA Co Coordinator
22.	Mr R Vijayanandh , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Module Committee - Avionics
23.	Mr S Muthukumar , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Module Coordinator - Aerodynamics
24.	Mr Bennyrajan N , Department of Aeronautical Engineering, KCT	Instructor

25.	Mr Arokiaraj B, Department of Aeronautical Engineering, KCT	Instructor
26.	Venkat Prasad S, Final Year Student LC, Aero, KCT	Student Member
27.	Rajamanickam M, Final Year Student, Aero, KCT	Student Member
28.	Kesavan K, Third Year Student, Aero, KCT	Student Member
29.	Rohini Janaki B, Third Year Student, Aero, KCT	Student Member
30.	Prisha K Asher, Third Year Student, Aero, KCT	Student Member
31.	Saravana Mohan K, Senior Technician, Sai Regency Power Corporation Pvt Ltd, Coimbatore	Parent Member
32.	Gnana Selvam, Manager, Ramesh Pumps, Coimbatore	Parent Member

- Welcome note and introduction of members given by Chairman Dr K Sundararaj, Professor & Head, Department of Aeronautical Engineering, KCT.
- Minutes of the Department Advisory Board (DAB) Meeting presented by Dr PS Prem Kumar, DAB Coordinator, Department of Aeronautical Engineering, KCT.

Action Taken Report on Previous BoS Meeting

- Mr M Senthil Kumar, BoS Convener presented Action Taken Report on Previous BoS Meeting dated 21.11.2020.
- Dr S. Kamle, Professor, Aerospace Engineering, IIT Kanpur, commented that previous Minutes of the BoS meeting and ATR should have been sent in advance to the BoS members. The comment given by Dr S. Kamle is noted and that will be implemented regularly by the department, right from the forthcoming BOS Meetings.

Introduction of New One Credit Courses / Programme Electives / Open Electives

The following Five new Programme Electives are introduced for R2018

1. U18AEE0014 Helicopter Aerodynamics
2. U18AEE0015 High Energetic Fuels and Propellants
3. U18AEE0016 Aircraft Structural Analysis
4. U18AEE0017 Autonomous Navigation
5. U18AEE0018 Additive Manufacturing and Tooling

One Credit Course - U18AEC0006 Smart Materials and Structures is introduced for R2018.

Dr Kalil Rahiman M, Anna University Nominee, suggested to revise the course content of the One Credit Course considering more relevant topics of Materials and Structures.

Dr Kalil Rahiman M recommended to increase the credits for the core courses in the next revision of curriculum & syllabi (R2022)

Mr. Sandeep Tom, Alumni Member recommended inclusion of fundamentals of material science in the proposed One Credit Course Smart Materials and Structures.

Stakeholders' feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods

The changes on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods recommended and proposed by Dr K Sundararaj to the BoS members are as follows

VISION	
INSTITUTE	DEPARTMENT
The vision of the college is to become a technical university of International Standards through continuous improvement	To attain excellence and global reputation in Aeronautical Engineering Education and Research.

MISSION	
INSTITUTE	DEPARTMENT
Kumaraguru College of Technology (KCT) is committed to provide quality Education and Training in Engineering and Technology to prepare students for life and work equipping them to contribute to the technological, economic and social development of India. The College pursues excellence in providing training to develop a sense of professional responsibility, social and cultural awareness and set students on the path to leadership.	<ul style="list-style-type: none"> The department is committed to provide quality education in Aeronautical Engineering to students to build their career and do quality research and thus contribute to the field of Aviation and Aerospace. The department aims to prepare students for their higher studies and research to contribute to the advanced technological needs of Aeronautical engineering. Encourage faculty to update their knowledge and teaching-learning process through continuous learning. Undertake inter-disciplinary research to contribute and support the industry.

Programme Educational Objectives			
PEOs	Existing	Reason for Change	Proposed
	To Prepare Graduates to:		
PEO1	pursue a successful profession in leading organizations.	<p>“Profession in Leading Organization” appears to be very general.</p> <p>More specific information suggested.</p>	Take up careers in Aeronautical domain-related Aerodynamics , Aircraft Structures, Aircraft Propulsion, UAV and Avionics, and other careers that requires aeronautical field expertise
PEO2	pursue postgraduate degrees and conduct research at leading technological universities to contribute to the advancement in the field of Aviation and Aerospace industries.	PEO2 is intended focus specifically on higher studies, in a simplified language.	Pursue higher education leading to academic and research careers in the field of Aeronautical Engineering

PEO3	continue their professional development by utilizing educational and career building opportunities through their employer, educational institutions, or professional bodies.	PEO3 partly appears representing PEO2 again	Become innovators by the way of grooming their professionalism in Aeronautical Engineering and explore opportunities that come across through their employers and professional bodies.
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Programme Specific Outcomes (PSOs)			
PSOs	Existing	Reason(s) for Change	Proposed
	Graduates of the Aeronautical Engineering Undergraduate Program will have the ability to:		

PSO1	Apply fundamental principles of Aerodynamics, Structures, Propulsion, Materials, and Avionics to provide solutions to aerospace and non-aerospace industrial problems.	Statement refinement	Apply concepts and principles of Aerodynamics, Aircraft Structures, Aircraft Propulsion, and Avionics to provide solutions to critical industrial problems.
PSO2	Use the software packages in the design, manufacturing, testing and maintenance of aeronautical and aerospace based components and systems	The term “Software packages” needs to be avoided	Identify, Analyze, select, develop and apply appropriate computational methods and tools for the purpose of design and creation of aerospace systems and then interpret the results.

Dr Kalil Rahiman M commented that the PEO2 statement should also be defined more specifically as that of PEO1.

Targets for CO / PO for Academic Year 2021-22

Targets for CO / PO for Academic Year 2021-22 presented by Mr. S. Senthil Kumar, NBA Coordinator.

Aerodynamics and Flight Dynamics Module

Course Code	Course Title	Target fixed	Attained (%)						Target fixed	
			CO1	CO2	CO3	CO4	CO5	CO6	Year 2020-2021	Year 2021-2022
U18AEI3201	Fluid Mechanics	60%	48.11	63.95	85.54	71.15	79.79	79.79	65%	70%
U18AEI4201	Low Speed Aerodynamics	60%	61.07	53.88	94.18	92.73	92.73	92.73	65%	70%
U17AET5003	Computational Fluid Dynamics	65%	93.66	68.59	70.32	82.0	70.35	91.03	70%	75%
U17AET6001	Flight dynamics	65%	71.35	74.75	93.41	84.93	98.5	-	70%	75%
U15AET703	Flight vehicle design	60%	76.57	79.5	61.95	50.27	88.27	-	65%	70%
U17AEE0001	Experimental Aerodynamics	60%	91.19	81.1	75.56	64.77	67.97	-	65%	70%

Propulsion Module

Course Code	Course Title	Target fixed	Attained (%)					Target fixed	
			CO1	CO2	CO3	CO4	CO5	Year 2020-2021	Year 2021-2022
U18AEI3202	Engineering Thermodynamics	60%	57.26	52.93	61.57	68.77	86.04	65%	70%
U17AEI5205	Aircraft Propulsion	65%	89.53	53.69	94.91	98.5	98.5	70%	75%
U17AET6004	Rocket Propulsion	65%	67.45	67.43	74.97	74.9	76.82	70%	75%

Aircraft Structures Module

Course Code	Course Title	Target fixed	Attained (%)						Target fixed	
			CO1	CO2	CO3	CO4	CO5	CO6	Year 2020-2021	Year 2021-2022
U18AEI3203	Mechanics of Solids	50%	48.77	41.09	47.57	43.97	42.37	78.78	55%	60%
U18AET4003	Aircraft Structures I	60%	63.65	63.65	62.35	64.69	74.09	-	65%	70%
U17AEI5202	Aircraft Structures II	60%	88.78	88.78	88.78	88.78	88.24	-	70%	75%
U18AET6002	Finite Element Method	60%	63.55	83.34	88.08	87.91	82.35	-	75%	80%
U18AET6003	Vibrations and Aeroelasticity	60%	67.67	71.65	78.85	85.12	87.82	-	70%	75%
U15AET701	Composite Materials and Structures	60%	77.3	77.3	77.24	75.01	75.10	77.35	75%	80%
U15AEE012	Experimental Stress Analysis	60%	76.05	76.05	76.05	75.37	75.37	76.05	75%	80%
U15AEE013	Fatigue and Fracture Mechanics	60%	55.02	56.28	55.57	61.66	56.92	56.93	60%	65%
U15AEE014	Non destructive Testing	60%	78.79	78.45	75.24	79.78	82.5	82.5	75%	80%

Avionics and Systems Module

Course Code	Course Title	Target fixed	Attained (%)					Target fixed	
			CO1	CO2	CO3	CO4	CO5	Year 2020-2021	Year 2021-2022
U18AEI4202	Automatic Control Systems	55%	47.36	42.38	54.84	56.36	-	55%	60%
U18AET4004	UAV System Design	75%	90.36	86.04	96.11	96.11	83.16	80%	85%
U17AET5004	Aircraft Systems and Instruments	60%	61.3	56.73	64.45	74.18	74.18	65%	70%
U15AET702	Avionics	60%	40.2	42.04	43.37	55.47	55.47	60%	65%

OVERALL PO and PSO ATTAINMENT (in %)

Year	Target fixed	Attained (%)													
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
2018-19	60%	64.48	64.71	67.15	66.09	60.26	62.91	60.01	57.76	57.44	63.94	65.01	61.4	65.91	66.14
2019-20	65%	68.13	66.68	72.07	72.2	72.99	74.17	83.33	72.34	71.38	63.63	71.2	71.21	71.99	70.72
2020-21	70%														
2021-22	75%														

Dr. R. Kannan commented that the targets for CO attainment to be decided based on the batch of students and their history of previous attainments in addition to the nature of the course.

Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22

Panel of Examiners for Question Paper Setting / Lab Exams for Academic Year 2021-22 presented by Mr. R. Arun Kumar, Exam Coordinator, Dept. of Aeronautical Engg, KCT to BoS members for approval.

Members Recommendations for Implementing NEP 2020

Dr. R. Kannan suggested to offer industry linked courses for Aeronautical Engineering students.

Dr S. Kamle emphasized that the department should present its plan of action for implementing NEPS2020 and then ask for the opinion/suggestion from the external experts. Initial efforts essentially need to be taken by the department referring the NEP 2020 guidelines.

Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

Dr. R. Kannan suggested to conduct comprehension examination at the end of every year, to train the students for GATE & other competitive examinations and due credit should be given.

Mr.Vishal S Shirbhate, Principal Scientist, NAL suggested to pursue Internship for students in aero industries, more usage of open source tools for better understanding of flow concepts. He also suggested to use MATLAB to promote Autonomous Vehicles, Drones, UAVs & Electric Vehicles.

Mr. Sandeep Tom, Alumni Member recommended Mentor program with industry Experts for Aeronautical Engineering students

Dr John Alexis, Special Invitee, suggested to include Operation Research content in the Aviation Logistics and Supply Chain Management course.

Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery

NIL

Best Practices followed in (External) Member's Institutions

Dr. R. Kannan suggested that, Innovation Lab can be proposed to promote innovative idea of the students in addition to regular laboratory experiments.

Details of Approval Requirements

- Introduction of New Programme Electives
 1. U18AEE0014 Helicopter Aerodynamics
 2. U18AEE0015 High Energetic Fuels and Propellants
 3. U18AEE0016 Aircraft Structural Analysis
 4. U18AEE0017 Autonomous Navigation
 5. U18AEE0018 Additive Manufacturing and Tooling
- Introduction of New One Credit Course
 1. U18AEC0006 Smart Materials and Structures
- Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
- Targets for CO / PO for Academic Year 2021-22
- Panel of Examiners for QP Setting / Lab Exams for AY 2021-22



Dr Kalil Rahiman M

Anna University Nominee

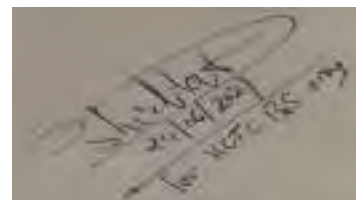
Dr S. Kamle

Professor, IIT Kanpur



Dr. R. Kannan,

Asst. Professor (SG), Amrita University



Mr. Vishal S Shirbhate

Principal Scientist, NAL



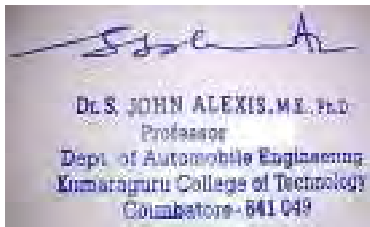
Mr. Sandeep Tom

Alumni Member



Dr. Vinohar Stephen Rapheal

Department of Academics



Dr John Alexis,
Professor, Automobile

A handwritten signature in blue ink, appearing to read "S. Selvanayagi", is written over a horizontal line.

Dr Selvanayagi S
Asst Professor (SrG). S&H

A handwritten signature in blue ink, appearing to read "M. Senthilkumar", is written in a cursive style.

Mr. M. Senthilkumar,
BOS Convenor
Dept. of Aeronautical Engg

A handwritten signature in blue ink, appearing to read "K. Sundararaj", is written in a cursive style.

Dr.K.Sundararaj,
Chairman / Board of Studies,
Dept. of Aeronautical Engg

Note: Digital Signature from **Dr S. Kamle**, Professor, IIT Kanpur is yet to be received.



DEPARTMENT OF AERONAUTICAL ENGINEERING

16th Board of Studies (BOS) Meeting

MINUTES OF BOARD OF STUDIES MEETING

Department: Aeronautical Engineering

Program: B.E

Venue: MS Teams Online Meeting

Date: 21.11.2020

Time: 10.30 AM

Welcome note and introduction of members by Chairperson Dr K Sundararaj, Professor & Head, Department of Aeronautical Engineering, KCT

Agenda:

- Presenting Minutes of DAB Meeting Dt:14.06.2020
- Presenting Curriculum and Syllabi of Regulations 2017 & 2018
- Details of ratifications
- Comments by External Experts
- Comments By Internal Experts
- Feedback/suggestions by members
- Vote of Thanks

Members Present	
Dr Kalil Rahiman M , Associate Professor and HOD, Aeronautical Engineering, Bannari Amman Institute of Technology, Sathyamangalam	Anna University Nominee
Mr. B Murugan , Scientist G, Hypersonic Division, Vikram Sarabhai Space Centre, ISRO, Thiruvananthapuram, Kerala	Academic/Research Expert
Dr. R. Kannan , Asst. Professor (SG), Aerospace Engineering, Amrita University, Coimbatore	Subject Expert
Mr.P.Mueen Ahamadulla Khan , Vice Chairman, The Aeronautical Society of India	Expert From Professional Body and Placement Guidance
Mr.Vishal S Shirbhate , Principal Scientist, Computational and Theoretical Fluid Dynamics division, National Aerospace Laboratories, Bangalore	Industry Representative
Mr. Sandeep Tom , Quality Engineer, Curtiss-Wright Corporation, Hatfield, Pennsylvania, USA	Alumni Member
Dr. J. Srinivasan	Principal, KCT
Dr. Sundareshan S , Associate Professor, Department of Textile Technology, KCT	Autonomous Coordinator
Dr.Vinohar Stephen Rapheal , Associate Professor, Department of Bio Technology, KCT	Department of Academics

Dr. J. Vijayaprakash. Associate Professor, MCA, KCT	DCE
Mr. Venkat Prasad S, Student LC, KCT	Student Member
Mr. Rajamanickam M, Student, KCT	Student Member
Mr. Kesavan K, Student, KCT	Student Member
Dr John Alexis, Professor, Department of Automobile Engineering	Special Invitee
Dr K Sundararaj, Professor and Head, Department of Aeronautical Engineering, KCT	BOS Chairman
Mr M Senthilkumar, Asst. Professor (SrG) , Department of Aeronautical Engineering, KCT	BOS Convenor & Department infrastructure coordinator
Mr S Senthilkumar, Asst. Professor –I , Department of Aeronautical Engineering, KCT	NBA Coordinator & Module Coordinator - Avionics
Mr Naveenkumar K, Asst. Professor –I, Department of Aeronautical Engineering, KCT	Module Coordinator – Aircraft Structures
Mr R Arul Prakash , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Timetable coordinator, Module Coordinator – Aircraft Propulsion
Mr R Arunkumar , Asst. Professor –II, Department of Aeronautical Engineering, KCT	Exam Coordinator
Dr.Premkumar PS, Associate Professor, Department of Aeronautical Engineering, KCT	Department Budget Coordinator
Mr G Rajkumar , Asst. Professor –I, Department of Aeronautical Engineering, KCT	NBA Co Coordinator
Mr R Vijayanandh , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Module Committee - Avionics
Mr J Darshankumar , Asst. Professor –II, Department of Aeronautical Engineering, KCT	Aero Modelling/ Placement Coordinator
Mr S Muthukumar , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Module Coordinator - Aerodynamics

Comments by Members:

Dr Kalil Rahiman M, Anna University Nominee

- Credit for the course - U18AET6002 Finite Element Method may be increased to 4 in the next revision of Curriculum & Syllabi.
- Heat and Mass Transfer should be offered as Core course instead of Professional Elective in the next revision of Curriculum & Syllabi.
- Credit for Engineering Clinics can be reduced giving more importance to domain specific courses.

Mr. B Murugan, Academic/Research Expert

- Experimental Aerodynamics should be offered as Core course instead of Professional Elective in the next revision of Curriculum & Syllabi.
- Heat and Mass Transfer should be offered as Core course instead of Professional Elective in the next revision of Curriculum & Syllabi.
- Department can acquire Supersonic Wind Tunnel facility & Flow diagnostics techniques for High Speed Aerodynamics laboratory courses as well as research activities.
- Students should be encouraged to develop CFD codes in addition to usage of commercial software.

Dr. R. Kannan, Subject Expert

- U18AER0001 Introduction to Aeronautics should be offered as Core course in the next revision of Curriculum & Syllabi
- Heat and Mass Transfer should be offered as Core course (or) One unit of Heat Transfer can be included in Engineering Thermodynamics
- Credit for the course - U18AEI5205 Aircraft Propulsion may be increased to 4 in the next revision of Curriculum & Syllabi.
- Space mechanics concepts can be introduced in U18AET6104 Rocket Propulsion

Mr. P.Mueen Ahamadulla Khan, Expert from Professional Body and Placement Guidance

- Cluster of Manufacturing Techniques course should be introduced to aeronautical students creating employment opportunities in manufacturing sectors, in the next revision of Curriculum & Syllabi.
- UAV System Design course name can be modified as Autonomous Vehicle System Design in the next revision of Curriculum & Syllabi.
- Industry 4.0, IoT & Electronics concepts should be introduced
- Industrial Visits and Internships should be arranged to the students and faculty promoting industrial linkages.

Mr. Vishal S Shirbhate, Industry Representative

- U18AER0001 Introduction to Aeronautics should be offered as Core course instead of Mandatory Non-credit course
- The course Introduction to Aeronautics should be offered during first or second semester
- Number of teaching hours for core courses should be increased
- Include the chapters related to aero stream of Heat Transfer and Thermodynamics in Propulsion course in the next revision of Curriculum & Syllabi.
- Explore XFLR5, VSP-Aero and SU2 tools for Aircraft Design, CFD and Aerodynamics courses.
- Students should be encouraged to develop CFD codes in addition to usage of commercial software.

Mr. Sandeep Tom, Alumni Member

- Manufacturing Techniques & Advanced Manufacturing courses should be offered to aeronautical students
- Number of courses in VII semester should be reduced

Dr John Alexis, Special Invitee

- Artificial Intelligence, IoT, Additive Manufacturing Techniques to be added or can be offered as one credit course
- Inter- disciplinary student projects should be encouraged

Details of ratifications

- Introducing Professional Elective-IV during Semester VII in lieu of Professional Communication & Analytical Reasoning under Regulations 2017 & 2018.
- Aircraft Maintenance Practices core course is removed in Semester VII and it is included as Professional Elective in R2018.
- Introducing Airframe and Aero Engine Maintenance Laboratory during Semester VI in R2018
- Offering Open Elective - U18AEO0009 Theory and Practice of Non Destructive Testing in R2018
- Industry Oriented One Credit Course - U17AEC0206 CFD Codes (Commercial & Open Source) with applications & validations is offered for students of R2017
- The following Industry Oriented One Credit Courses are offered for students of R2015

U15AEC0101	Wind Turbine Design and Testing
U15AEC0202	Introduction to CFD using RotCFD
U15AEC0003	Satellite Systems and Application
U15AEC0004	Liquid Rocket Engines: Fundamentals, Green Propellants and Emerging Technologies
U15AEC0205	Non-destructive Testing
U15AEC0206	Introduction to Abacus
U15AEC0207	Drone Technology
U15AEC0008	Aero engine on-wing off-wing procedures and certifications

- Introducing Mandatory Non Credit Course- U18AER0001 Introduction to Aeronautics in R2018
- Credits increased for Flight Dynamics & Aircraft Design Courses from 3 to 4.



Mr. M. Senthilkumar,
BOS Convenor
Dept. of Aeronautical Engg



Dr.K.Sundararaj,
Chairman / Board of Studies,
Dept. of Aeronautical Engg



**KUMARAGURU COLLEGE OF TECHNOLOGY
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DEPARTMENT OF AERONAUTICAL ENGINEERING

Minutes of 15th Board of Studies (BoS) Meeting

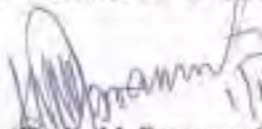
Held on December 1, 2018

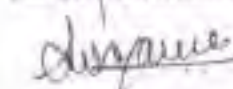
Venue: Mechanical Dept. Conference Hall

Time: 2.30 PM to 5.00 PM

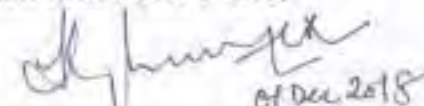
Suggestions / Recommendations by BoS Members:


1. 'Computational Fluid Dynamics' course should have 2 lecture hours and 1 tutorial hour.
2. 'Automation' course name to be modified.
3. 'Aircraft Materials and Hardware' course name can be changed as 'Aircraft Hardware and Materials'.
4. 'UAV Navigation' and 'UAV System Design' courses can be swapped or can be combined as one in R18 curriculum.
5. All theory courses in fifth semester seems to be overloaded for students. It can be revisited.
6. For mandatory course, 'Indian Constitution' course can be replaced by 'Intellectual Property Rights (IPR)' course.
7. Open elective courses can be introduced related to Structures, Propulsion, Indian Space Program, Satellite Launch Vehicles, Missiles developed by DRDO, India and ISRO.
8. In 'Satellite System and Application' course (open elective), topics has to be added related to Satellite Launch vehicles of India.
9. In ProtoSem curriculum, 'Project Work Phase II' name has to be reflected.
10. More textbook references can be included for 'Aircraft Structures-II' course.
11. Case Studies related to conventional aircraft systems and its functioning can be introduced as a separate topic in 'Aircraft Systems and Instruments'.
12. In 'Aircraft Maintenance Practices' course, under Aircraft Manual heading, MIL-STD specifications can be included.
13. Environmental issues related to composites can be added in 'Composite Materials and Structures' course.
14. 'Vibrations and Aeroelasticity' course may be considered as a core course.



(Dr. K. M. Parammasivam)


(Mr. A. Nagamani)


(Mr. M. Karthick)


(Mr. C. Thirugana Sambandam)


(Dr. A. R. Srikrishnan)


(Dr. K. Sundararaj)



DEPARTMENT OF AERONAUTICAL ENGINEERING

Date: 19.03.2018

CIRCULAR

Sub: 14th Board of Studies (BOS) of Aeronautical Engineering Department will be conducted on **24.03.2018 at 10:00 AM in the Conference Hall / Mechanical Department** to discuss the following Agenda:

Agenda:

- Curriculum for Regulation 2017 & 2018 (Semester I to VIII)
- Syllabus for Regulation 2018 (Semester I to II)
- Syllabus for Regulation 2017 (Semester III to IV)
- Inclusion of U15EE026 - Employability Enhancement Course in Regulation 2015
- Inclusion of Theory behind Airplane : From Birds to Human Flight (U15AEOE06) in Regulation 2015

The following internal members are requested to be available for the BOS meeting and lend their valuable contribution in developing curriculum and syllabus for B.E Aeronautical Engineering Programme.

1	Dr.K.Sundararaj, Chairman-BOS	
Teaching faculty from each specialization		
2	Prof. M.Senthilkumar, Convenor- BOS	
3	Dr.S.Jayalakshmi, Professor	
4	Dr.P.S.Premkumar, Associate Professor	
5	Mr.S.Senthilkumar, Assistant Professor I	
6	Mr. R.Arul Prakash, Assistant Professor I	
7	Mr. K.Naveenkumar, Assistant Professor I	—
Other members of staff of the same department		
8	Mr.R.Arunkumar, Assistant Professor II	
9	Mr. J.Darshankumar, Assistant Professor II	
10	Mr.R.Vijanandh, Assistant Professor I	
11	Mr.G.Rajkumar, Assistant Professor I	
12	Mr. S.Muthukumar, Assistant Professor I	
COE/Coordinator Autonomous		
13	Dr.J.Vijay Prakash, Associate Professor & DCOE	—

Dr.K.Sundararaj,
Chairman / Board of Studies,
Dept. of Aeronautical Engineering,
Head of the
Department of Aeronautical Engineering,
Kumaraguru College of Technology,
Coimbatore-641049.



DEPARTMENT OF AERONAUTICAL ENGINEERING

Date: 24.03.2018

14th Board of Studies (BOS) Meeting - Attendance

Date: 24.03.2018


Time: 10:00 A.M.



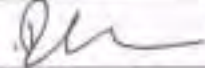
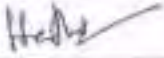
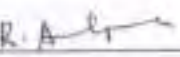
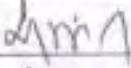
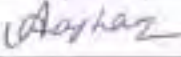

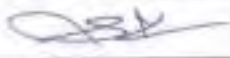



Venue: Conference Hall, Mechanical Department

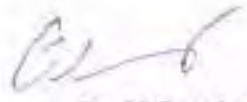
Agenda:

- Curriculum for Regulation 2017 & 2018 (Semester I to VIII)
- Syllabus for Regulation 2018 (Semester I to II)
- Syllabus for Regulation 2017 (Semester III to IV)
- Inclusion of U15AEE026 - Employability Enhancement Course in Regulation 2015 - Professional Elective
- Inclusion of U15AEOE06 - Theory behind Airplane : From Birds to Human Flight in Regulation 2015 - Open Elective

The following members are attended for the 14th BOS meeting and lend their valuable contribution in developing curriculum and syllabus for B.E Aeronautical Engineering Programme.

Sl. No	Board Members	Signature
1	Dr.K.Sundararaj, Chairman-BOS Department of Aeronautical Engineering Kumaraguru College of Technology Coimbatore-641049.	
2	Dr. K. M. Parammasivam, University Nominee Professor, Department of Aerospace Engineering, Madras Institute of Technology, Chennai-600044.	 24.3.2018
3	Dr. A. R. Srikrishnan , Academic Council Expert Associate Professor, Department of Aerospace Engineering, Amrita University, Coimbatore-641112.	
4	Prof. A. Nagamani, Academic Council Expert Associate Professor, Department of Aeronautical Engineering, SNS College of Technology, Coimbatore- 641035.	_____
5	Mr.M Vijayakumar (Industry Expert) Scientist – D ADE, DRDO, Bangalore – 75.	_____
6	Mr Srinivasan Bhaskaran (Industry Expert) Head of Operations Safran Engineering Services India Bangalore.	 24/3/2018
7	Mr.Karthi (Alumni) Altran, Bangalore.	

SL No	Board Members	Signature
8	Dr.J.Vijay Prakash, Associate Professor & COE	—
9	Prof.M.Senthilkumar, BOS Convenor Department of Aeronautical Engineering Kumaraguru College of Technology Coimbatore-641049	
10	Dr.S.Jayalakshmi, Professor	
11	Dr.P.S.Premkumar, Associate Professor	P-S 
12	Mr.S.Senthilkumar, Assistant Professor	
13	Mr.R.Arul Prakash, Assistant Professor	R.A 
14	Mr.R.Arunkumar, Assistant Professor	
15	Mr. Darshankumar, Assistant Professor	
16	Mr. K.Naveenkumar, Assistant Professor	—
17	Mr.R.Vijayanandh, Assistant Professor	
18	Mr.G.Raj Kumar , Assistant Professor	G. Rajkumar,
19	Mr.S.Muthukumar, Assistant Professor	
20	Dr.V Stephen Ropkeah / DOA	
21	Dr. R. KRISHNA MURTHY / AP / SEH	RJS R Murthy
22	Dr. K. Suganathi / AP / Physics	
23	M. Sureshchandra Final year student	M. Suresh
24	N. Karanarasan Final year student	N. Karanarasan
25	H. Prathap also final year student	


Dr.K.Sundararaj,
 Chairman / Board of Studies,
 Dept. of Aeronautical Engg
Head of the Department,
 Department of Aeronautical Engineering,
 Kumaraguru College of Technology,
 Coimbatore -641049.



**KUMARAGURU COLLEGE OF TECHNOLOGY
COIMBATORE – 641 049**

(An Autonomous Institution affiliated to Anna University, Chennai)

DEPARTMENT OF AERONAUTICAL ENGINEERING

Minutes of 14th Board of Studies (BoS) Meeting

Held on March 24, 2018

Venue: Mechanical Dept, Conference Hall

Time: 10.30 AM to 1.00 PM

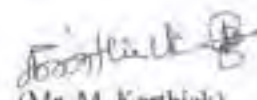
Suggestions / Recommendations by BoS Members on R17 and R18 curriculum:

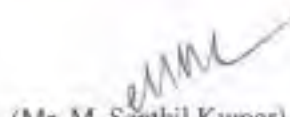
1. Engineering Clinics should be relevant to Aeronautical Engineering domains.
2. 'Mechanics of Solids', 'Aircraft Structures-I', 'Aircraft Structures-II' courses can be combined as two courses.
3. 'Rocket Propulsion' has to be added as core course (Propulsion-II).
4. 'Flight Instrumentation and Control' course can be included as core course by focusing aircraft instruments and flight control system.
5. Aircraft Systems and Avionics should be separate courses.
6. Three credits can be removed from eRIDE courses from total of 5 credits, and instead of that one core course can be added.
7. Flight Dynamics has to be made as two separate courses (Aircraft Performance, Stability and Control).
8. 'Composite Materials and Structures' has to be added as core course.
9. 'Model based Systems Engineering' course can be added as elective.
10. Open Elective courses can be redefined by focusing aerospace domains.
11. Elective courses can be redefined.
12. 'Numerical Methods and Statistics' can be changed as 'Numerical Methods in Fluid Mechanics'.

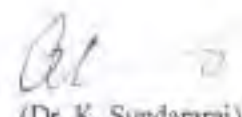

(Dr. K. M. Parammasivam)


(Dr. A. R. Srikrishnan)


(Mr. Srinivasan Bhaskaran)


(Mr. M. Karthick)


(Mr. M. Senthil Kumar)


(Dr. K. Sundararaj)

**Head of the Department,
Department of Aeronautical Engineering,
Kumaraguru College of Technology,
Coimbatore-641 049.**



Automobile Engineering




KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and Accreditation Council)

IA^{GRADE}++

Automobile Engineering

Sl. No.	Date of Board of Studies meeting
1.	09.01.2023
2.	23.07.2022
3.	11.12.2021
4.	12.06.2021
5.	28.11.2020
6.	24.12.2018
7.	17.03.2018

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF AUTOMOBILE ENGINEERING 13th Board of Studies Meeting	Ref No. KCT/AUTO/BOS-13/2022-23
		Prepared by: S Satish Issued By: S. Sivakumar, HOD Issue Date: 09 January 2023
	MINUTES OF MEETING	Page Number: 1 of 5

Date:	09 January 2023	Time:	10.30 AM to 12.30 PM	Location	Auto Dept. conference room
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Participants of the meeting

External Panel Members

1. Dr. S. Jegadheeswaran (Anna University Nominee) - Professor, Automobile Engineering, Bannari Amman Institute of Technology, Sathyamangalam.
2. Dr. V. Arul Mozhi Selvan (Subject Expert) – Associate Professor, Mechanical Engineering, National Institute of Technology, Tiruchirappalli.
3. Dr. M. Leenus Jesu Martin – Professor, SRM University, Chennai.
4. Dr. Shankar Venugopal – Vice President, Mahindra & Mahindra, Chennai.
5. Mr. V. Guruprnanav – Engineer - Technical Regulation & Homologation, Renault Nissan Technology & Business Center India Pvt limited, Chennai.

Internal Panel Members

1. Prof. S. Sivakumar (BoS Chairperson) - Associate Professor and Head, Automobile Engineering, KCT
2. Dr. J D Andrew Pon Abraham - Assistant Professor, Automobile Engineering, KCT
3. Mr. S. Satish (BoS Coordinator) - Assistant Professor, Automobile Engineering, KCT
4. Dr. R. Manivel - Professor, Automobile Engineering, KCT
5. Prof. C. Vasantharaj - Professor, Automobile Engineering, KCT
6. Dr. S. Mohan Kumar - Assistant Professor, Automobile Engineering, KCT,
7. Mr. S. Satish - Assistant Professor, Automobile Engineering, KCT
8. Mr. G. Rajkumar - Assistant Professor, Automobile Engineering, KCT
9. Mr. R. Kishore - Assistant Professor, Automobile Engineering, KCT
10. Mr. C. Naveen Kumar - Assistant Professor, Automobile Engineering, KCT
11. Mr. B. Arun - Assistant Professor, Automobile Engineering, KCT
12. Dr. N. Sangeetha – Senior Associate Professor, Mechanical Engineering, KCT
13. Dr. R. Manivel - Professor, Automobile Engineering, KCT

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF AUTOMOBILE ENGINEERING 13th Board of Studies Meeting	Ref No. KCT/AUTO/BOS-13/2022-23
		Prepared by: S Satish Issued By: S. Sivakumar, HOD Issue Date: 09 January 2023
	MINUTES OF MEETING	Page Number: 2 of 5

MINUTES OF MEETING

S.N o	DESCRIPTION& DISCUSSION POINTS	ACTION TAKEN
1.	<ul style="list-style-type: none"> Mr. S. Satish welcomed the panel members and presented the agenda and objective of 13th BOS meeting. Prof. Sivakumar proposed the welcome address and introduced the panel members. Vision, mission, PSO and PEO of the department have been shared with the panel members. Instructed to include manufacturing in PEO. Mr S Satish presented the action taken from the 12th BOS meeting to the panel. 	Will be Implemented in the forthcoming regulation.
2.	5th DAB meeting minutes is discussed with the panel members. The key points discussed are <ul style="list-style-type: none"> ➤ AL/ML course and projects ➤ Homologation standards (ARAI) in required courses. ➤ Course structure for improving competency, skills and attitude. ➤ Student internship from 5th semester ➤ Bench marking system with IIT's and other premier institutes. ➤ Open ended assignments ➤ Students participation in national and international conference. ➤ IEEE representation along with SAE. 	Will be Implemented in the forthcoming regulation.
3.	Modification in R18 regulation: The following modifications are made in R18 regulation for the students admitted in AY 2021-22 onwards <ul style="list-style-type: none"> ➤ Internal and End semester assessment marks are changed for theory courses, laboratory/project courses, embedded courses, Engineering clinics, mandatory non-credit course and Internal 	The changes have been incorporated in the regulations



KUMARAGURU COLLEGE OF TECHNOLOGY
DEPARTMENT OF AUTOMOBILE ENGINEERING
13th Board of Studies Meeting

Ref No. KCT/AUTO/BOS-13/2022
-23

Prepared by: S Satish
 Issued By: S. Sivakumar, HOD
 Issue Date: 09 January 2023

MINUTES OF MEETING

Page Number: 3 of 5

S.N 0	DESCRIPTION& DISCUSSION POINTS	ACTION TAKEN				
	<p>assessment courses.</p> <ul style="list-style-type: none">➤ Discontinuing the practice of printing dummy numbers in end semester answer scripts➤ Displaying the end semester answer scripts to students after completion of valuation➤ End Semester Marks (Question wise) will be given to the departments.➤ Minimum attendance for CAT 1 is removed and Anna University (AU) guidelines will be followed.➤ Retest will be conducted for CAT 1/CAT 2 students.➤ U1BIN15600 - Engineering Clinics V will be offered as professional core/professional elective.➤ Assessment pattern introduced for U1BVET4101 - Universal Human Values II.					
4.	<p>CO Attainment Target:</p> <p>CO target level for the AY 2021-2022 Even Semester is projected for approval. The following CO target is fixed for theory course, analytical course, practical course, and Embedded course.</p> <ul style="list-style-type: none">➤ Theory course - 70%➤ Analytical course - 60 %➤ Practical course - 75 %➤ Embedded course - 65 %					
5.	<p>New courses in R18 Curriculum:</p> <p>The following additional credit courses are added.</p> <table><tr><th>Course Code</th><th>Course Name</th></tr><tr><td>U1BAUR0001</td><td>BASICS OF ELECTRIC VEHICLE - DESIGN AND MANUFACTURING</td></tr></table>	Course Code	Course Name	U1BAUR0001	BASICS OF ELECTRIC VEHICLE - DESIGN AND MANUFACTURING	<p>The changes have been incorporated in syllabus</p>
Course Code	Course Name					
U1BAUR0001	BASICS OF ELECTRIC VEHICLE - DESIGN AND MANUFACTURING					



KUMARAGURU COLLEGE OF TECHNOLOGY
DEPARTMENT OF AUTOMOBILE ENGINEERING
13th Board of Studies Meeting

Ref No. KCT/AUTO/BOS-13/2022-23

Prepared by: S Satish
Issued By: S. Sivakumar, HOD
Issue Date: 09 January 2023

MINUTES OF MEETING

Page Number: 4 of 5

S.N 0	DESCRIPTION & DISCUSSION POINTS		ACTION TAKEN
	UIBAUR0002	COMPONENTS, CIRCUITS AND MACHINES FOR E MOBILITY	
	UIBAUR0003	CLASSROOM TO CORPORATE	
	<p>Following minor specialization courses are introduced in R18 curriculum,</p> <ul style="list-style-type: none"> ➤ Electric vehicle architecture ➤ Energy storage system ➤ Design of motors ➤ Design of controllers ➤ Electric vehicle testing 		
6.	<p>Other points discussed are:</p> <ul style="list-style-type: none"> ➤ Best practices followed in department. ➤ QP setter panel list. ➤ Infrastructure and teaching aids used in department. 		
7.	<p>Upcoming regulation R23: Discussed following points for the upcoming R23 regulation.</p> <ul style="list-style-type: none"> ➤ Hackathon participation can be considered for course assignments. ➤ Course on Active safety system in technology domain ➤ Case study in Entrepreneurship course. ➤ Maintain 5 to 6 (Max electives in curriculum) elective courses in each domain category. ➤ Separate elective domain for Electric vehicle or include EV relevant subjects in each elective domain. ➤ Automotive emission course – rename waste topic as recycle or automotive recycling. 		Will be Implemented in the forthcoming regulation and curriculum.



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MINUTES OF MEETING

Page Number: 5 of 5

S.N 0	DESCRIPTION & DISCUSSION POINTS	ACTION TAKEN
	<ul style="list-style-type: none"> ➤ CD&T in elective design domain. ➤ Approval for 1st year subjects in department BOS meeting. ➤ Online course (NPTEL, etc) needs to be approved in BOS meeting ➤ AI/ML for all branches ➤ domain wise elective course ➤ Mandatory comprehensive 1 credit course ➤ Project credit can be reduced to 6 or 8 credits. ➤ Paper publication hour in timetable ➤ Total credits can be increased to meet foreign university requirements. ➤ 	
8.	The meeting concluded with all the above-mentioned thoughts and the vote of thanks was proposed by Mr. S Satish	

Signature:

Dr S Jegadheeswaran (Subject Expert)	Dr. M. Leenus Jesu Martin (Subject Expert)	Dr. V. Arul Mozhi Selvan (Subject Expert)	Dr. Shankar Venugopal (Industry Expert)	Mr. V. Guruprakash (Alumni Member)	Prof. S Sivakumar (Chairperson)



KUMARAGURU COLLEGE OF TECHNOLOGY
DEPARTMENT OF AUTOMOBILE ENGINEERING
12th Board of Studies Meeting

Ref No. KCT/AUTO/BOS-12/2021
-22

Prepared by: S Satish
Issued By: S. Sivakumar, HOD
Issue Date: 23 July 2022

MINUTES OF MEETING

Page Number: 1 of 4

Date: 23 July 2022	Time: 4.30 PM to 5.30 PM	Online	MS Teams
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Participants of the meeting

External Panel Members

1. Dr. S. Jegadheeswaran (Anna University Nominee) - Professor, Automobile Engineering, Bannari Amman Institute of Technology, Sathyamangalam.
2. Dr. V. Arul Mozhi Selvan (Subject Expert) - Professor, Mechanical Engineering, National Institute of Technology, Tiruchirappalli.

Internal Panel Members

1. Prof. S. Sivakumar (BoS Chairperson) - Associate Professor and Head, Automobile Engineering, KCT
2. Dr. J. D. Andrew Pon Abraham - Assistant Professor, Automobile Engineering, KCT
3. Mr. S. Satish (BoS Coordinator) - Assistant Professor, Automobile Engineering, KCT
4. Dr. R. Manivel - Professor, Automobile Engineering, KCT
5. Prof. C. Vasantharaj - Professor, Automobile Engineering, KCT
6. Dr. S. John Alexis - Professor, Automobile Engineering, KCT
7. Dr. G. Thermozi - Associate Professor, Automobile Engineering, KCT
8. Dr. S. Mohan Kumar - Assistant Professor, Automobile Engineering, KCT.
9. Mr. T. Karthik - Assistant Professor, Automobile Engineering, KCT
10. Mr. J. Saiganesh - Assistant Professor, Automobile Engineering, KCT
11. Mr. S. Satish - Assistant Professor, Automobile Engineering, KCT
12. Mr. G. Rajkumar - Assistant Professor, Automobile Engineering, KCT
13. Mr. R. Kishore - Assistant Professor, Automobile Engineering, KCT
14. Mr. C. Naveen Kumar - Assistant Professor, Automobile Engineering, KCT
15. Mr. A. Prabhakaran - Assistant Professor, Automobile Engineering, KCT
16. Mr. B. Arun - Assistant Professor, Automobile Engineering, KCT

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF AUTOMOBILE ENGINEERING 12th Board of Studies Meeting	Ref No. KCT/AUTO/BOS-12/2021-22
		Prepared by: S Satish Issued By: S. Sivakumar, HOD Issue Date: 23 July 2022
	MINUTES OF MEETING	Page Number: 2 of 4

MINUTES OF MEETING

S.No	DESCRIPTION& DISCUSSION POINTS	ACTION TAKEN
1.	<ul style="list-style-type: none"> Mr. S Satish welcomed the panel members and presented the agenda and objective of 12th BOS meeting. Prof Sivakumar proposed the welcome address and introduced the panel members. Vision, mission and PSO of the department have been shared with the panel members Mr S Satish presented the action taken from the 11th BOS meeting to the panel. 	•
2.	<ul style="list-style-type: none"> 4th DAB meeting minutes is discussed with the panel members. The key points discussed are <ul style="list-style-type: none"> ➤ including advanced skill oriented courses like AI/ML, Python, Fuel cell and Autonomous Vehicle, ➤ Improving soft & team working skills and providing behavioral & attitude training ➤ Student projects in industry standard ➤ 6 months industry training (UK Model) 	Will be implemented in the forthcoming regulation.
3.	<ul style="list-style-type: none"> Overview of R18 Curriculum: Number of credits and subject list are discussed. CO Modifications are made for the following subjects: UI8AU16202 – Vehicle Dynamics: CO1: Determine the forces acting on vehicle for the given conditions CO2: Inference the forces and moments developed at the vehicle tire CO3: Illustrate the concept and dynamics involved in suspension system of the vehicle. 	The changes have been incorporated in syllabus



KUMARAGURU COLLEGE OF TECHNOLOGY
DEPARTMENT OF AUTOMOBILE ENGINEERING
12th Board of Studies Meeting

Ref No. KCT/AUTO/BOS-12/2021-22

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Issued By: S. Sivakumar, HOD
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MINUTES OF MEETING

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S.No	DESCRIPTION & DISCUSSION POINTS	ACTION TAKEN
	<p>CO4: Explain the lateral stability and cornering behavior of the vehicle</p> <p>CO5: Brief about properties of sound & noise measurement techniques</p> <p>CO6: Analyse the vehicle responses for longitudinal, lateral and vertical dynamics</p> <p>U18AUT5102 – Design of Machine Elements:</p> <p>CO1: Understand Design Morphology & categorize design types.</p> <p>CO2: Apply the design concepts of Shafts & Springs.</p> <p>CO3: Infer Gear terminology & Apply in gear design.</p> <p>CO4: Design and validation of bearing</p> <p>CO5: Infer Energy storage capacity and design flywheel</p> <p>CO6: Apply safe design concepts in machine elements</p>	
4.	<p>CO Attainment Target: CO target level for the batch 2018 is discussed. The action taken for the CO not attained subjects are displayed.</p> <p>PO/PSO Attainment: PO and PSO attainment for the batch 2017 is discussed.</p> <p>1) Universal Human Values 1</p> <p>2) Universal Human Values 2</p>	
5.	<p>Mandatory Courses for R18:</p> <p>The following mandatory courses are added in R18 regulation from 2020 batch onwards.</p>	<p>The changes have been incorporated in syllabus.</p>
6.	<p>Upcoming regulation R23:</p> <p>Discussed following points for the upcoming R23 regulation</p> <ul style="list-style-type: none">➤ Max credits is 160	<p>Will be implemented in the</p>



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MINUTES OF MEETING

Page Number: 4 of 4


S.No	DESCRIPTION & DISCUSSION POINTS	ACTION TAKEN
	<ul style="list-style-type: none">➤ Engineering clinics credit reduced to 1 credit➤ Additional credits for NPTEL/MOOC course➤ Skill courses for latest industry requirement like Machine learning, Modeling and simulation using MATLAB, Basic of Electrical and Electronics for Electric vehicle and IOT in Transportation Engineering <p>The panel members confirms the requirement of advanced industry required courses in upcoming regulation.</p>	forthcoming regulation.
7.	The meeting concluded with all the above-mentioned thoughts and the vote of thanks was proposed by Mr. S Satish	



Prof. S. Sivakumar

HOD/Auto

Professor & Head
Department of Automobile Engineering
Kumaraguru College of Technology
Coimbatore - 641 049.

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF AUTOMOBILE ENGINEERING 11th Board of Studies Meeting	Ref No. KCT/AUTO/BOS-11/2020-21
		Prepared by: Dr J D Andrew Issued By: S. Sivakumar, HOD Issue Date: 12 June 2021
	MINUTES OF MEETING	Page Number: 1 of 6

Date:	11 Dec 2021	Time:	10.00 AM to 11.30 AM	Online	MS Teams
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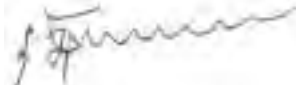



Participants of the meeting


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2. Dr. M. Leenus Jesu Martin (Subject Expert) Professor & Head, Automobile Engineering, SRM University, Chennai.
3. Dr. V. Arul Mozhi Selvan (Subject Expert) - Professor, Mechanical Engineering, National Institute of Technology, Tiruchirappalli.
4. Dr. Shankar Venugopal (Industry Expert) - Vice President, Mahindra & Mahindra, Chennai
5. Mr. V. Gurupranav (Alumni Member) – Engineer, Technical Regulation & Homologation, Renault Nissan.

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5. Dr. S. John Alexis – Professor, Automobile Engineering, KCT
6. Dr. G. Thenmozhi – Associate Professor, Automobile Engineering, KCT
7. Dr. S. Mohan Kumar – Assistant Professor, Automobile Engineering, KCT,
8. Mr. T. Karthik - Assistant Professor, Automobile Engineering, KCT
9. Mr. J. Saiganesh - Assistant Professor, Automobile Engineering, KCT


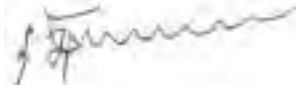



				
Prof. S Sivakumar (BoS Chairperson)	Dr. S. Jegadheeswaran (Anna University Nominee)	Dr. M. Leenus Jesu Martin	Dr. V. Arul Mozhi Selvan	Mr. V. Gurupranav


	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF AUTOMOBILE ENGINEERING 11th Board of Studies Meeting	Ref No. KCT/AUTO/BOS-11/2020 -21
		Prepared by: Dr J D Andrew Issued By: S. Sivakumar, HOD Issue Date: 12 June 2021
	MINUTES OF MEETING	Page Number: 2 of 6

10. Mr. S. Satish - Assistant Professor, Automobile Engineering, KCT
11. Mr. G. Rajkumar - Assistant Professor, Automobile Engineering, KCT
12. Mr. R. Kishore - Assistant Professor, Automobile Engineering, KCT
13. Mr. C. Naveen Kumar - Assistant Professor, Automobile Engineering, KCT
14. Mr. A. Prabhakaran - Assistant Professor, Automobile Engineering, KCT
15. Mr. B. Arun - Assistant Professor, Automobile Engineering, KCT


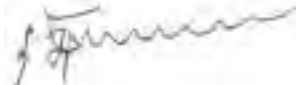



MINUTES OF MEETING

S.No	DESCRIPTION & DISCUSSION POINTS
1.	<ul style="list-style-type: none"> Mr. Saiganesh welcomed the panel members and presented the agenda for the day. Prof. Sivakumar proposed the welcome address and introduced the panel members. Dr. J D Andrew presented the action taken from the 10th BOS meeting to the panel. Vision, mission and PSO of the department have been shared with the panel members
2.	<ul style="list-style-type: none"> The panel members approved the list of QP setters nominated by the department and suggested to include Associate professors also in the mix. CO-PO attainment of the R 17 curriculum presented and suggestions for improvement in fixing the target was discussed. Overview of finalized R18 curriculum is presented.
3.	<p>Feedbacks from PAC Meeting</p> <p>Dr. J D Andrew explained the Feedbacks from PAC Meeting.</p> <p>Following courses are minor changed on Topics and COs.</p> <p>U18AUI3202- Strength of Materials:</p> <p>CO3 is Changed to Determining the slope and deflection of beams.</p> <p>CO6/PO9- S, CO1/PO9 – M, CO3/PO9 – M, CO4/PO9 – M, CO2/PO10- M, CO5/PO10- Removed.</p>

				
Prof. S Sivakumar (BoS Chairperson)	Dr. S. Jegadheeswaran (Anna University Nominee)	Dr. M. Leenus Jesu Martin	Dr. V. Arul Mozhi Selvan	Mr. V. Gurupranav


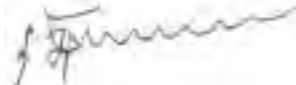



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		Prepared by: Dr J D Andrew Issued By: S. Sivakumar, HOD Issue Date: 12 June 2021
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S.No	DESCRIPTION& DISCUSSION POINTS
	<p>CO weightage is less and less matched with the content.</p> <p>U18AUE0019: Applied Hydraulics and Pneumatics</p> <p>CO1 is changed to Understand the Fluid properties and functions and applications of Fluid Power</p> <p>U18AUI4202 - Fluid Mechanics and Machinery</p> <p>Following topics are included</p> <ul style="list-style-type: none"> Unit 2: Vorticity and rotationality. Navier-Stokes Equations-Applications. Unit 3: distorted models Unit 4: Hydraulic gradient and Total energy line Unit 5: Performance curves of turbines and pumps <p>Topics for competitive exams and numerical analysis</p> <p>U18AUE0019: Applied Hydraulics and Pneumatics</p> <p>CO1 is changed to Understand the Fluid properties and functions and applications of Fluid Power</p> <p>U18AUT3103- Thermodynamics and Thermal Engineering</p> <ul style="list-style-type: none"> Air compressor moved to Chapter 3 Vapour Power Cycles removed from Chapter 3 CO are changed according to changes made in course content <p>U18AUT7002-Automotive Emissions</p> <ul style="list-style-type: none"> Advancement in battery recycling techniques is included in unit 6 Students needs to know advancements made in lithium ion battery recycling techniques <p>U18AUT4005- Automotive Electrical Engineering</p>

				
Prof. S Sivakumar (BoS Chairperson)	Dr. S. Jegadheeswaran (Anna University Nominee)	Dr. M. Leenus Jesu Martin	Dr. V. Arul Mozhi Selvan	Mr. V. Gurupranav


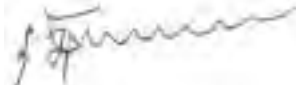



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S.No	DESCRIPTION & DISCUSSION POINTS
	<p><u>CO6 is changed to</u></p> <p>Recognize and build small wiring applications / wiring diagrams used in vehicles</p> <p>U18AUI6201 Automotive Embedded Systems</p> <p><u>Following topics are removed</u></p> <p>Operation and application of BLDC motors</p> <ul style="list-style-type: none"> repeated topics <p>U18AUP5505 Automotive Electrical and Electronics Engineering Laboratory</p> <p><u>Following topics are removed</u></p> <p>Diagnose the fault in Ignition System, Design and implementation of Microbial Fuel Cell (Fault diagnosis can be covered in Engines lab. Instead of design and development of PEM fuel cell it can be study of PEM fuel cell)</p> <p><u>Following topic is added</u></p> <p>Study of Proton Exchange membrane Fuel cell.</p> <p>U18AUE0011: Fuel Cell Technology</p> <p><u>Following topics are removed</u></p> <p>Build a Proton Exchange Membrane fuel cell</p> <p>Performance Analysis of a single cell using manual fuel cell test station (This has been included in the AEE laboratory)</p> <p>The above changes were proposed to the panel members and they approved the same.</p>
4.	Open elective course on Electric and Hybrid Vehicle Technology was proposed to the panel members, and they approved the same.

				
Prof. S Sivakumar (BoS Chairperson)	Dr. S. Jegadheeswaran (Anna University Nominee)	Dr. M. Leenus Jesu Martin	Dr. V. Arul Mozhi Selvan	Mr. V. Gurupranav

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF AUTOMOBILE ENGINEERING 11th Board of Studies Meeting	Ref No. KCT/AUTO/BOS-11/2020-21
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	MINUTES OF MEETING	Page Number: 5 of 6

S.No	DESCRIPTION& DISCUSSION POINTS
	<p><u>Course details:</u></p> <p>Course Title: Electric and Hybrid Vehicle Technology</p> <p>Course Objective:</p> <ul style="list-style-type: none"> To educate the students on electric and hybrid vehicle technology on par with global standards. <p>Course Outline: This Course focusses on</p> <ul style="list-style-type: none"> Electric and hybrid vehicle structure and functions Design and development of Electric and hybrid vehicle Safety norms and standards Impact on environment and economy Challenges – Infrastructure, Government policies <p>Target Group: 3rd year Engineering students from Automobile, Mechanical, Mechatronics, Electrical.</p> <p>Expected Outcomes:</p> <p>The students will be able to</p> <ul style="list-style-type: none"> Familiarise the types of structures and functions of electric and hybrid vehicle Select suitable motors, power converters, battery for specific requirement through design analysis Emphasis on the safety norms and standards to be followed while developing the vehicle. Implement the emission norms to be adopted. Analyse the impact on economy due to implementation. Understand the need for infrastructure requirements and the government policies.


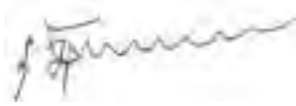



				
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	MINUTES OF MEETING	Page Number: 6 of 6

S.No	DESCRIPTION& DISCUSSION POINTS
5.	Discussed for Implementing NEP 2020. All members have expressed that NEP2020 can be adopted gradually. Similar model practiced in other University has been shared by Dr, Leenus Martin to us.
6.	The meeting concluded with all the above-mentioned thoughts and the vote of thanks was proposed by Mr. G. Rajkumar (AP/Auto).



Prof. S. Sivakumar
HOD/Auto

				
Prof. S Sivakumar (BoS Chairperson)	Dr. S. Jegadheeswaran (Anna University Nominee)	Dr. M. Leenus Jesu Martin	Dr. V. Arul Mozhi Selvan	Mr. V. Gurupranav

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF AUTOMOBILE ENGINEERING 10th Board of Studies Meeting	Ref No. KCT/AUTO/BOS12/2020 - 21/01
		Prepared by: C. Naveen Kumar, AP Issued By: S. Sivakumar, HOD Issue Date: 12 June 2021
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Date:	12 June 2021	Time:	10.00 AM to 11.30 AM	Online	Google Meet
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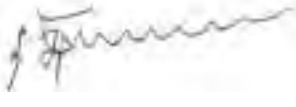



Participants of the meeting


External Panel Members

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10. Mr. S. Satish - Assistant Professor, Automobile Engineering, KCT
11. Mr. G. Rajkumar - Assistant Professor, Automobile Engineering, KCT

				
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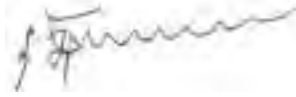



12. Mr. R. Kishore - Assistant Professor, Automobile Engineering, KCT
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14. Mr. A. Prabhakaran - Assistant Professor, Automobile Engineering, KCT
15. Mr. B. Arun - Assistant Professor, Automobile Engineering, KCT
16. Mr. V Annamalai – Final year student, Automobile Engineering, KCT
17. Mr. T. Julash - Final year student, DA President, Automobile Engineering, KCT


Highlights: Discussions on R18 Regulation 1. Elective addition 2. PROTOSEM 3. Best Practices 4. Evaluation methods

MINUTES OF MEETING & ACTION POINTS


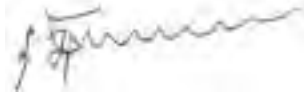



Codes: A: Action C: Comment D: Decision R: Recommendation


S.No	CODE	DESCRIPTION& DISCUSSION POINTS
1.		<ul style="list-style-type: none"> Mr. Saiganesh welcomed the panel members and presented the agenda for the day. Prof. Sivakumar proposed the welcome address and introduced the panel members. Dr. Andrew presented the action taken from the 9th BOS meeting to the panel. Vision, mission and PSO of the department have been shared with the panel members
2.	R, C	<ul style="list-style-type: none"> The panel members approved the list of QP setters nominated by the department and suggested to include Associate professors also in the mix. CO-PO attainment of the R 15 curriculum presented and suggestions for improvement is fixing the target was discussed. Overview of finalized R18 curriculum is presented and an addition of 3 credit elective course on ADVANCED STM32 MICROCONTROLLER AND EMBEDDED C PROGRAMMING was proposed to the panel members and they approved the same. PROTOSEM Idea and curriculum has been presented which is also approved by the panel

				
Prof. S Sivakumar (BoS Chairperson)	Dr. S. Jegadheeswaran (Anna University Nominee)	Dr. M. Leenus Jesu Martin	Dr. V. Arul Mozhi Selvan	Mr. V. Gurupranav

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF AUTOMOBILE ENGINEERING 10th Board of Studies Meeting	Ref No. KCT/AUTO/BOS12/2020 - 21/01
		Prepared by: C. Naveen Kumar, AP Issued By: S. Sivakumar, HOD Issue Date: 12 June 2021
	MINUTES OF MEETING	Page Number: 3 of 4

S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		members. <ul style="list-style-type: none"> One Credit Course: Suggestion was to conduct in Blended mode try to bring in expertise from Industry, Institution and Abroad.
3.	C	Best Practices Followed: Dr. Arul Mozhi Selvan <ul style="list-style-type: none"> NIT Model – Student are encouraged to do mini projects of their interest and participate in competitions, during the final year project evaluation the activity will be considered for credits. Encourage interdisciplinary project. KCT has launched similar model – to start with 60 students – suggestion to open it for all the students. Students can be left free in 7th and 8th semester so that they can go for projects or internships abroad. Dr. Leenus Martin <ul style="list-style-type: none"> SRM Model - Students can collaborate with MBA and also Medical Sciences and other majors as well. FAB LAB 24 x 7 facility for fabrication projects, Incubation Cell – Takes on Alumni based projects as live projects. Dr. Jegadheeswaran <ul style="list-style-type: none"> Bannari Institute model – Students can take elective at any level and the only thing is they should have completed the prerequisite. For example, a second-year student can choose and 3rd year elective so there will be a mixture of students. Only thing is they should complete the number of credits as mentioned by Anna University and additional credits also can be taken for value addition.

				
Prof. S Sivakumar (BoS Chairperson)	Dr. S. Jegadheeswaran (Anna University Nominee)	Dr. M. Leenus Jesu Martin	Dr. V. Arul Mozhi Selvan	Mr. V. Guruprnanav


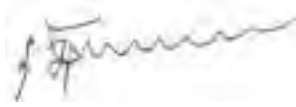
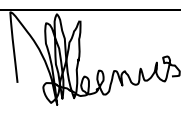


	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF AUTOMOBILE ENGINEERING 10th Board of Studies Meeting	Ref No. KCT/AUTO/BOS12/2020 - 21/01
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S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		<ul style="list-style-type: none"> In SRM the students can attend the classes for knowledge, and they could skip the examinations if they completed the required credits by the norms.
4.	C	Evaluation methods for Online Teaching: Dr. Arul Mozhi Selvan <ul style="list-style-type: none"> The QP should not be set in a manner the students can readily find the answers in the internet, the questions can be of correlation, compare, analyzing a real time problem etc. Dr. Leenus Martin <ul style="list-style-type: none"> In SRM the assessments are conducted using CODETANDRA where the QP will be set in 3 levels and the questions will be shuffled for each student and each question will be timed so that they cannot come back to the previous question the students are proctored like 20 students will have a proctor and 5 proctors will be under one super proctor and all the student's movements are recorded. For analytical papers more time will be allocated.
5.	C	Mr. Gurupranav Alumni added that the students can be encouraged to do more online certification courses as a value addition and to motivate them recognition can be given.
6.		The meeting concluded with all the above-mentioned thoughts and the vote of thanks was proposed by Dr. John Alexis.



Prof. S. Sivakumar

HOD/Auto


				
Prof. S Sivakumar (BoS Chairperson)	Dr. S. Jegadheeswaran (Anna University Nominee)	Dr. M. Leenus Jesu Martin	Dr. V. Arul Mozhi Selvan	Mr. V. Gurupranav

	KUMARAGURU COLLEGE OF TECHNOLOGY BOS Meeting	Ref No. KCT/AUE/BOS/01/2020
		Prepared by: C. Naveen Kumar, AP
	MINUTES OF MEETING	Issued By: Prof. S. Sivakumar, HoD, Automobile Department Issue Date: 28 November 2020 Page Number: 1 of 3

Date:	28 November 2020	Time:	10.00 AM to 11.30 AM	Venue:	Online Meeting, Google Meet
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PARTICIPANTS OF THE MEETING


Name	Designation	Name	Designation
Dr S Jegadheeswaran	Professor , Automobile Engg. Bannari Amman Institute of Technology,	Dr. G. Thenmozhi	ASP.Auto Dept.
Dr.Shankar Venugopal	Vice President , Mahindra & Mahindra, Chennai	Dr. J. D. Andrew	Asst. Prof, Auto Dept
Dr. M. Leenus Jesu Martin	Professor, Department of Automobile Engineering, SRM University, Chennai.	Dr. S. Mohan Kumar	Asst. Prof, Auto Dept
Dr. V. Arul Mozhi Selvan	Professor, Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli	Mr. T. Karthik	Asst. Prof, Auto Dept
Mr V. Gurupranav	Engineer – Technical Regulation & Homologation, Renault Nissan Technology & Business Center India Pvt limited, Chennai	Mr. J. Saiganesh	Asst. Prof, Auto Dept
Dr. N. Srinivasan	Principal, KCT	Mr. S. Satish	Asst. Prof, Auto Dept
Dr. D. Saravanan	Dean Academics, KCT	Mr. G. Rajkumar	Asst. Prof, Auto Dept
Dr. C. Velmurugan	Head Mechanical Engineering	Mr. R. Kishore	Asst. Prof, Auto Dept
Dr. N. Sangeetha	Asso.Prof. Mechanical Engineering	Mr. C. Naveen Kumar	Asst. Prof, Auto Dept
Mr. S. Sivakumar	HoD, Auto Dept, KCT	Mr. A. Prabhakaran	Asst. Prof, Auto Dept
Prof. C. Vasantharaj	Director, KCIRI	Mr. B. Arun	Asst. Prof, Auto Dept
Dr. S. John Alexis	Prof. Auto Dept		

	KUMARAGURU COLLEGE OF TECHNOLOGY BOS Meeting	Ref No. KCT/AUE/BOS/01/2020
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	MINUTES OF MEETING	Page Number: 2 of 3

MINUTES OF MEETING & ACTION POINTS

Codes: A: Action C: Comment D: Decision R: Recommendation

S.No	CODE	DESCRIPTION & DISCUSSION POINTS
1	C	HOD introduced all the BOS Members and Faculty members and explained in detail the objective of the meeting. Dr. J D Andrew presented the Action taken from previous 8 th BOS meeting
2	D	Ratification of the following subjects in R17 & R18 1. U17AUI4203/U18AUI4204 - Machine Drawing Credits changed from 3 to 4 2. U17AUE0019/U18AUE0019 Hydraulic and Pneumatic systems – added in R17 & R18 3. U17AUE0020/U18AUE0020 Automotive aerodynamics - added in R17 & R18 4. Professional Elective –IV added in R17 & R18 U18INT7000- Professional Communication & Analytical Reasoning is removed from R17 & R18
2	C	Dr. Shankar – Appreciated the curriculum and suggested to add more content on Electric Vehicle, Autonomous Vehicle and Connected vehicle Final Semester students can do MOOC course and the college can do their own evaluation on that and give credits In future the Automobile, Mechanical, Electrical and Electronics knowledge as whole is expected from the recruiters Mahendra is conducting a course on Mobility Engineer 2020 online course In materials also Battery materials can be included, and manufacturing of EV based systems can also be included.
3	C	Dr. Leenus Martin expressed in future we should think about Autotronics combined automobile and electronics and lots of interdisciplinary subjects should be included. Vehicle testing domain can be considered as a focus area. In Automotive Chassis paper itself reconditioning can be included. SRM is conducting one credit course on Saturday evening and offer important concepts as value added courses instead of a separate subject. Emission paper can be included in Automotive Engines

	KUMARAGURU COLLEGE OF TECHNOLOGY BOS Meeting	Ref No. KCT/AUE/BOS/01/2020
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	MINUTES OF MEETING	Page Number: 3 of 3

S.No	CODE	DESCRIPTION& DISCUSSION POINTS
4	C	Dr. Arul Mozhi suggested it is the right time to reframe the curriculum aligned to Automotive Electrical and Electronics The credits given to the final year project is high cut short the credits to 6 in order to accommodate more subjects on electrical and electronics in Automobiles. MHRD is recommending MOOC course for 20 Credits.
5	C	Dr. Jegadheeswaran – Consider Intelligent vehicle Technology as core paper instead of elective Automotive Software related courses can be focused
6	C	Mr. Guru Pranav Suggested Automotive Chassis and Manufacturing Technology can be pushed to later semester and Basics in electrical engineering can be moved to 3 rd semester. Vehicle body Engineering in 5 th semester and a course on vehicle architecture can be created to occupy the above. Vehicle testing and validation should be made as a core paper with 50% theory, 50% Practical come industry visit etc. Battery management system and Charging Systems can be included in Hybrid and Electric vehicles Syllabus In chassis and Vehicle body – 2 wheeler and 3 wheelers can be included. He appreciated the inclusion of TQM and Project management as a core paper in the curriculum.
7		HoD Prof. Sivakumar Thanked all the dignitaries and Mr. Kishore proposed vote of thanks.



Convener, BOS

(Dr. J D Andrew Pon Abraham)



Chairman, BOS

(Prof. S. Sivakumar)



DEPARTMENT OF AUTOMOBILE ENGINEERING

**Minutes of Eighth Board of Studies Meeting for B.E. Automobile Engineering Programme
held on 24th November, 2018**

The following members were present during the meeting

1. Dr. S. John Alexis, Professor & Head, Automobile Engineering, KCT - Chairman
2. Dr. S. Jegadeeswaran (Anna University Nominee) Professor, Automobile Engineering, Mannar Aruman Institute of Technology, Sathyamangalam
3. Dr. V. Lzezas, Jesu Martin, Professor & Head, Dept. of Automobile Engineering, SRM University, Chennai
4. Dr. G. L. Samuel, Professor, Dept. of Mechanical Engineering, IIT Madras, Chennai.
5. Mr. S. Karthi, R&D Manager, Ampere Vehicles India Pvt.Ltd., Coimbatore.
6. Mr. A. Sankumar, Asst. General Manager, engine & Vehicle Testing, Jayem Automotives P. Ltd, Coimbatore.
7. Mr. Gowtham V., (KCT Alumni) Automobile - 2016 batch Engineer, Delphi - TVS
8. Dr. S. Subari, Associate Professor, Department of Mechanical Engineering, Annamalai University, Coimbatore.
9. Dr. N. Sangeetha, Senior Associate Professor, Mechanical Engineering, KCT - Internal Expert Member
10. Mr. G. Thennayachi, Asst. Professor II, Automobile Engineering, KCT - Faculty member
11. Mr. J.D. Andrew Puth Abraham, (BOS Co-Chair) Asst. Professor I, Automobile Engineering, KCT - Faculty member
12. Dr. S. Anubhaskumar, Asst. Professor II, Automobile Engineering, KCT - Faculty member
13. Mr. T. Karthik, Asst. Professor, Automobile Engineering, KCT - Faculty member
14. Mr. J. Sridharan, Asst. Professor, Automobile Engineering, KCT - Faculty member
15. Mr. G. Rajkumar, Asst. Professor, Automobile Engineering, KCT - Faculty member
16. Mr. S. Sajith, Asst. Professor, Automobile Engineering, KCT - Faculty member
17. Mr. R. Kishore, Asst. Professor, Automobile Engineering, KCT - Faculty member
18. Mr. C. Navaneethan, Asst. Professor, Automobile Engineering, KCT - Faculty member
19. Mr. A. Prabhakaran, Asst. Professor, Automobile Engineering, KCT - Faculty member
20. Mr. B. Arun, Asst. Professor, Automobile Engineering, KCT - Faculty member
21. Dr. V. Prudhvi Stephen, DCA/KCT
22. Dr. Saravathy N. KODUR/KCT

The Chairman welcomed the members and explained the various aspects of AKTE, NBA, Anna University and Autonomous requirements.

The following objectives were set for the 8th BOS meeting.

- To review and recommend the changes made in the curriculum and syllabus for 5th to 8th Semester under the Regulation 2017, 3rd to 8th semester under the Regulation 2018 of B.E. (Automobile Engineering) programme.
- To review and recommend the changes made in the curriculum of 3rd to 8th Semester under 2017 and 2018 Regulation for B.E. Automobile Engineering Program, framed during the 7th BOS meeting held on 17th March 2018.

Highlights of the points discussed and Recommendations by BOS Members:

General Suggestions & Recommendations:

1. Engineering Clinic:

- Specific Names for Engineering Clinics to be specified for each semester. Justification of syllabus, evaluation pattern to be defined clearly.
- Department specific project based learning could be implemented in Engineering Clinic so that it would be easy to prepare documentation for NBA.

2. Internship should be mandatory for all as per ACUE and should be given credit.
3. Summer Internship has to be included.
4. Pre-requisite to be included As arranged for certain courses.
5. Some of the subjects like Strength of Materials, Fluid mechanics and machinery, Finite Element Analysis etc., can have a common code in alignment with Mechanical Engineering department.
6. Include Website links, NPTEL Courses etc., in the other references. References to be updated with recent editions and Books should be purchased in the library.

Course Code and Name		BOS Recommendations	Remarks
Regulation 2017	Regulation 2019		
Semester 3			
	U18MAT1101- Partial Differential Equations and Fourier Analysis		
	U18AUT301- Automotive Chassis and Transmission	<ul style="list-style-type: none"> Include AMT, Flex coupling, torque converters, CVT, ABS 	
	U18AUT302- Strength of Materials		
	U18AUT320- Thermodynamics and Thermal Engineering	<ul style="list-style-type: none"> Thermodynamics and Thermal engineering can be pushed to professional Elective or professional core according to the credit limit 	
	U18AUT303- Materials and Metallurgy		
	U18ME310 Engineering Office 3	<ul style="list-style-type: none"> Specific Names for Engineering Offices to be specified for each semester. Justification of syllabus, Evaluation pattern to be defined clearly. Department specific project based learning could be implemented in Engineering Offices so that it would be easy to prepare documentation for NBA. Engineering office has to be defined, what is expected at different levels, evaluation criteria, separate pattern required, Office is required (Report/Product or both) 	
Semester 4			
U18MAT401- Numerical Methods and Statistics	U18MAT401 Numerical Methods and Statistics		
U18AUT401- Automotive Powertrain	U18AUT401 - Automotive Powertrain	<ul style="list-style-type: none"> Automotive Powertrain to be renamed as Automotive Engines and Systems Remove clutches, include governors, lubrication and fuel systems in SI and CI engines 	
U18AUT402-Fluid Mechanics and Machinery	U18AUT402- Fluid Mechanics and Machinery		
	U18AUT403- Manufacturing Technology	<ul style="list-style-type: none"> Machining tools to be changed as "principles of metal cutting and machining" Concept of light weighting and metal weighting can be incorporated. Manufacturing Technology Lab Experiments should include making of components 	

Course Code and Name		BOS Recommendation	Remarks
Regulation 2017	Regulation 2018		
U17AU14201-Machine Drawing	U18AU14201-Machine Drawing	<ul style="list-style-type: none"> Include Mechanical tools for maximum mechanical oriented by future. Fit in tolerances can be incorporated. 	
U17AUT1404-Vehicle Body Engineering	U18AUT1404-Engineering Clinic 4	<ul style="list-style-type: none"> Keyless entry systems to be included in Vehicle Body Engineering. Unit number should be revised in the Vehicle Body Engineering. Particular engine versions and all sensors related to automotive domain need to be included in automotive sensors and embedded systems. Hill Assist to be included in Automotive Sensors or Automotive Systems. Merging of Experiments in Fluids and combustion subjects. Sensor simulation to be included in automotive sensors or modelling course. U17AU14201 to be included in HEM. Same as Engineering Clinic 4 	
U17AUT1400-Engineering Clinic 2			
Semester 5			
U17AU15201-Automotive Electrical and Electronics Engineering	U18AU15201-Automotive Electrical and Electronics Engineering	<ul style="list-style-type: none"> Automotive Electronics can be given as a separate course since the contents are more towards Electrical. 	
U17AU15202-Automotive Fuel system Emission Control	U18AU15202-Automotive Fuel system Emission Control	<ul style="list-style-type: none"> PC's and lubricants can be removed from Emissions. Lubricants can be moved to Engine systems. Tools to be deleted. Scavenging to be removed from the syllabus. Euro 5 norms, standards, test cycles to be included in Emissions. SCR and Low temperature conversion to be included in the syllabus. 	
U17AUT15101-Mechanics of Machines	U18AUT15101-Mechanics of Machines	<ul style="list-style-type: none"> Clutch and its design to be included in Mechanics of Machines. Vibrations to be included in Vehicle dynamics instead of Mechanics of machines. Governors to be included in Engines - Fuel injection systems. 	
U17AUT15104-Design of Machine Elements	U18AUT15104-Design of Machine Elements	<ul style="list-style-type: none"> Include leaf springs 	
U17AUT15105-Vehicle Body Engineering	U18AUT15105-Vehicle Body Engineering		
U17AUT15100-Engineering Clinic 1	U18AUT15100-Engineering Clinic 3	Same as Engineering Clinic 1	
U17AU16201-Finite Element Analysis	U18AU16201-Finite Element Analysis		
U17AU16202-Applications of Embedded Systems	U18AU16202-Applications of Embedded Systems	<ul style="list-style-type: none"> Exclude EM sensors, Design pressure sensor, Adv. Matlab and Simulink 	
Semester 6			

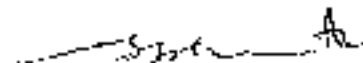
Course Code and Name		BOS Recommendation	Remarks
Regulation 2017	Regulation 2018		
U17AUT6001 - Vehicle Dynamics	U18AUT6003 - Vehicle Dynamics	<ul style="list-style-type: none"> Add Simulink for vehicle control Tread analyser equipment, Roller brake tester, Generation experiments are to be included Update old books to new International, the Text and Reference. Quarter Car Model code to be purchased for Vehicle Dynamics. Regulations, warranty, guarantee etc., to be included in Vehicle Maintenance Suspension and roller brake tester can be purchased for VMC lab. 	
U17AUT6201 - Vehicle Maintenance and Repairing	U18AUT6204 - Vehicle Maintenance and Repairing		
Open Elective (OE)	PE - Open Elective (OE)		
U17ENG300 - Engineering Clinic-I		<ul style="list-style-type: none"> Same as Engineering Clinic-I 	
Semester 7			
U17AUT7001 - Hybrid and Electric Vehicles	U18AUT7101 - Hybrid and Electric Vehicles	<ul style="list-style-type: none"> Add HIL Kits, Motors, Check syllabus and Update Books 	
U17AUT7002 - Total Quality Management and Project Management	U18AUT7102 - Total Quality Management and Project Management	<ul style="list-style-type: none"> Add Design of Experiments topic. 	
U17ENT7001 - Soft Skills - II	U18ENT7001 - Soft Skills - II		
U17AUP7703 - Project Phase-I	U18AUP7703 - Project Phase-I		
Semester 8			
U17AUP8701 - Engineering Project	U18AUP8701 - Engineering Project		
Professional Electives			
Automotive Design			
U17AUT9001 - Design of Engine Components	U18AUT9001 - Design of Engine Components		
U17AUT9002 - Design of Chassis Components	U18AUT9002 - Design of Chassis Components		
U17AUT9003 - Computational Fluid Dynamics	U18AUT9003 - Computational Fluid Dynamics		
U17AUT9004 - Computer Simulation of IC Engine Processes	U18AUT9004 - Computer Simulation of IC Engine Processes		
Automotive Manufacturing			
U17AUT9005 - Automotive Components Manufacturing	U18AUT9005 - Automotive Components Manufacturing		

Course Code and Name		BOS Recommendation	Remarks
Regulation 2017	Regulation 2018		
U18A110006-Design for Manufacture and Assembly	U18A110006-Design for Manufacture and Assembly	---	
U18A110007-Composite Materials	U18A110007-Composite Materials	---	
U18A110008-Advanced Manufacturing and Tooling	U18A110008-Advanced Manufacturing and Tooling	---	
Automotive Electrical and Electronics			
U18AUE0009- Automotive Control System	U18AUE0009- Automotive Control System	---	
U18AUE0010- Auxiliary Vehicle Systems	U18AUE0010- Auxiliary Vehicle Systems	---	
U18AU00011- Fuel Cell Technology	U18AU00011- Fuel Cell Technology	---	
U18AU00012- Automotive Communication Protocols	U18AU00012- Automotive Communication Protocols	---	
U18AUE0013- Intelligent Vehicle Technology	U18AUE0013- Intelligent Vehicle Technology	---	
Automotive Technology and Management			
U18AU00014- OTRoad Vehicles	U18AU00014- OTRoad Vehicles	---	
U18AUT0015- Tyre Technology	U18AUT0015- Tyre Technology	---	
U18AU00016- Vehicle Testing and Validation	U18AU00016- Vehicle Testing and Validation	---	
U18AUE0017- Entrepreneurship Development	U18AUE0017- Entrepreneurship Development	---	
U18AUE0018- Vehicle Transport Management	U18AUE0018- Vehicle Transport Management	---	
Open Elective			
U18AU00019- Automotive Engineering	U18AU00019- Automotive Engineering	---	
U18AU00020- Hybrid and Electric Vehicles	U18AU00020- Hybrid and Electric Vehicles	---	
U18AU00021- Automotive Systems	U18AU00021- Automotive Systems	---	
U18AU00022- Vehicle Dealership Management	U18AU00022- Vehicle Dealership Management	---	
U18AU00023- Fuel Cell Technology	U18AU00023- Fuel Cell Technology	---	

Course Code and Name		BOS Recommendation	Remarks
Regulation 2017	Regulation 2018		
U17AUA0006-Design of Automotive ECU (Electronic Control Unit)	U18AUA0006-Design of Automotive ECU (Electronic Control Unit)	One Credit Courses	
U17AUA0011-Overview of Motorsports Engineering	U18AUA0011-Overview of Motorsports Engineering		
U17AUA0002-Automotive Styling	U18AUA0002-Automotive Styling		
U17AUA0003-Electronic Engine Management Systems	U18AUA0003-Electronic Engine Management Systems		
U17AUA0004-Intellectual Property Rights	U18AUA0004-Intellectual Property Rights		
U17AUA0005-Vehicle Maintenance	U18AUA0005-Vehicle Maintenance		
U17AUA0006-Lean Manufacturing	U18AUA0006-Lean Manufacturing		



Mr. J D Andrew Pon Abraham
AP-IP Auto /ECU
BOS Convener



Dr. S John Alexis
Professor and Head
Department of Automobile Engineering
BOS Chairman



**KUMARAGURU COLLEGE OF
TECHNOLOGY**
DEPARTMENT OF AUTOMOBILE ENGINEERING
Seventh Board of Studies Meeting

MINUTES OF MEETING

Ref No. KCT/AUTO/ BOS07/2017 -18/01
Prepared by: J D Andrew Pon Abraham,
AP-II/Auto
Issued By: Dr S John Alexis , HOD /Auto
Issue Date: 19 March 2017
Page Number: 1 of 14

Date:	17 March 2018	Time:	10.00 AM to 01.00 PM	Venue:	Conference Hall, E-Block, Dept of Automobile Engineering
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PARTICIPANTS OF THE MEETING

Sr. No	Name & Designation	Organization / Institute	Sr. No	Name & Designation	Institute
1.	Dr. S Jegadheeswaran Professor Anna University Nominee	Dept of Automobile Engg. Bannari Amman Institute of Technology	14.	Mr. J. D. Andrew Assistant Professor II (Convener, BOS)	Dept. Automobile Engg. KCT
2.	Dr. M. Leenus Jesu Martin Professor & Head Academic Expert	Department of Automobile Engg. SRM University.	15.	Mr. T. Karthik Assistant Professor	Dept. Automobile Engg. KCT
3.	Dr. P. Karthikeyan Professor Academic Expert	Department of Automobile Engg., PSG College of Technology	16.	Mr J Salganesh Assistant Professor	Dept. Automobile Engg. KCT
4.	Mr. M. Manivannan Industry Expert	Principal Consultant, Nina Design, Chennai.	17.	Mr. S. Satish Assistant Professor	Dept. Automobile Engg. KCT
5.	Mr. A Sasi Kumar Senior Engineer, Industry Expert	Jayem Automotives, Coimbatore.	18.	Mr. G. Rajkumar Assistant Professor	Dept. Automobile Engg. KCT
6.	Mr. S.C.Sridhar Dy. General Manager- COMM (KCT Alumni/ Mech. 1984)	Mahindra & Mahindra Ltd., Mahindra Research Valley	19.	Mr R Kishore Assistant Professor	Dept. Automobile Engg. KCT
7.	Mr. P. Manikandan, Department Head Engineering Solutions, Industry Expert	Electric Power Train, ROBERT BOSCH.	20.	Mr. C. Naveen Kumar Assistant Professor	Dept. Automobile Engg. KCT
8.	Dr. Vijay Prakash J HOD	Dept. Automobile Engg. KCT	21.	Mr. A. Prabhakaran Assistant Professor	Dept. Automobile Engg. KCT
9.	Dr. Vinohar Stephen Raphael Head Academic Innovations	Dept. Automobile Engg. KCT	22.	Dr S Mohankumar Assistant Professor II	Dept. Automobile Engg. KCT
10.	Dr. S. John Alexis Professor, (Chairman, BOS)	Dept. Automobile Engg. KCT	23.	Dr. N. Sangeetha Associate Professor	Dept. Mechanical Engg. KCT
11.	Prof. C. Vasantharaj Professor	Dept. Automobile Engg. KCT	24.		
12.	Mr. S. Sivakumar Associate Professor	Dept. Automobile Engg. KCT			
13.	Dr. G. Thenmozhi Assistant Professor (SRG)	Dept. Automobile Engg. KCT			

Minutes of the Seventh Board of Studies Meeting held on 17.03.2018:

The Seventh meeting of Board of Studies for the B.E. (Automobile Engineering) Programme of the Department of Automobile Engineering for the Academic year 2017 – 2018 was held on Saturday, 17th Mar 2018 in Automobile Dept. conference hall, E block, KCI with following objective.

- To review and recommend the changes made in the curriculum of 3rd to 8th Semester under 2017 Regulation for B.E. Automobile Engineering Program, framed during the 6th BOS meeting held on 5th July 2017.
- To discuss on framing of curriculum and syllabus for 3rd & 4th Semester under the Regulation 2017, 1st & 2nd semester under the Regulation 2018 of B.E. (Automobile Engineering) programme.
- To frame and recommend the curriculum for 5th to 8th Semester under 2017 Regulation, 3rd to 8th Semester under 2018 Regulation for B.E. Automobile Engineering Program considering the requirements of industry.

The Chairman welcomed the members and explained the various aspects of University and Autonomous requirements. Convener presented on the proposed curriculum and syllabus under the regulation 2017 and 2018.

Regulation 2017 & 2018

BOS members reviewed and recommended the following changes for the curriculum of 3rd to 8th Semester under 2017 Regulation for B.E. Automobile Program, which was framed during the 6th BOS meeting held on 5 July 2017.

BOS Members recommended the curriculum and syllabi for 3rd & 4th Semester under the Regulation 2017 1st & 2nd semester under the Regulation 2018 of B.E. (Automobile Engineering) programme as given below.

BOS Members also recommended the curriculum for 5th to 8th Semester under 2017 Regulation, 3rd to 8th Semester under 2018 Regulation for B.E. Automobile Engineering Program as given below.


The Highlights of the points discussed and recommendations of the board members are summarized below. The recommended curriculum under R.2017 and 2018 is given in the Annexure – I

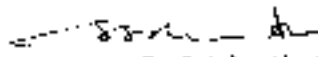
Course	Points discussed	BOS Recommendations
Regulation 2018		
Semester 1		
Introduction to Mechanics	Suggested to modify the course title as Engineering Physics	Course title modified as Engineering Physics
Engineering clinics	<ul style="list-style-type: none"> • Maximum and Minimum No of students in a Project Group to be included in the regulation. • Needs prerequisite knowledge. 	Corresponding Engineering clinic subject should be offered in a semester prior to the activity
Semester 2 – No Change		
Regulation 2017 and 2018		
Semester 3		

Course	Points discussed	BOS Recommendations
Automotive Chassis	Add Automotive Transmission course contents	Course title modified as Automotive Drive System
Engineering Thermodynamics	<ul style="list-style-type: none"> Course title can be changed as "Thermodynamics and Thermal Engineering" and include Gas Power Cycle, Air Compressor, Refrigeration and Air Conditioning. Also suggested to remove Thermal Engineering and Heat transfer course in fourth Semester and include Vehicle Body Engineering Course. 	Course title modified as Thermodynamics and Thermal Engineering
Semester 4		
Automotive Engines	<ul style="list-style-type: none"> Combine SI and CI engine course module contents and reduce Lecture hrs to 5 hrs include Clutch and gearbox 	Course title modified as Automotive Powertrain
Introduction to Fluid Mechanics	Include fluid machinery module	Course title modified as Fluid Mechanics and machinery
Semester 5		
ORIDE	Categorize under open elective as per AICTE Norms and also under a particular AICTE domain.	
Open Elective	As per new AICTE norms, students can choose open Electives either technical or emerging subjects within the department or outside	
Professional Elective	<p>The students can select professional electives from different domain depending on the specialization they wish to acquire.</p> <p>Awareness program for students to be conducted for selecting specialization before starting Professional Elective Course.</p> <p>A written consent is taken from the student based on his domain choice, so he will be offered elective in that domain only.</p> <p>If a student feels any difficulty in the domain chosen by him he will come under a generic category offering other electives without any specialization</p>	
Semester 6 – No Change		
Semester 7		
Total Quality Management	Include Project Management Course Content (TQM – 3 units and PM- 2 Units)	Course title modified as Total Quality Management and Project Management
Semester 8 – No Change		
Professional Elective		
Automotive Design		
Finite Element Analysis		Offered as P.E-II
Engine Design	Rename as "Design of Engine Components"	Offered as P.E-I
Chassis Design	Rename as "Design of Chassis Components"	Offered as P.E-III
Geometric Dimensioning and Tolerance		Offered as P.E-IV

Course	Points discussed	BOS Recommendations
Computational Fluid Dynamics		
Design of Automotive Thermal Systems	Heat transfer topics to be incorporated in the syllabus	Offered as P.E-V
Vehicle Design Data Characteristics		
Computer Simulation of IC Engine Processes		
Automotive Styling		
Automotive Manufacturing –No change		
Automotive Components Manufacturing		Offered as P.E-I
Unconventional Machining Processes		Offered as P.E-II
Composite Materials and Structures		
Computer Integrated Manufacturing		Offered as P.E-IV
Additive Manufacturing and Tooling		
Design of Jigs, Fixtures and Press tools		
Rapid Prototyping and Tooling		Offered as P.E-IV
Process Planning and Cost Estimation		
Design For Manufacturing and Assembly		Offered as P.E-III
Automotive Electrical and Electronics –No change		
Model Based System Design and Simulation for Automotive		Offered as P.E-I
Electronic Engine Management System		Offered as P.E-II
Virtual Instrumentation		
Automotive Systems		
Fuel Cell Technology		Offered as P.E-V
Automotive Communication Protocols		Offered as P.E-IV
Automotive on Board Diagnostics		Offered as P.E-II
Automotive Power Electronics		
Intelligent Vehicle Technology		
Management –No change		
Entrepreneurship Development		
Product Design and Development		Offered as P.E-IV and P.E-V based on student preference
Quality Control and Reliability		

Course	Points discussed	BOS Recommendations
Vehicle Transport Management		
Principles of Management		
Intellectual Property Rights, Innovation and Technology		
Professional Ethics		
Operation Research		
Automotive Technology		
Alternate Fuels and Energy Systems		
Off Road Vehicles		
Tire Technology		
Hydraulic & Pneumatic Systems in Automotive Vehicles		offered as P.E IV and P.E V based on student preference
Automotive HVAC		
Vehicle Troubleshooting and Maintenance		
Vehicle Testing and Validation	NVH is to be incorporated in the syllabus	
Open Elective –No change		
Automotive Engineering		
Electric and Hybrid Vehicles		
Automotive Systems		
Vehicle Dealership Management		
Fuel Cell Technology		
Automotive Styling		


 Mr. J.D. Andrew Abraham
 Convener, BOS


 Dr. S. John Alexis
 Chairman, BOS



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and
Accreditation Council)

IA^{GRADE}++

Artificial Intelligence and Data Science



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and Accreditation Council)

IA^{GRADE}++

Artificial Intelligence and Data Science

Sl. No.	Date of Board of Studies meeting
1.	25.07.2022
2.	17.12.2021
3.	12.06.2021
4.	18.11.2020



KUMARAGURU COLLEGE OF TECHNOLOGY

COIMBATORE– 641 049

(An Autonomous Institution Affiliated to Anna University, Chennai)

MINUTES OF BOARD OF STUDIES MEETING

Department: Artificial Intelligence & Data Science

Programme: UG

Venue: Virtual (MS Teams)

Date: 25.07.2022

Time: 10.30 AM

The Virtual Board of Studies meeting for Computer Science and Engineering was held on July 25, 2022 at 10.30 AM. It was chaired by Dr. P. Devaki, Chairman – BoS for B.Tech. Artificial Intelligence and Data Science programme. The Chairman informed that the meeting has been called to review the curriculum and syllabus of 5th and 6th semester 2018 Regulation. The following external members, module coordinators, internal members, and student representatives were present.

Dr. Sudharson D AP/AI&DS presented the framework of the curriculum along with the unique features of B. Tech Artificial Intelligence & Data Science programme. All the external members appreciated the curriculum design and the efforts put in for an innovative curriculum.

External Members

1. Prof. Hema Gopal, Anna University Nominee, Former Vice President, Tata Consultancy Service
2. Prof. Ramachandran V, Ex, Vice-Chancellor, Anna University, Trichy Campus.
3. Dr. Salaja Silas, Associate Professor, Dept. of Computer Technology, Karunya Institute of Technology & Science, Coimbatore.
4. Mr. Praveen Subramani, Principal Engineer, Data Analytics Practice, TEK systems Global Services Pvt Ltd, Bangalore.
5. Mr. Dorai Thodla, Founder & CTO, Technology Strategies LLC.
6. Mr. Sivan Ammamuthu, Delivery Head - FS Switzerland Continental Europe Financial Services.

Dr. P.Devaki	Prof. Hema Gopal	Mr.Sivan Ammamuthu	Prof. Ramachandran V	Dr. Salaja Silas	Mr. Praveen Subramani	Mr. Dorai Thodla,

Module Coordinators



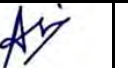

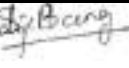

1. Dr. Sudharson D / AI&DS
2. Mr. Bhuvaneshwaran A / AI&DS

Internal Members

1. Dr.P. Devaki, Professor & Head, BoS Chairmam
2. Dr. K. R. Baskaran, Professor/CSE
3. Dr. L. Latha, Professor/CSE
4. Dr. J. Cynthia, Professor
5. Dr. S. Rajini, Associate Professor/CSE
6. Dr. V. P. Sumathi, Associate Professor/CSE
7. Dr. E. A. Vimal, Associate Professor/CSE
8. Dr. S. J. Syed Ali Fathima, Assistant professor/CSE
9. Ms. V. Sudha, AP-II, BOS Convener
10. Ms. S. Nithya Roopa, AP
11. Ms. D. Aswini, AP
12. Mr. V. Senthil Kumar, AP
13. Ms. X. Francis Jency, AP
14. Mr. G. Kanagaraj, AP
15. Ms. D. Yamunathangam, AP
16. Ms. S. Uma Maheswari, AP
17. Ms. N. Jeba, AP
18. Mr. R. Kirubakaran, AP
19. Dr. D. Sudharson, AP
20. Mr. A. Bhuvaneshwaran, AP
21. Ms. P. Antony Seba, AP
22. Ms. M. Sri Geetha, AP

Student Representatives

1. Ms. Swetha (20BAD044)
2. Mr. Thoufiq (20BAD046)



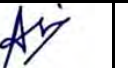

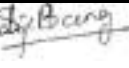


					Praveen Subramani	
Dr. P.Devaki	Prof. Hema Gopal	Mr.Sivan Ammamuthu	Prof. Ramachandran V	Dr. Salaja Silas	Mr. Praveen Subramani	Mr. Dorai Thodla,

Dr. V. Sudha, BoS convenor inaugurated the BoS meeting. Dr. P. Devaki, BoS chairman welcomed and introduced the BoS members for the 20th BoS meeting of the Department of Computer science and Engineering. She handed over the presentation to Dr.D.Sudharson . He started the presentation with a brief introduction to the Program Educational Objectives, Program Specific Outcomes, Program Outcomes, of B.Tech – Artificial Intelligence and Data Science. He explained the highlights of the R18 curriculum and presented the curriculum and syllabi of semester 5 & 6 to the members.

Finally, the meeting ended with a vote of thanks by Dr. V. Sudha, BoS convenor. The Chairman thanked all the members for their suggestions and substantial inputs provided in the meeting. The following are the suggestions given by the members.

Syllabus updation and relevance to industrial, career requirement

1. Prof. V. Ramachandran suggested the course title for U18AIT5004 - Marketing 101 offered in semester 5 can be altered either as Marketing fundamentals or Marketing for Beginners. Dr. Hema Gopal also agreed for the same.
2. Prof. V. Ramachandran suggested the course title for U18AII5203 - Data Analysis offered in semester 5 can be altered as Exploratory Data Analysis and to refine the course outcomes accordingly.
3. Prof. V. Ramachandran suggested that the courses Industrial Automation Using AI and Industrial Robotics using AI can be clubbed together and proposed as Industrial Internet of Things with course content focusing on the fundamentals of sensors and actuators.
4. Prof. V. Ramachandran suggested that the courses U18AIE*003 – Computer Vision with Convolutional Neural Network to be altered as either Computer Vision Techniques or Advanced Computer Vision.
5. Prof. V. Ramachandran suggested to incorporate Reinforcement Learning as core course in any of the semester.
6. Dr. Salaja Silas suggested to remove or use blogs as references with proper rights and permissions. She also emphasized to include IoT in course content.
7. The BoS members gave an overall comment on credit assignment, year of publication to added for all the references. They also suggested that few elective courses like Natural Language Processing and Computer Vision can be made as core courses.

						
Dr. P.Devaki	Prof. Hema Gopal	Mr.Sivan Ammamuthu	Prof. Ramachandran V	Dr. Salaja Silas	Mr. Praveen Subramani	Mr. Dorai Thodla,

8. Prof. V. Ramachandran suggested that U18AII6202 – Startup Fundamentals can be made as elective or value-added course instead of providing it as core course in semester 6.

Course Delivery - Mode and effectiveness:

1. Mr. Dorai Thodla informed to publish student works in github or other related forums to enhance the opportunities of internship. He also added that laboratory experiments can be given such that they get adequate exposure to industry problems.

Student's knowledge and skill development

1. Prof. Hema Gopal inquired and appreciated the student outcomes from semesters I to IV through scopus publications, patent submissions and connecting themselves with startup organizations. She also suggested the faculty knowledge base and preparedness should also be ensured before handling courses.
2. Prof. Hema Gopal suggested that disruptive technologies to be given for both students' and faculty members through various events and the laboratory infrastructure should be ensured.
3. Mr. Dorai Thodla suggested that Transformers can also be added as it is widely practiced in industry.

Faculty and support faculty development / training:

1. Prof. V. Ramachandran suggested that faculty members can take up online courses through NPTEL and NPTEL Swayam courses to enhance their skills in respective areas. Dr. P. Devaki informed that the faculty members undergo training and sabbatical programme to ensure the same. Ms. S. Uma Maheswari, shared her sabbatical experience and its outcome in the forum.
2. Mr. Dorai Thodla thrown lights upon the concepts such as travelling tutors, code walk throughs, workshops to enhance teaching learning process.

S. Devaki.

Dr. P. Devaki,

HoD/CSE and BoS Chairman





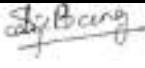

<i>S. Devaki.</i>	<i>Hema</i>	<i>AS</i>	<i>Rmb</i>	<i>Salaja</i>	Praveen Subramani	<i>Dorai</i>
Dr. P.Devaki	Prof. Hema Gopal	Mr.Sivan Ammamuthu	Prof. Ramachandran V	Dr. Salaja Silas	Mr. Praveen Subramani	Mr. Dorai Thodla,


Distribution

1. All members-with request to give their comments on the minutes
2. Convener

Copy for kind information

1. Chairman-Academic Council and Principal
2. Correspondent
3. Joint Correspondent

					Praveen Subramani	
Dr. P.Devaki	Prof. Hema Gopal	Mr.Sivan Ammamuthu	Prof. Ramachandran V	Dr. Salaja Silas	Mr. Praveen Subramani	Mr. Dorai Thodla,

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF AI&DS 3rd Board of Studies Meeting	Ref No. KCT/AI&DS/BOS3/2021-2022
		Prepared by: Dr.Sudharson D Issued By: Dr.P.Devaki Issue Date: 17 Dec 2021
	MINUTES OF MEETING	Page Number: 1 of 3

Date:	17 December 2021	Time:	10.00 AM to 11.30 AM	Online	Microsoft Teams
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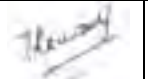
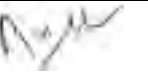

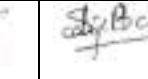

Participants of the meeting


External Panel Members

1. Prof. Hema Gopal, Anna University Nominee, Former Vice President, Tata Consultancy Service
2. Dr. P. Santhi Thilagam, Professor, Department of Computer Science and Engineering, National Institute of Technology, Surathkal.
3. Prof. Ramachandran V, Ex, Vice-Chancellor, Anna University, Trichy Campus
4. Dr. Salaja Silas, Associate Professor, Dept. of Computer Technology, Karunya Institute of Technology & Science, Coimbatore
5. Mr. Praveen Subramani, Principal Engineer, Data Analytics Practice, TEK systems Global Services Pvt Ltd, Bangalore
6. Mr. Dorai Thodla, Founder & CTO, Technology Strategies LLC

Internal Panel Members

1. Dr. Sudharson D BOS Convener/AI&DS
2. Mr. Bhuvaneshwaran A / AI&DS
3. Dr. K. R. Baskaran, Professor/CSE
4. Dr. L. Latha, Professor/CSE
5. Dr. S. Rajini, Associate Professor/CSE
6. Dr. V. P. Sumathi, Associate Professor/CSE
7. Dr. S. J. Syed Ali Fathima, Assistant professor/CSE
8. Dr. P. Devaki, Professor & Head, BoS Chairman
9. Dr. J. Cynthia, Professor/CSE
10. Dr. N. Suganthi, Professor/CSE
11. Dr. D. Sathya, AP-II/CSE
12. Dr. V. Sudha, AP-II,
13. Ms. C. Bharathi Priya, AP/CSE

					Praveen Subramani	
Dr. P.Devaki	Prof. Hema Gopal	Dr.P.Santhi Thilagam	Prof. Ramachandran V	Dr. Salaja Silas	Mr. Praveen Subramani	Mr. Dorai Thodla,

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF AI&DS 3rd Board of Studies Meeting	Ref No. KCT/AI&DS/BOS3/2021-2022
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	MINUTES OF MEETING	Page Number: 2 of 3

14. Mr. S.P. Siddique Ibrahim, AP/CSE
15. Ms. S. Nithya Roopa, AP/CSE
16. Ms. D. Aswini, AP/CSE
17. Mr. V. Senthil Kumar, AP/CSE
18. Ms. X. Francis Jency, AP/CSE
19. Mr. G. Kanagaraj, AP/CSE
20. Ms. N. Jeba, AP/CSE
21. Mr. R. Kirubakaran, AP/CSE
22. Dr. S. Selvanayagi, AP (SRG)/SFS

Student Representatives

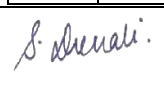
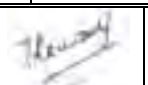
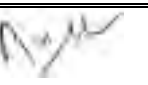

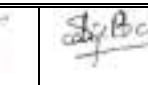

1. Ms. Nithyashree NK (20BAD026)
2. Mr. Aswin Karthikeyan (20BAD007)


Highlights: Innovations in Teaching Pedagogy

MINUTES OF MEETING & ACTION POINTS

Codes: A: Action C: Comment D: Decision R: Recommendation

S.NO	CODE	DESCRIPTION & DISCUSSION POINTS
1.	C, D	<ul style="list-style-type: none"> Dr. P. Devaki, BoS chairman welcomed and introduced the BoS members for the 3rd BoS meeting of the AI&DS. Dr. Sudharson D, BoS Convener presented the innovations in teaching pedagogy
2.	R, D	<ul style="list-style-type: none"> Prof. Ramachandran V appreciated the practice of using replit and hackerrank for training students and suggested to involve more hands on process
3.	R, C	<ul style="list-style-type: none"> Dr. P. Santhi Thilagam shared the importance of using online tools for creative learning and shared her thoughts of having Youtube channel.
4.	R	<ul style="list-style-type: none"> Mr. Dorai Thodla advised to purchase the licensed version of the online tools to ensure more experiential learning

					Praveen Subramani	
Dr. P. Devaki	Prof. Hema Gopal	Dr. P. Santhi Thilagam	Prof. Ramachandran V	Dr. Salaja Silas	Mr. Praveen Subramani	Mr. Dorai Thodla,

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF AI&DS 3rd Board of Studies Meeting	Ref No. KCT/AI&DS/BOS3/2021-2022
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	MINUTES OF MEETING	Page Number: 3 of 3

5.	R	<ul style="list-style-type: none"> Prof. Hema Gopal highlighted the influence of placement for students and shared her thoughts on employability
6.	C	<ul style="list-style-type: none"> Finally, the meeting ended with a thank you note by Dr. P. Devaki, BoS-Chairman. The Chairman thanked all the panel members for their valuable suggestions and contributions.

S. Devaki.

Dr.P.Devaki
BoS-Chairman and HOD/CSE

<i>S. Devaki.</i>	<i>Hema Gopal</i>	<i>Dr. P. Santhi</i>	<i>Rmb</i>	<i>Dr. Salaja Silas</i>	Praveen Subramani	<i>Dorai</i>
Dr. P.Devaki	Prof. Hema Gopal	Dr.P.Santhi Thilagam	Prof. Ramachandran V	Dr. Salaja Silas	Mr. Praveen Subramani	Mr. Dorai Thodla,

**KUMARAGURU COLLEGE OF TECHNOLOGY****COIMBATORE– 641 049****(An Autonomous Institution Affiliated to Anna University, Chennai)****MINUTES OF BOARD OF STUDIES MEETING****Department: Artificial Intelligence & Data Science****Program: UG****Venue: Virtual (Ms Teams)****Date: 12.06.2021****Time: 09.30 AM**

The Virtual Board of Studies meeting for Computer Science and Engineering was held on June 12, 2021 at 09.30 A.M. It was chaired by Dr. P. Devaki, Chairman – BoS for B.E. Computer Science and Engineering Programme. The Chairman informed that the meeting has been called to review the curriculum and syllabus of 3rd and 4th semester 2018 Regulation. The following external members, module coordinators, internal members, and student representatives were present.

Dr. Sudharson D AP/AI&DS presented the framework of the curriculum along with the unique features of B. Tech Artificial Intelligence & Data Science Programme. All the external members appreciated the curriculum design and the efforts put in for an innovative curriculum.

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1. Prof. Hema Gopal, Anna University Nominee, Former Vice President, Tata Consultancy Service
2. Prof. Ramachandran V, Ex, Vice-Chancellor, Anna University, Trichy Campus.
3. Dr. P. Santhi Thilagam, Professor, Department of Computer Science and Engineering, National Institute of Technology Surathkal.
4. Dr. Salaja Silas, Associate Professor, Dept. of Computer Technology, Karunya Institute of Technology & Science, Coimbatore.
5. Mr. Arun Pratap A, Specialist, Robert Bosch Engineering and Business Solutions, Coimbatore.
6. Mr. Praveen Subramani, Principal Engineer, Data Analytics Practice, TEK systems Global Services Pvt Ltd, Bangalore.
7. Mr. Dorai Thodla, Founder & CTO, Technology Strategies LLC.
8. Mr. Gokul Kumar K, Co-founder & CTO, Vusar, California Executive Consultant, Forge.

9. Mr. Sivan Ammamuthu, Delivery Head - FS Switzerland Continental Europe Financial Services.

Module Coordinators

1. Dr. Sudharson D / AI&DS
2. Mr. Bhuvaneshwaran A / AI&DS

Internal Members

1. Dr.P. Devaki, Professor & Head, BoS Chairmam
2. Dr. K. R. Baskaran, Professor/CSE
3. Dr. L. Latha, Professor/CSE
4. Dr. J. Cynthia, Professor
5. Dr. S. Rajini, Associate Professor/CSE
6. Dr. V. P. Sumathi, Associate Professor/CSE
7. Dr. E. A. Vimal, Associate Professor/CSE
8. Dr. S. J. Syed Ali Fathima, Assistant professor/CSE
9. Dr. D. Sathya, AP-II
10. Ms. V. Sudha, AP-II, BOS Convener
11. Mr. S.P. Siddique Ibrahim, AP
12. Ms. S. Nithya Roopa, AP
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14. Mr. V. Senthil Kumar, AP
15. Ms. X. Francis Jency, AP
16. Mr. G. Kanagaraj, AP
17. Ms. D. Yamunathangam, AP
18. Ms. S. Uma Maheswari, AP
19. Ms. N. Jeba, AP
20. Mr. R. Kirubakaran, AP
21. Dr. S. Selvanayaki, Assistant Professor (SRG), Department of Science and Humanities,
Kumaraguru College of Technology

Student Representatives

1. Ms. Swetha (20BAD044)
2. Mr. Thoufiq (20BAD046)

Dr. P. Devaki, BoS chairman welcomed and introduced the BoS members for the 18th BoS meeting of the Department of Computer science and Engineering. She handed over the presentation to Dr.D.Sudharson . He started the presentation with a brief introduction to the Program Educational Objectives, Program Outcomes, Program Specific Outcomes of B.Tech – Artificial Intelligence and Data Science. He explained the highlights of the R18 curriculum and presented the curriculum to the members.

Finally, the meeting ended with a vote of thanks by Dr. P. Devaki, BoS-Chairman. The Chairman thanked all the members for their suggestions and substantial inputs provided in the meeting. The following are the suggestions given by the members.

Curriculum - balance of courses as per domain, pre-requisites

1. Prof. V. Ramachandran suggested that the syllabus of Applied machine learning can be reduced, and topics related to fuzzy inference can be ignored. He also narrated that prerequisite for certain courses should be ensured.
2. Prof. Hema Gopal suggested including more case studies and she appreciated the overall industry-oriented syllabus. Also, she suggested that certain software-oriented tools for finance and accounting could be introduced in higher semesters.
3. Prof. V. Ramachandran and Dr. P. Santhi Thilagam suggested that Theory of Computation can be offered as an elective in higher semesters. They also suggested that courses like computing infrastructure can be brought in.
4. Mr. Dorai Thodla suggested that the fundamentals must be concentrated, and even simpler version of the syllabus must be given so that it ensures maximum learning for the students.
5. BoS members insisted on ensuring the credits and related credentials for all the subjects.
6. Dr. Salaja Silas informed that an outline about the practical component could be added for all the courses.
7. The members appreciated for adding courses related to economics and finance in third and fourth semesters.
8. Mr. Arun Pratap A suggested that more time could be spent on the basics of Applied Machine learning in which the foundational courses can be instructed.

Syllabus updation and relevance to industrial, career requirement

1. Prof. Ramachandran V. suggested that Neural Network and Deep Learning courses can reduce its content and more industry-oriented concepts can be brought in.
2. Mr.Gokul suggested that applied machine learning course can be brought to fourth semester and Deep Learning and Neural Network courses can be moved to fifth semester
3. Theory of computation is fixed as an elective course that will be offered in fifth semester.
4. Prof. Hema Gopal suggested that courses can be supported with more industry relevant tools such as kaggle, kubernetes and dockers.
5. Courses like Data Mining and Modeling and Deep Learning & Neural Networks are made as four credit courses with respect to the suggestions.
6. Experts suggested that an awareness about the course should be formulated that helps the students to understand the needs about a course.
7. Dr. P. Santhi Thilagam suggested that few courses can be renamed with respect to the industrial applications.

Course Delivery - Mode and effectiveness:

1. Mr. Dorai Thodla and Mr. Gokul suggested that possible courses should be articulated with help of online tools like repl.it, Github and others.

Student's knowledge and skill development

Students must be encouraged to ensure maximum learning in terms of Engineering Sprints, Innovation Sprints, Ideation Sprints to ensure creativity and continuous learning.

Faculty and support faculty development / training:

The list of thrust areas and the faculty specialization must be identified, and the respective faculty should be trained enough on the courses.



Dr.P.Devaki,

HoD/CSE and BoS Chairman

Name	Signature
Prof. Hema Gopal (Anna University Nominee)	
Prof. Ramachandran. V (Academic Expert)	
Dr. P. Santhi Thilagam (Academic Expert)	
Dr. Salaja Silas (Academic Expert)	
Mr. A. Arun Pratap (Expert from Industry)	
Mr. Praveen Subramani (Expert from Industry)	Praveen Subramani
Mr. Dorai Thodla (Expert from Industry)	Dorai
Mr. Gokul Kumar.K (Expert from Industry)	gokul kolandavel
Mr. Sivan Ammamuthu (Industry Expert)	
Dr. S. Selvanayagi (Faculty member from allied department)	

Distribution

- 1.All members-with request to give their comments on the minutes
- 2.Convener

Copy for kind information

- 1.Chairman-Academic Council and Principal
- 2.Correspondent
- 3.Joint Correspondent

**KUMARAGURU COLLEGE OF TECHNOLOGY****COIMBATORE– 641 049****(An Autonomous Institution Affiliated to Anna University, Chennai)****MINUTES OF BOARD OF STUDIES MEETING**
-----**Department: ARTIFICIAL INTELLIGENCE AND DATA SCIENCE****Program: UG****Venue: Virtual (Ms Teams)****Date: 18.11.2020****Time: 11.00 AM**

The Virtual-Board of Studies meeting for Artificial Intelligence and Data Science Programme was held on November 18, 2020 at 11.00 AM. It was chaired by Dr. P. Devaki, Chairman – BoS for B.E. Computer Science and Engineering Programme. The following external members, internal members and student representatives were present.

External Members

1. Prof. Hema Gopal, Former Vice President, Tata Consultancy Service
2. Prof. Ramachandran V, Ex, Vice-Chancellor, Anna University, Trichy Campus
3. Dr. Salaja Silas, Associate Professor, Dept. of Computer Technology, Karunya Institute of Tech & Sciences
4. Mr. Praveen Subramani, Principal Engineer, Data Analytics Practice, TEK systems Global Services Pvt Ltd, Bangalore
5. Mr. Dorai Thodla, Founder & CTO, Technology Strategies LLC
6. Mr. Derick Jose, Founder, Flutura Decision Sciences
7. Mr. Gokul Kumar.K, Co-founder & CTO, Vusar, California Executive Consultant, Forge

Internal Members

1. Dr. P. Devaki, Professor & Head - BoS Chairmam
2. Dr. J. Cynthia, Professor/CSE
3. Dr. K. R. Baskaran, Professor/CSE
4. Dr. L. Latha, Professor/CSE
5. Dr. S. Rajini, Associate Professor/CSE
6. Dr. E. A. Vimal, ASP/CSE
7. Dr. D. Sathya, AP-II/CSE
8. Ms. C. Bharathi Priya, Assistant Professor-II/CSE
9. Ms. V. Sudha, AP-II/CSE, BOS Covener

18.11.2020

Venue: Virtual(MS Teams)

10. Mr. S.P. Siddique Ibrahim, AP/CSE
11. Ms. S. Nithya Roopa, AP/CSE
12. Ms. D. Aswini, AP/CSE
13. Mr. V. Senthil Kumar, AP/CSE
14. Ms. X. Francis Xency, AP/CSE
15. Mr. G. Kanagaraj, AP/CSE
16. Ms. D. Yamunathangam, AP/CSE
17. Ms. S. Uma Maheswari, AP/CSE
18. Ms. N. Jeba, AP/CSE
19. Mr. R. Kirubakaran, AP/CSE
20. Dr. S. J. Syed Ali Fathima, AP/CSE
- 21.** Dr. S. Selvanayaki, Assistant Professor (SRG), Department of Science and Humanities,
Kumaraguru College of Technology
- 22.** Dr. D. Saravanan, Dean, Kumaraguru College of Technology

The Chairman welcomed all the external and internal members for the meeting and informed that the meeting has been called to review the curriculum and syllabus of B.Tech. Artificial Intelligence & Data Science Programme for Semester I and II.

Mr. Gokul Kumar, CTO – Forge and Ms. Lakshmi Meera, Forge presented the framework of the curriculum along with the unique features of B. Tech Artificial Intelligence & Data Science Programme. All the external members appreciated the curriculum design and the efforts put in for an innovative curriculum.

The following suggestions were given by the external members:

1. *Certification Courses*: Prof. Hema Gopal, Prof. V. Ramachandran and Dr. Salaja suggested to refine the list of electives and certification courses. Moreover, clear guidelines should be provided on the list of certification courses that could be taken and on credit equivalence mechanism for students who complete certification courses. Dr. Salaja expressed to move the certification courses to Semester V and VI, which would be helpful for placement and internships. The same was accepted.

2. *Train the Trainer*: Prof. Hema Gopal and Mr. Dorai Thodla suggested to conduct Train the Trainer programs for faculty to enhance their knowledge to handle the advanced courses. Prof. Hema Gopal also shared the importance of including real world problems in the Practicum.
3. Prof. Hema Gopal suggested to consider industries on board to partner the programme and have Centre of Excellence in AI-IoT, Blockchain, Machine Learning and Cloud Computing.
4. *Hierarchy and Serialization of Courses*: Prof. V. Ramachandran and Dr. Salaja expressed their views on whether all the category of students will be able to cope up with the syllabus during the early semesters and suggested to move few courses from Semester II to the later semesters. Prof. V. Ramachandran emphasized that the course Deep Learning and Neural Networks would be overloaded and suggested to distribute the same into two separate courses in the later semesters. Furthermore, he suggested to move Data Mining and Modeling to Semester III. Dr. Salaja suggested that the course Object Oriented Programming and Data Structures would be confusing together and that the course could be divided into two separate courses. Moreover, she suggested to serialize the courses as per the hierarchy and decide on what courses could be offered in parallel in the same semester. It was expressed by Mr. Gokul that the syllabus of the courses in Semester II covers only the fundamental essential topics and multidisciplinary learning approach is followed to provide the breadth of learning opportunities to foster innovation.
5. *Professional Core and Electives*: Prof. V. Ramachandran suggested to have the Professional Core and Professional Electives to cover 60% and the remaining components to cover 40% of the curriculum. Moreover, he expressed to include additional courses such as Exploratory Data Analysis, Statistical Modeling Techniques in Semester III or IV. Prof. Hema Gopal, Prof. V. Ramachandran and Dr. Salaja suggested that additional courses could be introduced in Semester VI and VII and the inclusion would be feasible since AICTE permits to distribute the credits between 160 – 180. Further, they emphasized to finalize the list of courses in the Professional Core and refine the list of Electives. It was expressed by Ms. Lakshmi Meera, Forge that Semester VI involves Protosem, where students would be working to build a product.

Mr. Derick Jose appreciated the concept of Protosem, which would enable students to develop a working product and get placed.

6. Prof. V. Ramachandran suggested that a common syllabus is being followed by many colleges during the first year so that students who obtain transfer need not take up additional bridge courses.
7. *Infrastructure Requirement - Equipment*: Mr. Dorai Thodla expressed the importance of equipment with high processing power for the effective execution of the syllabus in Practicum. The same was accepted and Mr. Gokul Kumar informed that they are in process of setting up a Laboratory with NIVIDA DGX A 100 and other workstations could be incorporated.

Dr. P. Devaki, Chairman – BoS thanked all the members for their suggestions and substantial inputs provided in the meeting. She emphasized that the suggestions would be incorporated, and the draft copy of the minutes would be send to all the external members for comments/approval.



Dr. P. Devaki,
HoD/CSE and Chairman-BoS

Distribution

- 1.All members-with request to give their comments on the minutes
- 2.Convener

Copy for kind information

- 1.Chairman-Academic Council and Principal
- 2.Correspondent
- 3.Joint Correspondent



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and Accreditation Council)

IA^{GRADE}++

Bio-Technology



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and Accreditation Council)

IA^{GRADE}++

Bio Technology

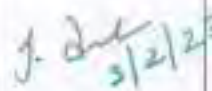
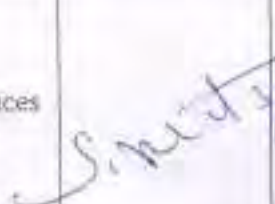



Sl. No.	Date of Board of Studies meeting
1.	03.02.2023
2.	29.06.2022
3.	15.12.2021
4.	10.06.2021
5.	21.11.2020
6.	30.11.2018
7.	22.03.2018



**KUMARAGURU COLLEGE OF TECHNOLOGY
COIMBATORE - 641 049**

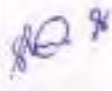
**19th BOARD OF STUDIES MEETING
03, FEB 2023
ATTENDANCE DETAILS OF EXTERNAL MEMBERS**

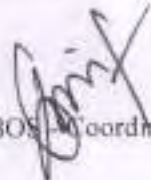
Name of the Board: B.TECH & M.TECH BIOTECHNOLOGY

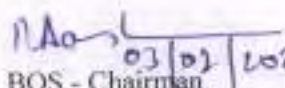
S. No	Name	Designation as per UGC	Designation / Affiliation with full contact details	Signature
1.	Dr. J. Jeyanthi	Anna University Nominee	Professor and Head, Department of Industrial Biotechnology, Govt. College of Technology, Coimbatore Email: jeyanthi@gct.ac.in Mobile: 9843644570	 3/2/23
2.	Dr. Rama Sankar Verma	Subject Expert	Director, MNNIT, Allahabad Email: director@mnnit.ac.in	Online
3.	Dr. S. Venkat Kumar	Subject Expert	Associate Professor, Department of Biotechnology, School of Biological Sciences and Technology, Vellore Institute of Technology, Vellore. Email: venkathkumar@vit.ac.in Mobile: 9894698150	 3/2/23
4.	Dr. Lipin Dev	Subject Expert	Managing Director Vee Tee Ecogreen Pvt Ltd, Angamaly, Kerala Email: lipindev@gmail.com Mobile: 8903621656	 3/2/23
5.	Mrs. R. Sukanya Devi	Special Invitee	Assistant Professor- II Department of Textile Technology, Kumaraguru College of Technology, Coimbatore Mobile: 9003944133 Email: sukanyadevi123@gmail.com	
6.	Mr. N. Dhayariand	Alumni Member- PG	Research Associate, Dept of Chemical Engineering, NIT-Trichy Mobile: 9488389024 Email: dhaya2bio@gmail.com	



**KUMARAGURU COLLEGE OF TECHNOLOGY
COIMBATORE - 641 049**

6.	Mr. Dhilip Kumar	Alumni Member-UG	Research Scientist, Syngene, Bangalore dhilipkumarg12@gmail.com	
7.	Ms. Poompavai	Special Invitee	Department of Biotechnology, Kumaraguru College of Technology, Coimbatore Mobile: 9488994454; Email: abirami.17bt@kct.ac.in	
8.	Ms. Shivani. S	Special Invitee	President, DA-President, Department of Biotechnology, Kumaraguru College of Technology, Coimbatore Mobile: 9894508225 Email: shivani.19bt@kct.ac.in	


BOS - Coordinator

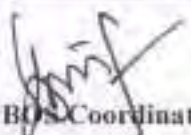

BOS - Chairman 03/02/2023

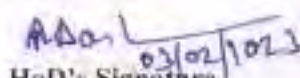


KUMARAGURU COLLEGE OF TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY
COIMBATORE - 641 049

Ref: BT - BOS Meeting – Feb 2023	
Meeting	19 th BOS Meeting – Feb 2023
Date / Time of meeting	03-02-2023 at 09:30 AM – 12.30 PM
Venue	Conference Hall – Dept. of Biotechnology
Panel Members	1. Prof. J. Jeyanthi , Head, Dept. of Biotechnology, GCT-CBE 2. Prof. Rama Sankar Verma , Director, MNNIT, Allahabad 3. Prof. Venkat Kumar , Dept of Biological Sciences & Technology, VIT- Vellore 4. Dr. Lipin Dev , Managing Director, VeeTee Ecogreen Pvt. Ltd, Angamaly, Kerala 5. Mrs. Sukanya Devi , Asst. Prof, Dept of Textile Technology, KCT 6. Mr. Dayanand , Research Scholar, Dept of Chemical Eng., NIT-Trichy 7. Mr. Dhilip Kumar , B.Tech., Biotechnology Alumni 8. Ms. Shivani , DA-President, Biotechnology

Faculty Attendance			
S. No	Name	Designation	Attendance
1.	Dr. R. Baskar	Associate Professor and Head	Present
2.	Dr. P. Ramalingam	Professor	Present Absent
3.	Dr. N. Saraswathy	Professor	Present Absent
4.	Dr. Vinohar Stephen Rapheal	Associate Professor	Present Absent
5.	Dr. K. Kumaresan	Associate Professor	Present
6.	Dr. T. Sathishkumar	Assistant Professor-III	Present
7.	Dr. M. Shanmugaprasanth	Associate Professor	Present
8.	Mr. D. R. Manimaran	Assistant Professor (Sr.G)	Present
9.	Dr. S. Nithyapriya	Assistant Professor-III	Present
10.	Mr. P. Muthukumaran	Assistant Professor-II	Present
11.	Dr. A. Thirumurugan	Assistant Professor -II	Present
12.	Dr. N. Sivarajasekar	Assistant Professor -III	Present
13.	Dr. K. Ram	Assistant Professor -III	Present
14.	Mrs. V. Veerabhuvaneswari	Assistant Professor-I	Present
15.	Dr. K. Kumaravel	Assistant Professor-III	Present
Minutes Recorded by		Mrs. Veerabhuvaneswari, V & Mr. P.Muthukumaran	


BOS Coordinator


HoD's Signature

Copy to: BOS File, Office Documentation

Detailed - Minutes of Meeting - BT - BOS – B.TECH BIOTECHNOLOGY - MINUTE DATED: 03-FEB 2023

S.No	Suggestion by Members	Suggested by
1.	Action taken report for the previous BOS meeting presented	Dr. Ram K
2.	Two New Electives and three 1-credit courses were introduced for UG 1. Biopolymers and their Application - proposed by Dr.N. Saraswathy 2. Structural Biology -proposed by Dr. Ram K 3. MS Excel in Biology -Dr. T. Sathish Kumar 4. Python for Biology - Dr. Ram K 5. Agripreneurship - Dr. N. Saraswathy	Dr. Ram K
3.	Suggestions/ Comments w.r.t the subject was discussed. Introduction of labs in elective to improve the skill of the student recommended. Lab part can be considered as a part of assignment.	Dr. Ram Kumar Verma
4.	Specific Comments: Biopolymers and Thier Application 1. Suggested to rename the subjects to “Biopolymers” 2. Case studies relavent to General Application of Biopolymers in Healthcare to be introduced. Synthesis and Biopolymer Characterization can be covered in Unit 1 with case studies.	Dr. Venkat Kumar, Dr. Jeyanthi
		Dr. A. Thirumurugan and Dr. N. Sivarajasekar
5.	Specific Comments: Structural Biology 1. Suggested to remove overlapping topics from Protein Engineering and Instrumental Method of Analysis. Rather than the instrumentation - case studies on the usage of the instrumentation can be included. 2. Recommendation to include the practical aspects of crystallography was discussed.	Dr. M. Shanmugaprakash, Dr. A. Thirumurugan, Dr. Kumaraevel
		Dr. Ramasankar Verma.
3.	1 Credit course Agripreneurship - 1. Redundancy with Bioentrprenurship elective. Syllabus to be revised. 2. Clarification Assesment- 2 hours. 3. Distribution of hours in each unit to be normalized and 5 units to be presented	Dr. Jeyanthi Dr. Nithyapriya.S Dr. Satish Kumar
4.	1 Credit MS excel in Biology (Lab oriented)- Emphasize on interpretation suggested. Title can redefined. Can be floated in 5 th SEM.	Dr. Lipin Dev, Dr. Venkat Kumar and Dr. Dayanand
5.	1 Credit Python in Biology – Suggestion to include Blended mode of deliver possibility and practical	Mr. P. Muthukumaran

	oriented.	
6.	Suggestion to include Rotational lab in sequence suggested for Project based Learning.	Dr.Lipin Dev Dr. Kumaresan
7.	Suggestion to include organic based farming and medicinal plant based skill based training	Dr. Jeyanthi
8.	Tamil Culture included in curriculum in 1 st year in GCT	Dr. Jeyanthi
9.	NABL certifications suggested for Industry Consultancy projects	Dr. Lipin Dev
10.	Students requested Hands on Programming skills.	Department Association Students
11.	Prerequisite for Cancer Biology to be changed to Cell and Molecular Biology	Department Association Students

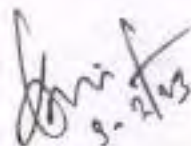
Minuted by : Mrs. V. Veerabhuvaneswari, Mr. P. Muthukumaran and Dr. Ram K

BT

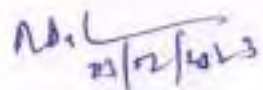
BOS

Signature of the Panel Members

Dr. Ram K - BOS Coordinator - BT


9-2/23

Dr. R. Baskar - Chairman - BOS

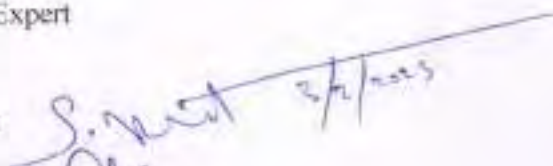

23/02/2023

Dr. J. Jeyanthi - Anna University Nominee


3/2/23

Dr. Rama Sankar Verma, Subject Expert

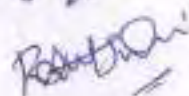
Dr. Venkat Kumar, Subject Expert


3/2/2023

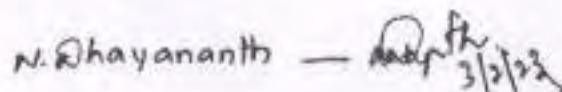
Dr. Lipin Dev, Expert from Industry




Mrs. Sukanya Devi, Special Invitee



Mr. N. Dayananth Alumni -PG

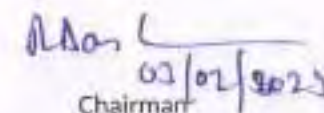

3/2/23

Ms. Shivani S, DA-President, Biotechnology



03, Feb 2023


BOS Coordinator

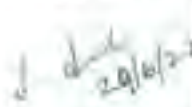

03/02/2023
Chairman




**KUMARAGURU COLLEGE OF TECHNOLOGY
COIMBATORE - 641 049**

**18th BOARD OF STUDIES MEETING
JUNE 29, 2022
ATTENDANCE DETAILS OF EXTERNAL MEMBERS**

Name of the Board: B.TECH & M.TECH BIOTECHNOLOGY

S. No	Name	Designation as per UGC	Designation / Affiliation with full contact details	Digital Signature
1.	Dr. J. Jeyanthi	Anna University Nominee	Professor and Head, Department of Industrial Biotechnology, Govt. College of Technology, Coimbatore	 29/6/22
2.	Dr. Rama Sankar Verma	Subject Expert	Professor, Department of Biotechnology, IIT-Madras	ONLINE
3.	Dr. S. Venkat Kumar	Subject Expert	Associate Professor, Department of Biotechnology, School of Biological Sciences and Technology, Vellore Institute of Technology, Vellore	
4.	Dr. Lipin Dev	Subject Expert	Managing Director Vee Tee Ecogreen Pvt Ltd, Angamaly, Kerala	
5.	Mrs. R. Sukanya Devi	Special invitee	Assistant Professor - I Department of Textile Technology, Kumaraguru College of Technology, Coimbatore	ONLINE
6.	Mr. N. Dhayanand	Alumni Member- PG	Research Associate, Dept of Chemical Engineering, NIT Trichy	ONLINE
6.	Mr. Dilip Kumar	Alumni Member- UG	Research Scientist, Sygene Bangalore	ABSENT
7.	Ms. Poompavai	Special Invitee	DA President Department of BT Kumaraguru College of Technology, Coimbatore	


BOS - Coordinator


BOS - Chairman

KUMARAGURU COLLEGE OF TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Ref: BT - BOS Meeting - June 2022

Meeting	18th BOS Meeting - June 2022
Date / Time of meeting	29-06-2022 at 11.00 AM - 01.00 PM
Venue	Blended Mode - Dept Conference Room
Panel Members	<ol style="list-style-type: none"> 1. Prof. J. Jeyanthi, Head, Dept. of Biotechnology, GCT-CBE 2. Prof. Rama Sankar Verma, Dept of Biotechnology, IITM 3. Prof. Venkat Kumar, Dept of Biological Sciences & Technology, VIT-Vellore 4. Dr. Lipin Dev, Managing Director, VeeTee Ecogreen Pvt. Ltd, Angamaly, Kerala 5. Mrs. Sukanya Devi, Asst. Prof, Dept of Textile Technology, KCT 6. Mr. Dayanand, Research Scholar, Dept of Chemical Eng., NIT-Trichy 7. Mr. Dilip Kumar, B.Tech., Biotechnology Alumni 8. Ms. Poompavai, DA - President

Faculty Attendance

S. No	Name	Designation	Attendance
1.	Dr. R. Baskar	Associate Professor and Head	
2.	Dr. P. Ramalingam	Professor	
3.	Dr. N. Saraswathy	Professor	
4.	Dr. Vinohar Stephen Rapheal	Associate Professor	
5.	Dr. K. Kumaresan	Associate Professor	
6.	Dr. T. Sathishkumar	Assistant Professor-III	
7.	Dr. M. Shanmugaprakash	Associate Professor	
8.	Dr. D. R. Manimaran	Assistant Professor (Sr.G)	
9.	Dr. S. Nithyapriya	Assistant Professor (Sr.G)	
10.	Mr. P. Muthukumaran	Assistant Professor-II	
11.	Dr. A. Thirumurugan	Assistant Professor -I	
12.	Dr. N. Sivarajasekar	Assistant Professor -II	
13.	Dr. K. Ram	Assistant Professor -II	
14.	Mrs. V. Veerabhuvaneshwari	Assistant Professor-I	
15.	Dr. K. Kumaravel	Assistant Professor-I	

Minutes Recorded by:


BOS Coordinator


HoD's Signature



KUMARAGURU
College of Technology
CHENNAI - 600 076

BOARD OF STUDIES MEETING

Department: Biotechnology

Program: B.Tech Biotechnology

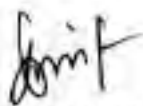
Venue: Conference Room


Date: June 22, 2022

Time: 11:00 AM to 1:00 PM

AGENDA

1. Welcome and introduction by Chairman & BOS-Coordinator
2. Action Taken Report on Previous BoS Meeting - Dec 2021
3. Introduction and Discussion on the R22 Curriculum
4. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)
5. Members inputs towards upgradation of infrastructure-teaching aids to aid content delivery
6. Best Practices followed in (External) Member's Institution
7. Any other matter (with the permission of Chairman, BoS)


Dr. RAM. K
BOS COORDINATOR


BOS-CHAIRMAN



KUMARAGURU
COLLEGE OF TECHNOLOGY
CHENNAI - 600 074

MINUTES OF BOARD OF STUDIES MEETING

Department: BIOTECHNOLOGY

Program: B.TECH BIOTECHNOLOGY

Venue: Conference Room

Date: June 22, 2022

Time: 11.00 AM – 01.00 PM

1. Welcome note and introduction of members by chairperson

Dr. Baskar, Head & Assoc. Prof welcomed the panel members.

2. **Action Taken Report on Previous BoS Meeting**

Highlights of the action taken report for the past BOS meeting was discussed by BOS Coordinator – Dr. Ram K

Suggestions by members: No comments

3. **Members deliberation on perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)**

Suggestions by members:

1. Credits for Engineering Practice Lab to be increased.
2. Course on Introduction to Biotechnology in Sem 2
3. Bridge course for biology and non-biology students
4. Lab allotment in Sem -4
5. Cell Biology and Molecular Biology as separate subjects
6. Removal of Numerical Methods in Sem -4
7. Internship to be moved to later semesters
8. Engineering clinics as domain specific projects
9. Introduction of new electives – Human physiology, NGS and Natural Product Extraction
10. Internship on AI, Blockchain relevant to biology to be introduced

4. **Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery**

Suggestions by members: Nil

5. **Best Practices followed in (External) Member's Institution**

List of best practices was discussed by Dr. Ram K and was appreciated by the external members.

Suggestions by members:

6. **Any other matter**

Suggestions by members: Nil

Detailed - Minutes of Meeting - BT - BOS – June 10, 2021

S.No	Suggestion by Members	Suggested by
1.	Engineering Practices as embedded course will be effective in Semester I	Dr. Venkat Kumar
2.	Suggestions on including the course on Introduction to Biotechnology in Sem -2; Course can be offered as bridge course.	Dr.M. Shanmugaprabaksh and Dr. Ram. K
3.	Bridge course in Mathematics suggested to cope with for non-mathematics background students. Bridge course in Biology suggested for non-biology background students.	Dr. Venkat Kumar
4.	Suggested to check hours as there are 4 labs in semester III.	Dr. Satish Kumar
5.	Suggested if Cell biology can be framed along with Biomolecules in Semester 2.	Dr. Lipin Dev
6.	UIIV is framed with credits as per AICTE norms. Semester I UIIV is workshop mode. A/HV-III in semester III is 3 credits.	Dr. Ram. K
7.	Suggested to have Cell Biology and Molecular Biology as separate subjects. Dr. Ram. K suggested if possibility of shifting Cell biology to semester 2 or to any other semester based on credits. Also suggested to shift it as separate subjects to cover in-depth in semester 3 and semester 4.	Ms. Poornima, Dr. A-BT and Dr. Jayanthi
8.	Numerical Methods can be removed in semester 4.	Dr. Satish Kumar, Dr. Lipin Dev and Dr. Venkat Kumar
9.	Discussed what will be covered in IPR and Biobusiness management introduced in semester 5.	All Faculty
10.	Basic Industrial Biotechnology with process flowsheets can be introduced in semester 2 or 3 subjects.	Dr. Venkat Kumar and Dr. M. Shanmugaprabaksh
11.	Quarried on hours allotted for Fundamentals of Project in workshop mode in semester 6.	Dr. Jayanthi
12.	Internship can be introduced in later semester during summer break or split internship into 2 instead of 3. Internship I can be done in Machine Learning and AI or blockchain based, if to be done in semester 2.	Dr. Venkat Kumar
13.	Human Physiology can be introduced in Electives.	Dr. Satish Kumar
14.	NGS and Natural Product Extraction and purification can be introduced as Lab electives.	Dr. Ramesh Kumar P, Dr. Vinodh

		Stephen and Dr. Venkat Kumar
15.	Specialization elective track and grouping.	Dr. Venkat Kumar and Dr. Jayanthi
16.	50% Engineering clinics framework can be domain specific.	Dr. Kumaravel, K
17.	Bioinformatics to be shifted to semester 6	Ms. Poongovai, DA-BT
18.	Mushroom cultivation and Energy recovery can be offered in open electives offered to other branches and include in curriculum	Dr. Jeyanthi
19.	Instead of one internship credit can be converted to mandatory industrial visit	Ms. Poongovai, DA-BT
20.	Industrial visit report to be submitted and evaluated with rubrics if introduced instead of internship.	Dr. Jayanthi
21.	Other than Industrial visit to be permitted for batch of students.	Dr. Kumaravel


BOS - Coordinator


BOS - Chairman

Dr. R. Balakrishnan, M.Sc., Ph.D.
Associate Professor & Head,
Department of Biotechnology,
Marudurai College of Engineering,
Coimbatore - 641 003
Email: balakrishnan@marudurai.ac.in



**KUMARAGURU COLLEGE OF TECHNOLOGY
COIMBATORE - 641 049**

**17th BOARD OF STUDIES MEETING
DEC 15, 2021**

ATTENDANCE DETAILS OF EXTERNAL MEMBERS

Name of the Board: B.TECH & M.TECH BIOTECHNOLOGY

S. No	Name	Designation as per UGC	Designation / Affiliation with full contact details	Digital Signature
1.	Dr. J. Jeyanthi	Anna University Nominee	Professor and Head, Department of Industrial Biotechnology, Govt. College of Technology, Coimbatore Email: jeyanthi@gcet.ac.in Mobile: 9843644570	
2.	Dr. Rama Sankar Verma	Subject Expert	Professor, Department of Biotechnology, IIT-Madras	
3.	Dr. S. Venkat Kumar	Subject Expert	Associate Professor, Department of Biotechnology, School of Biological Sciences and Technology, Vellore Institute of Technology, Vellore. Email: venkatkumars@vit.ac.in Mobile: 9894698150	
4.	Dr. Lipin Dev	Subject Expert	Managing Director Vee Tee Ecogreen Pvt Ltd, Angamaly, Kerala Email: lipindev@gmail.com Mobile: 8903621656	
5.	Mrs. R. Sukanya Devi	Special Invitee	Assistant Professor-I Department of Textile Technology, Kumaraguru College of Technology, Coimbatore Mobile: 9003944133 Email: sukanyadevi.r.txt@kct.ac.in	
6.	Mr. N. Dhayanand	Alumni Member-PG	Research Associate, Dept of Chemical Engineering, NIT-Trichy Mobile: Email: 9488389024 dhaya2bio@gmail.com	
6.	Mr. Dhilip Kumar	Alumni Member-UG	Senior Research Associate Syngene International Ltd Bangalore Mobile: 9894665413 Email: dhilipkumarg12@gmail.com	Absent
7.	Ms. Priampavai	Special Invitee	BBT-4 Department of Biotechnology, Kumaraguru College of Technology, Coimbatore Mobile: 9488994454; Email: abirami.17bt@kct.ac.in	

BOS - Coordinator

BOS - Chairman



**KUMARAGURU COLLEGE OF TECHNOLOGY
COIMBATORE - 641049**

Ref: BT - BOS Meeting – Dec 2021	
Meeting	17th BOS Meeting - Dec 2021
Date / Time of meeting	15-12-2021 at 09.45 AM – 11.00 AM
Venue	Virtual Meeting - MS Teams
Panel Members	<ol style="list-style-type: none"> 1. Prof. J. Jeyanthi, Head , Dept. of Biotechnology, GCT-CBE 2. Prof. Rama Sankar Verma , Dept of Biotechnology, IITM 3. Prof. Venkat Kumar, Dept of Biological Sciences & Technology, VIT- Vellore 4. Dr. Lipin Dev, Managing Director, VeeTee Ecogreen Pvt. Ltd, Angamaly, Kerala 5. Mrs. Sukanya Devi, Asst. Prof, Dept of Textile Technology, KCT 6. Mr. Dayanand, Research Scholar, Dept of Chemical Eng., NIT- Trichy 7. Mr. Dhillip Kumar, B.Tech., Biotechnology Alumni 8. Ms. Poompavai, Student Representative, BBT-4

Faculty Attendance			
S. No	Name	Designation	Attendance
1.	Dr. R. Baskar	Associate Professor and Head	
2.	Dr. P. Ramalingam	Professor	
3.	Dr. N. Saraswathy	Professor	
4.	Dr. Vinohar Stephen Rapheal	Associate Professor	
5.	Dr. K. Kumaresan	Associate Professor	- Absent -
6.	Dr. T. Sathishkumar	Assistant Professor-III	
7.	Dr. M. Shammugaprasadh	Associate Professor	
8.	Dr. D. R. Manimaran	Assistant Professor (Sr.G)	
9.	Dr. S. Nithyapriya	Assistant Professor (Sr.G)	
10.	Dr. P. Muthukumar	Assistant Professor-II	
11.	Dr. A. Thirumurugan	Assistant Professor -I	
12.	Dr. N. Sivarajasekar	Assistant Professor -II	
13.	Dr. K. Ram	Assistant Professor -II	
14.	Mrs. V. Veerabhuvaneshwari	Assistant Professor-I	
15.	Dr. K. Kumaravel	Assistant Professor-I	
Minutes Recorded by		Mrs. Veerabhuvaneshwari, V	

BOS Coordinator

HoD's Signature

**KUMARAGURU**

UNIVERSITY

BOARD OF STUDIES MEETING**Department: Biotechnology****Program: B.Tech Biotechnology****Venue: MS-Team****Date: Dec 15, 2021****Time: 09:45AM to 11:00 AM****AGENDA**

1. Welcome and Introduction by Chairman & BOS-Coordinator
2. Action Taken Report on Previous BoS Meeting
3. Introduction of New One Credit Courses / Programme Electives / Open Electives Addition of New Lab Experiments in R2018 Courses
4. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
5. Targets for CO / PO for Academic Year 2021-22
6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22
7. Members Recommendations for implementing NEP 2020
8. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)
9. Members inputs towards upgradation of infrastructure / teaching aids to aid content delivery
10. Best Practices followed in (External) Member's Institution
11. Any other matter (with the permission of Chairman, BoS)

Date: Dec 15, 2021


BOS Coordinator

Venue - MS-Team



KUMARAGURU
INSTITUTE OF TECHNOLOGY
Character is Life

MINUTES OF BOARD OF STUDIES MEETING

Department: BIOTECHNOLOGY

Program: B.TECH BIOTECHNOLOGY

Venue: Virtual Meet – MS TEAMS

Date: Dec 15, 2021

Time: 09:45AM to 11:00 AM

1. Welcome note and Introduction of members by chairperson

- Dr. R. Baskar, Head & Assoc. Prof and Dr Ram K BOS Coordinator welcomed the panel members.

2. Action Taken Report on Previous BoS Meeting

Action taken report for the previous BOS held in June 2021 was presented by BOS Coordinator. The report was addressed in two parts - Comments that require immediate action and comments that will be implemented in the next regulation.

Suggestions by members: All changes suggested was approved with no comments

**3. Introduction of New One Credit Courses / Programme Electives / Open Electives
Addition of New Lab Experiments in R2018 Courses**

On the basis of the feedback from the stakeholders the following Professional Electives were proposed and presented for the BOS members approval

1. C18BTE0017- Medical Textiles
2. C18BTE0016 - Molecular Pathogenesis

Value-added programs

1. MS Excel in Biology
2. Scientific Report Writing
3. Fruit & Vegetable processing

Suggestions by members. Approved for implementation in R18 CG with minor corrections/ suggestions.

4. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods

The stakeholder's feedback was presented by Mr. P. Muthukumaran. Improvement required was discussed and will be implemented in the next regulation.

Suggestions by members: Sample size for the feedback collection to be mentioned.

Date: Dec 15, 2021

BOS Coordinator

Venue - MS-Team

5. Targets for CO / PO for Academic Year 2021-22

Prof. N. Saraswathy (PAC Coordinator -UG) presented the PO attained for the current batch and the target for the upcoming batch.

Suggestions by members: Recommendation approved by the members

6. Approval of Panel of Examiners for QP Setting - Lab Exams for AY 2021-22

Suggestions by members: Its confidential matter and left to COE discretion.

7. Members Recommendations for Implementing NEP 2020

A discussion on the implementation of NEP in various other institutes were discussed

Suggestions by members: Research culture, skill gap should be identified at UG level

Members felt that the grades and knowledge level of the student is mismatching

8. Members inputs towards upgradation of infrastructure reaching aids to aid content delivery

Infrastructure up gradation was presented by Dr. Kumarevel K

Suggestions by members: High end equipment should be used for research purpose.

9. Best Practices followed in (External) Member's Institution

Best Practices followed in KCT was elaborated by Dr. Ram K. Practices like Project based learning, One-credit industry-based course, Embedded course mode of teaching, Utilization of Simulation software and programming skill in lab

Suggestions by members: Members listed all the best practices in their institute.

10. Any other matter

Suggestions by members: Nil

Date: Dec 15, 2021



PAC Coordinator

Venue - MS-Team

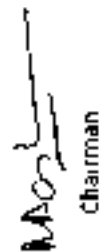
Detailed - Minutes of Meeting - BT - BOS - June 10, 2021

S.No	Suggestion by Members	Suggested by
1.	Value added course on the management of reference with tools Mentimeter, Futurenote can be offered	Mr. Dhayanand
2.	Course like data analytics can be offered in collaboration with the industry partner	Dr. Rama Shanker Verma
3.	Implementation of best practices - <ul style="list-style-type: none"> ▪ Extensive GATE concerning by piloting special hour to the student can be offered ▪ Course that promotes Industry readiness, Smart Hackathon, Future Skill set 3D printing, AI, IOT and Data analytics can be offered ▪ Course equivalence can be offered to student taking up courses in SWAYAM or NPTEL. ▪ Weekly Technical quiz for students to be encouraged ▪ Class rooms with smart teaching platforms ▪ Collaboration with the Centre for Excellence and Promoting real time projects will encourage the students. ▪ Internship should be made mandatory to enhance the employability ▪ Projects focusing on the product design & development, social relevance to be promoted ▪ Industry connection and subsequent industry requirement-based electives to be included. ▪ Assignments to be given in a phased manner ▪ Inhouse project should be encouraged ▪ Flexibility in the curriculum to be encouraged, this allows the students to undergo one-year full project and and in time publication ▪ Startup incubation to be encouraged among the students For Value-added course like Fruit and Vegetable processing. Collaboration with the professional bodies and verifying the students will help them in employability	Dr. Jayanthi Dr. Rama Shanker Verma Dr. Venkat Kumar
4		Dr. Jayanthi
5.	Courses on psychology to be taught to strengthen the mindsets of the students	Mr. Dhayanand
6	For R22, GUT and KCT should be working together to bring in the best curriculum.	Dr. Jayanthi



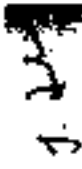
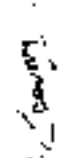
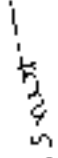





Dec 15 2021



BOB Coordinator



Chairman

BT	BOS	B.Tech Biotechnology
Signature of the Panel Members		
Dr. Ram K - BOS Coordinator - BT		
Dr. R. Baskar - Chairman - BOS		
Dr. J. Jeyanthi - Anna University Nominee		
Dr. Rama Sankar Verma, Subject Expert		
Dr. Venkat Kumar, Subject Expert		
Dr. Lipin Dev, Expert from Industry		
Mrs. Sukanya Devi, Special Invitee		
Mr. N. Dayanand, Alumni -PGI		
Ms. Poompavai, Student Representative, UGI		
	 BOS Coordinator	Chairman

Dec 15 2021



KUMARAGURU COLLEGE OF TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY
COIMBATORE – 641 049

Ref: BT - BOS Meeting - Nov 2020	
Meeting	16th BOS Meeting - June 2021
Date / Time of meeting	10-06-2021 at 10.00 AM – 12.30 PM
Venue	Virtual Meeting - MS Teams
Panel Members	<ol style="list-style-type: none"> 1. Prof. J. Jeyanthi, Head , Dept. of Biotechnology, GCT-CBE 2. Prof. Rama Sankar Verma , Dept of Biotechnology, IITM 3. Prof. Venkat Kumar, Dept of Biological Sciences & Technology, VIT- Vellore 4. Dr. Lipin Dev, Managing Director, VeeTee Ecogreen Pvt. Ltd, Angamaly, Kerala 5. Mrs. Sukanya Devi, Asst. Prof, Dept of Textile Technology, KCT 6. Mr. Dayanand, Research Scholar, Dept of Chemical Eng., NIT-Trichy 7. Mr. Anula Jomi, B.Tech., Biotechnology Alumni 8. Ms. Abirami, Leadership Council, Super-60

Faculty Attendance			
S. No	Name	Designation	Attendance
1.	Dr. R. Baskar	Associate Professor and Head	Present
2.	Dr. P. Ramalingam	Professor	Present
3.	Dr. N. Saraswathy	Professor	Present
4.	Dr. Vinohar Stephen Rapheal	Associate Professor	Present
5.	Dr. K. Kumaresan	Associate Professor	Present
6.	Dr. T. Sathishkumar	Assistant Professor-III	Present
7.	Dr. M. Shanmugaparakash	Associate Professor	Present
8.	Mr. D. R. Manimaran	Assistant Professor (Sr.G)	Present
9.	Dr. S. Nithyapriya	Assistant Professor (Sr.G)	Present
10.	Mr. P. Muthukumaran	Assistant Professor-II	Present
11.	Dr. A. Thirumurugan	Assistant Professor -I	Present
12.	Dr. N. Sivarajasekar	Assistant Professor -II	Present
13.	Dr. K. Ram	Assistant Professor -II	Present
14.	Mrs. V. Veerabhuvaneshwari	Assistant Professor-I	Present
15.	Dr. K. Kumaravel	Assistant Professor-I	Present
Minutes Recorded by		Mrs. Veerabhuvaneshwari. V & Mr. P.Muthukumaran	


BOS Coordinator


HoD's Signature

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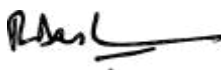


**KUMARAGURU COLLEGE OF TECHNOLOGY
COIMBATORE - 641 049**

**16th BOARD OF STUDIES MEETING
JUNE 10, 2021
ATTENDANCE DETAILS OF EXTERNAL MEMBERS**

Name of the Board: B.TECH & M.TECH BIOTECHNOLOGY

S. No	Name	Designation as per UGC	Designation / Affiliation with full contact details	Digital Signature
1.	Dr. J. Jeyanthi	Anna University Nominee	Professor and Head, Department of Industrial Biotechnology, Govt. College of Technology, Coimbatore Email: jeyanthi@gct.ac.in Mobile: 9843644570	
2.	Dr. Rama Sankar Verma	Subject Expert	Professor, Department of Biotechnology, IIT-Madras	
3.	Dr. S. Venkat Kumar	Subject Expert	Associate Professor, Department of Biotechnology, School of Biological Sciences and Technology, Vellore Institute of Technology, Vellore. Email: venkatkumars@vit.ac.in Mobile: 9894698150	Absent
4.	Dr. Lipin Dev	Subject Expert	Managing Director Vee Tee Ecogreen Pvt Ltd, Angamaly, Kerala Email: lipindev@gmail.com Mobile: 8903621656	
5.	Mrs. R. Sukanya Devi	Special Invitee	Assistant Professor- I Department of Textile Technology, Kumaraguru College of Technology, Coimbatore Mobile: 9003944133 Email: sukanyadevi.r.txt@kct.ac.in	
6.	Mr. N. Dhayanand	Alumni Member-PG	Research Associate, Dept of Chemical Engineering, NIT-Trichy Mobile:	





**KUMARAGURU COLLEGE OF TECHNOLOGY
COIMBATORE - 641 049**

			Email:9488389024 dhaya2bio@gmail.com	
6.	Ms. Anula Jomi	Alumni Member- UG	Department of Biotechnology Kumaraguru College of Technology, Coimbatore Email: anulajomi.19mbt@kct.ac.in	
7.	Ms. S.K. Abirami	Special Invitee	BBT-3, Super-60 member Department of Biotechnology, Kumaraguru College of Technology, Coimbatore Mobile: 9488994454; Email: abirami.17bt@kct.ac.in	



BOS - Coordinator



BOS - Chairman

**BOARD OF STUDIES MEETING****Department: Biotechnology****Program: B.Tech Biotechnology****Venue: MS-Team****Date: June 10, 2021****Time: 10:00AM to 12:30 PM****AGENDA**

1. Welcome and Introduction by Chairman & BOS-Coordinator
2. Action Taken Report on Previous BoS Meeting
3. Introduction of New One Credit Courses / Programme Electives / Open Electives Addition of New Lab Experiments in R2018 Courses
4. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
5. Targets for CO / PO for Academic Year 2021-22
6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22
7. Members Recommendations for Implementing NEP 2020
8. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)
9. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery
10. Best Practices followed in (External) Member's Institution
11. Any other matter (with the permission of Chairman, BoS)

Date: June 10, 2021

BOS Coordinator

Venue - MS-Team



MINUTES OF BOARD OF STUDIES MEETING

Department: BIOTECHNOLOGY

Program: B.TECH BIOTECHNOLOGY

Venue: Virtual Meet – MS TEAMS

Date: June 10, 2021

Time: 10.00 AM – 12.30 PM

1. Welcome note and introduction of members by chairperson

- Dr. Baskar, Head & Assoc. Prof welcomed the panel members.

2. Action Taken Report on Previous BoS Meeting

Action taken report for the previous BOS held in Nov 2020 was presented by BOS Coordinator. The report was addressed in two parts – Comments that require immediate action and comments that will be implemented in the next regulation.

Suggestions by members: No comments

3. Introduction of New One Credit Courses / Programme Electives / Open Electives Addition of New Lab Experiments in R2018 Courses

On the basis of the feedback from the stakeholders the following Professional Electives were proposed and presented for the BOS members approval

1. Chemistry of Natural Products
2. Human Physiology
3. Novel Food Packaging

Suggestions by members: Approved for implementation in R18 UG

4. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods

The stakeholder's feedback was presented by Mr. P. Muthukumaran. Improvement in the feedback was individually addressed.

Suggestions by members:

5. Targets for CO / PO for Academic Year 2021-22

Prof. N. Saraswathy (PAC Coordinator -UG) presented the PO attained for the current batch and the target for the upcoming batch.

Prof. P. Ramalingam (PAC Coordinator -PG) presented the PO attained for the current batch and the target for the upcoming batch.

Suggestions by members: Suggestions was given to raise the PO target to a higher value as the present batch attainment was higher than the target value.

Date: June 10, 2021

BoS Coordinator

Venue - MS-Team

6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22

Suggestions by members: Its confidential matter and left to COE discretion.

7. Members Recommendations for Implementing NEP 2020

Prof. R. Baskar presented the salient highlights of the NEP 2020.

Suggestions by members: Research culture, skill gap should be identified at UG level.
Members felt that the grades and knowledge level of the student is mismatching

8. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

Suggestions for new curriculum was presented by Dr. Ram .

Suggestions by members:

A draft curriculum to be made from the scratch and then presented in a separate BOS.

Bioorganic Chemistry may be removed and offer Genetic Engineering and Genomics separately.

9. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery

Infrastructure up gradation was presented by Dr. Ram .

Suggestions by members: High end equipment should be used for research purpose.

10. Best Practices followed in (External) Member's Institution

Best Practices followed in KCT was elaborated by Mr. Muthukumaran. Practices like Project based learning, One-credit industry based course, Embedded course mode of teaching, Utilization of Simulation software and programming skill in lab

Suggestions by members: Members listed all the best practices in their institute.

11. Any other matter

Suggestions by members: Nil

Detailed - Minutes of Meeting - BT - BOS – June 10, 2021

S.No	Suggestion by Members	Suggested by
1.	Introduction of New Professional Electives: Human Physiology – The subject is focussed for the Biotechnology students exclusively and the subject don't contain any lab components. Concepts in Biochemistry would serve as a prerequisite. The syllabus content was framed by Dr. Sathish Kumar.	Dr. Jeyanthi, Dr. Rama Shanker Verma, Dr. Lipin Dev.
2.	Introduction of New Professional Electives: Chemistry of Natural Products: Recommendations for industrial visit to herbal garden, pharmaceutical industries. The subject can be offered in semester - 6. The syllabus content was framed by Dr. Sathish Kumar.	Dr. Jeyanthi and Prof. R. Baskar
3.	Introduction of New Professional Electives: Novel Food Packaging: Unit 5 – Concepts on Recycling methods and Biodegradable material should be highlighted. Regulatory guidelines and government norm for production of packaging material to be included in the syllabus. Recommendation to include the regulatory guideline in the Unit 1. The case studies can be included in any of the three units. The syllabus content was framed by Dr. Nithya Priya	Dr. Jeyanthi Dr. Lipin Dev Dr. Ramalingam
4.	Prof. Jeyanthi suggested to raise the PO target for the UG since the current batch has already attained an average target of 75. However, to observe the consistency in attainment of PO for the next three batches the target was fixed to 75 and was not raised much higher.	Dr. Jeyanthi Dr. Sathish Kumar
5.	Approval of QP setter – Panel members suggested that these matter should not be discussed in a forum and it is left to the COE discretion	All members
6.	Implementation of NEP 2020 : By promoting the research culture in the UG level the skill gap usually in industries can be addressed. Members felt that the syllabus and the knowledge level is totally mismatching. It was commented that the current syllabus was totally - a mechanism of scoring grades. More over the demonstration of the theoretical concept is lacking.	Dr. Jeyanthi Dr. Rama Shanker Verma Mrs. Suganya Devi
7.	Design of New curriculum – A draft curriculum for R22 should be prepared inline with the AICTE guidelines. Biorganic Chemistry can be replaced with Genetic Engineering and Genomic separately.	Prof. Jeyanthi
8.	Electives are superficial and in depth content shall be provided. Less course and more knowledge part suggested. Each of the course seems to be advanced course but the prerequisite is questionable.	Prof. Rama Shanker Verma

10, June 2021

BOS Coordinator


Chairman

	Electives should be innovative.	
9.	A course on Waste Management can be included in the electives in UG	Dr. Jeyanthi
10.	A course on Energy Engineering can be included covering the industrial application and waste management. Suggested to include the subject in higher suggestion,	Mr. Dhayanand
11.	Basics of Medical Coding can be included as One-credit course	Dr. Jeyanthi
12.	Course like Cell Biology, Biomolecules, Molecular Biology should be dealt in detail and with more fundamental knowledge	Dr. Lipin Dev
13.	Best Practices : Inhouse training for GATE, Employment skill training and workshop on non-conventional practices, seed money for students proposal, Occupational health for both teaching and non-teaching suggested. A cell for student startup to be encouraged. Access to research facilities to be promoted.	Dr. Jeyanthi

10, June 2021


 BOS Coordinator


 Chairman

BT

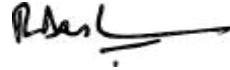
BOS

Signature of the Panel Members

Dr. Ram K - BOS Coordinator - BT




Dr. R. Baskar - Chairman - BOS



Dr. J. Jeyanthi - Anna University Nominee



Dr. Rama Sankar Verma, Subject Expert



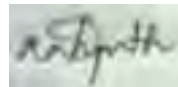
Dr. Venkat Kumar, Subject Expert



Dr. Lipin Dev, Expert from Industry



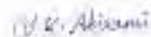
Mrs. Sukanya Devi , Special Invitee



Mr. N. Dayanand , Alumni -PG



Ms. Anula Jomi J , Alumni - UG



Ms. Abirami, Leadership Council - Super 60



10, June 2021

BOS Coordinator



Chairman



KUMARAGURU COLLEGE OF TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY
COIMBATORE – 641 049

Ref: BT - BOS Meeting - Nov 2020	
Meeting	15th BOS Meeting - Nov 2020
Date / Time of meeting	21-11-2020 at 10.00 AM – 12.30 PM
Venue	Virtual Meeting - MS Teams
Panel Members	<ol style="list-style-type: none"> 1. Prof. J. Jeyanthi, Head , Dept. of Biotechnology, GCT-CBE 2. Prof. Rama Sankar Verma , Dept of Biotechnology, IITM 3. Prof. Venkat Kumar, Dept of Biological Sciences & Technology, VIT- Vellore 4. Dr. Lipin Dev, Managing Director, VeeTee Ecogreen Pvt. Ltd, Angamaly, Kerala 5. Mrs. Sukanya Devi, Asst. Prof, Dept of Textile Technology, KCT 6. Mr. Dayanand, Research Scholar, Dept of Chemical Eng., NIT-Trichy 7. Mr. Dhilip Kumar, Sr. Research Assoc., Syngene, Bangalore 8. Ms. Abirami, Leadership Council, Super-60

Faculty Attendance			
S. No	Name	Designation	Attendance
1.	Dr. R. Baskar	Associate Professor and Head	Present
2.	Dr. P. Ramalingam	Professor	Present
3.	Dr. N. Saraswathy	Professor	Present
4.	Dr. Vinohar Stephen Rapheal	Associate Professor	Present
5.	Dr. K. Kumaresan	Associate Professor	Present
6.	Dr. T. Sathishkumar	Assistant Professor-III	Present
7.	Dr. M. Shanmugaprakash	Associate Professor	Present
8.	Mr. D. R. Manimaran	Assistant Professor (Sr.G)	Present
9.	Dr. S. Nithyapriya	Assistant Professor (Sr.G)	Present
10.	Mr. P. Muthukumaran	Assistant Professor-II	Present
11.	Dr. A. Thirumurugan	Assistant Professor -I	Present
12.	Dr. N. Sivarajasekar	Assistant Professor -II	Present
13.	Dr. K. Ram	Assistant Professor -II	Present
14.	Mrs. V. Veerabhuvaneshwari	Assistant Professor-I	Present
15.	Dr. K. Kumaravel	Assistant Professor-I	Present
Minutes Recorded by		Mrs. Veerabhuvaneshwari. V & Mr. P.Muthukumaran	


BOS Coordinator


HoD's Signature

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KUMARAGURU COLLEGE OF TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY
COIMBATORE – 641 049

15th Board of Studies Meeting
Nov 21, 2020

Panel Member Attendance			
S. No	Name	Designation	Attendance
1.	Prof. J. Jeyanthi	Anna University Nominee	Present
2.	Prof. Rama Sankar Verma	Subject Expert	Present
3.	Prof. Venkat Kumar	Subject Expert	Present
4.	Dr. Lipin Dev	Industry Expert	Present
5.	Mrs. Sukanya Devi	Special Invitee	Present
6.	Mr. Dayanand	PG-Alumni	Present
7.	Mr. Dhilip Kumar	UG-Alumni	Present
8.	Ms. Abirami	Super -60	Present

BOS Coordinator

HoD's Signature

Copy to: BOS File, Office Documentation



BOARD OF STUDIES MEETING

Department: Biotechnology

Program: B.Tech Biotechnology

Venue: MS-Team

Date: Nov 21 , 2020

Time:

AGENDA

1. Welcome and introduction of members by Chairperson, BoS
2. Presentation of proceedings of DAB by Program Coordinator (CO - PO mapping, CO and PO attainment) and Action Taken Report
3. Presentation of previous BoS meeting minutes and action taken report
4. Presentation and deliberation on curriculum and syllabus
5. Presentation and deliberation on course delivery and assessment methods
6. Deliberation on beyond class / syllabus regarding knowledge and/or skill updation.
7. Prescribing faculty qualification / specialization for recruiting new faculty
8. Identifying area for faculty and support faculty training
9. Suggesting augmentation of infrastructure - laboratory equipment / software purchase
10. Concluding remarks by Chairperson.

Date: Nov 21, 2020


BOS Chairman-BT


BoS Coordinator



MINUTES OF BOARD OF STUDIES MEETING

Department: BIOTECHNOLOGY

Program: B.TECH BIOTECHNOLOGY

Venue: Virtual Meet – MS TEAMS

Date: 21- Nov 2020

Time: 10.00 AM – 12. 30 PM

1. Welcome note and introduction of members by chairperson

- Dr. Baskar , Head & Assoc. Prof welcomed the panel members, followed by Faculty member introduction to the panel members.
- Details of the previous BOS meeting minutes was highlighted by Dr. Ram - BOS Coordinator
- Curriculum and Syllabus was sent to members prior to the actual meeting, Members came up with the specific points and suggestion. Specific points were addressed and suggestions were collected.

2. Curriculum - balance of courses as per domain, pre-requisites

Suggestions by Members:

- Members insisted to provide a bridge course for the freshers
- Number of mathematics papers can be reduced.

whether points incorporated or not. If not, reason : Suggestions considered for next regulation revision.

3. Syllabus - updation and relevance to industrial, career requirement

Suggestions by Members:

- Redundancies in certain subjects were discussed and revision of curriculum suggested
- whether points incorporated or not. If not, reason

- Subjects with redundant topics were identified and suitable action will be taken to reduce the redundancy in upcoming regulation.

4. Course Delivery - Mode and effectiveness

Suggestions by Members: No suggestions from Panel members.

whether points incorporated or not. If not, reason

Date: Nov 21, 2020


BOS Chairman-BT


BoS Coordinator

5. Course Assessment - - Mode and effectiveness,

Suggestions by Members:

- Members insisted to have reviews for the Project work. During the pandemic , it is insisted to undergo extensive literature survey, modeling of data

whether points incorporated or not. If not, reason

6. Infra requirement, upgradation

Suggestions by Members:

- Infrastructure details was elaborated by Dr. Baskar and insisted to visit the department in the next BOS meeting.

whether points incorporated or not. If not, reason

7. Student's knowledge and skill development

Suggestions by Members:

- Comprehensive Exam/ viva to be included as mandatory in Sem -7 , this will help the student to recall all the subjects taught and will help them to prepare for GATE and other competitive exam.

whether points incorporated or not. If not, reason :

- The practice of comprehensive exam/ viva will be considered .

8. Faculty and support faculty development / training

Suggestions by Members:

- Members insisted to undergo AICTE sponsored training, FTP, Online courses and ATAL sponsored courses to enhance the knowledge in their particular domain.

whether points incorporated or not. If not, reason

- Faculty accepted the suggestions by members.

9. Faculty qualification/ specialization - recommendation

Suggestions by Members:

- Members insisted to include electives based on the faculty specialization and to focus much on the thrust areas to increase the employability of the students.
- Panel members suggested to increase the number of patents filed each year.

whether points incorporated or not. If not, reason

- Suitable electives are included in the R18 and will be revised in the next regulation , focusing on the specialization and the thrust areas.

Date: Nov 21, 2020



BOS Chairman-BT



BOS Coordinator

Detailed - Minutes of Meeting - BT - BOS - Nov 21, 2020

S.No	Suggestion by Members	Suggested by
1.	Suggestion to rephrase Course Name Engineering Clinics to Engineering Design including design prototype concepts.	Dr.Rama Sankar Verma Dr. Venkat kumar
2.	Environmental Science Course to be included as mandatory course in the curriculum in Sem 4 or 5.	Dr. J. Jeyanthi
3.	2 week/ 3week minimum industry internship suggested to be included in syllabus with evaluation rubrics.	Dr.J. Jeyanthi Dr.Venkat Kumar
4.	Few topics from Fluid and Particle Dynamics may be added to Bioprocess Engineering Course	Dr.Venkat Kumar
5.	Industrial Biotechnology can be included as bridge course.This course will serve as a bridge course for fresher and will introduce to the students to Biotechnology.	Dr.Venkat kumar
6.	Basic fundamental courses like cell biology and molecular biology diluted. Overall the curriculum needs to focus on fundamental subjects.	Dr.Lipin Dev Dr.Rama Sankar Verma
7.	Suggestion to rephrase Cell culture Lab with title Cell Culture techniques Laboratory. And suitable changes to be made to all laboratory courses.	Dr.Rama Sankar Verma
8.	Students may use analytical tools in their Phase I and / or Phase II project which can be accounted in assessment. Considering the present pandemic situation, in Project Phase-I students may focus on extensive literature, plan for experimental procedures and modeling of data from previous studies.	Dr.J. Jeyanthi
9.	All courses may be completed within the Semester-7. Students can focus their project in Sem -8. Electives can be prepone or completed on fast track mode based on interest.	Dr.Venkat kumar
10.	Suggestion to include Chemical Reaction Engineering as Core Paper before offering Bioprocess Engineering.	Dr.Venkat kumar
11.	Suggested to rename course - Bioprocess Design and Economics as Bioprocess Plant Design and	Dr.Venkat kumar

Date: Nov 21, 2020


 BOS Coordinator


 BOS Chairman-BT

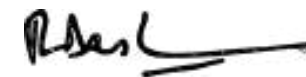
Venue - MS-Team

	Economics	
12.	Considering the present prevailing industrial and environmental problems - A course on Bio-waste Management should be included.	Dr.Rama Sankar Verma Dr.J. Jeyanthi
13.	Emphasis on including enzyme kinetics topics	Dr. Lipin Dev
14.	A mandatory course on Comprehensive Exam/ viva to be offered in the Semester - 7 . The course facilitates the students to prepare GATE and other competitive exams/	All panel members
16.	A course on Food Technology is to be as a core paper.	Dr.AThirumurugan, Dr.D.R. Manimaran, Dr.K Kumaresan
17.	Preclinical and clinical regulatory affairs course can be changed to elective instead of Core. Considering the point Bio-pharmaceutical Techniques is already offered in Semester-6.	Dr. A. Thirumurugan
17.	Check for redundancy in Downstream Processing topics like filtration, extraction with respect to other courses like Unit Operation , Heat and Mass Transfer Operations.	Dr.Venkat Kumar
18.	Floating relevant one credit courses interdisciplinary for example one credit course on Enzyme technology applications in Textile industry	Mrs. Sukanya Devi
19.	A course on Ethics, Regulatory affairs to be offered to all students	All panel members
20.	A lab on Tissue Culture lab is be offered extensively - This lab will increase the employability of the students.	Dr. Rama Sankar Verma
21.	Awareness program on Entrepreneurship should be conducted	All Panel Members

Date: Nov 21, 2020



BOS Coordinator



BOS Chairman-BT

Venue - MS-Team

BT

BOS

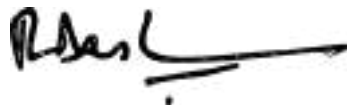
B.Tech Biotechnology

Signature of the Panel Members

Dr. Ram K - BOS Coordinator - BT



Dr. R. Baskar - Chairman - BOS



Dr. J. Jeyanthi - Anna University Nominee

Dr. Rama Sankar Verma, Subject Expert

Dr. Venkat Kumar, Subject Expert

Dr. Lipin Dev, Expert from Industry

Mrs. Sukanya Devi , Special Invitee

Mr. N. Dayanand , Alumni -PG

Mr. Dhilip Kumar , Alumni - UG

Ms. Abirami, Leadership Council - Super 60

Date: Nov 21, 2020

BoS Coordinator

Venue - MS-Team



BOARD OF STUDIES MEETING

Department: Biotechnology

Program: M.Tech Biotechnology

Venue: MS-Team

Date: Nov 21 , 2020

Time: 10.00 - 12.30 PM

AGENDA

1. Welcome and introduction of members by Chairperson, BoS
2. Presentation of proceedings of DAB by Program Coordinator (CO - PO mapping, CO and PO attainment) and Action Taken Report
3. Presentation of previous BoS meeting minutes and action taken report
4. Presentation and deliberation on curriculum and syllabus
5. Presentation and deliberation on course delivery and assessment methods
6. Deliberation on beyond class / syllabus regarding knowledge and/or skill updation.
7. Prescribing faculty qualification / specialization for recruiting new faculty
8. Identifying area for faculty and support faculty training
9. Suggesting augmentation of infrastructure - laboratory equipment / software purchase
10. Concluding remarks by Chairperson.

Date: Nov 21, 2020

BOS Chairman-BT

BOS Coordinator



MINUTES OF BOARD OF STUDIES MEETING

Department: BIOTECHNOLOGY

Program: M.TECH BIOTECHNOLOGY

Venue: Virtual Meet – MS TEAMS

Date: 21- Nov 2020

Time: 10.00 AM – 12. 30 PM

1. Welcome note and introduction of members by chairperson

- Dr. Baskar , Head & Assoc. Prof welcomed the panel members, followed by Faculty member introduction to the panel members.
- Details of the previous BOS meeting minutes was highlighted by Dr. Ram - BOS Coordinator
- Curriculum and Syllabus was sent to members prior to the actual meeting, Members came up with the specific points and suggestion. Specific points were addressed and suggestions were collected. As the PG syllabus was approved in the previous BOS, content upgradation, addition of new electives, course delivery was discussed in detail.

2. Curriculum - balance of courses as per domain, pre-requisites

Suggestions by Members:

- Members insisted to provide a bridge course for the freshers - Introduction to Chemical engineering and a courses on Mathematics for life science students..
- Research methodology syllabus to be revised as per the Biotechnology students.

whether points incorporated or not. If not, reason :

Suggestions considered for next regulation revision.

3. Syllabus - updation and relevance to industrial, career requirement

Suggestions by Members:

- Redundancies in certain subjects were discussed and revision of curriculum suggested whether points incorporated or not. If not, reason
- Subjects with redundant topics were identified and suitable action will be taken to reduce the redundancy in upcoming regulation.

Date: Nov 21, 2020

BOS Chairman-BT

BOS Coordinator

4. Course Delivery - Mode and effectiveness

Suggestions by Members: No suggestions from Panel members.

whether points incorporated or not. If not, reason

5. Course Assessment - - Mode and effectiveness,

Suggestions by Members:

- Members insisted to have reviews for the Project work. During the pandemic , it is insisted to undergo extensive literature survey, modeling of data

whether points incorporated or not. If not, reason

6. Infra requirement, upgradation

Suggestions by Members:

- Infrastructure details was elaborated by Dr. Baskar and insisted to visit the department in the next BOS meeting.

whether points incorporated or not. If not, reason

7. Student's knowledge and skill development

Suggestions by Members:

- Comprehensive Exam/ viva to be included as mandatory in Sem -2 , this will help the student to recall all the subjects taught and will help them to prepare for GATE and other competitive exam.

whether points incorporated or not. If not, reason :

- The practice of comprehensive exam/ viva will be considered .

8. Faculty and support faculty development / training

Suggestions by Members:

- Members insisted to undergo AICTE sponsored training, FTP, Online courses and ATAL sponsored courses to enhance the knowledge in their particular domain.

whether points incorporated or not. If not, reason

- Faculty accepted the suggestions by members.

9. Faculty qualification/ specialization - recommendation

Suggestions by Members:

- Members insisted to include electives based on the faculty specialization and to focus much on the thrust areas to increase the employability of the students.

whether points incorporated or not. If not, reason

- Suitable electives are included in the R18 and will be revised in the next regulation , focusing on the specialization and the thrust areas.

Date: Nov 21, 2020



BOS Chairman-BT

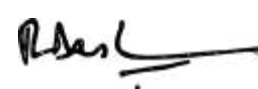


BOS Coordinator

Detailed - Minutes of Meeting - BT - BOS - Nov 21, 2020

S.No	Suggestion by Members	Suggested by
1.	Students may use analytical tools in their phase I and / or Phase II project which can be accounted in assessment. Considering the present pandemic situation, Project Phase-I may focus on extensive literature, plan for experimental procedures and modeling of data from previous studies can be done	All Panel Members
2.	All courses may be completed within the Semester-2. Students can focus their project from Sem-3. Electives can be prepone or completed on fast track mode based on interest. A 9 month project for PG is mandatory	All Panel Members
3.	A course on Ethics, Regulatory affairs to be offered to all students	Dr. Rama Sankar Verma
4.	A lab on Tissue Culture lab is be offered extensively - This lab will increase the employability of the students.	Dr. Rama Sankar Verma
5.	Awareness program on Entrepreneurship should be conducted	Dr. Venkat Kumar
6.	Objectives for Elective to be specific. Nanomaterial course objectives to rephrased. Case studies for the techniques to be included. Limit the number of application w.r.t to Biotechnology only. Topics like photofluorescence is missing. Include application related to Environmental Biotechnology or the content can be moved to Waste Management electives.	Dr. J.Jeyanthi
7.	Industrial problem can be identified and to be worked collaboratively with the industry personals. The solution may be developed with the existing infrastructure and then be applied to the industries. This will aid to develop industry sponsored laboratories.	All Panel Members


 BOS Coordinator



BOS Chairman-BT

Date: Nov 21, 2020

Venue - MS-Team

BT

BOS

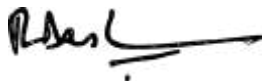
M.Tech Biotechnology

Signature of the Panel Members

Dr. Ram K - BOS Coordinator -BT



Dr. R. Baskar - Chairman - BOS



Dr. J. Jeyanthi - Anna University Nominee

Dr. Rama Sankar Verma, Subject Expert

Dr. Venkat Kumar, Subject Expert

Dr. Lipin Dev, Expert from Industry

Mrs. Sukanya Devi , Special Invitee

Mr. N. Dayanand , Alumni -PG

Mr. Dhilip Kumar , Alumni - UG

Ms. Abirami, Leadership Council - Super 60

Date: Nov 21, 2020



BOS Coordinator

Venue - MS-Team



KUMARAGURU
Institute of Technology
Character is life

BOARD OF STUDIES MEETING

Department: Biotechnology

Program: B.Tech

Venue: Conference Hall

Date: 30 Nov 2018

Time: 2.00 PM

AGENDA

1. Welcome and introduction of members by Chairperson, BoS
2. Presentation of proceedings of PAC by Program Coordinator (CO - PO mapping, CO, PO attainment)
3. Presentation of previous meeting minutes and action taken
4. Presentation and deliberation on curriculum and syllabus
5. Presentation and deliberation on course delivery and assessment methods
6. Deliberation on beyond class / syllabus with regard to knowledge and/or skill updation
7. Prescribing faculty qualification / specialisation for recruiting new faculty
8. Identifying area for faculty and support faculty training
9. Suggesting augmentation of infrastructure - laboratory equipment / software purchase
10. Concluding remarks by Chairperson.

Date: 30 Nov 2018

A handwritten signature in blue ink, likely of the BOS Coordinator.

BOS Coordinator

Venue: Conference Room



KUMARAGURU
UNIVERSITY
characterising life

MINUTES OF BOARD OF STUDIES MEETING

Department: Biotechnology

Program: B.Tech

Venue: Conference Hall

Date: 30 Nov 2018

Time: 2.00 PM

1. Welcome note and introduction of members by chairperson

Dr.N.Saraswathy welcomed the gathering and Dr.R.Baskar presented the PAC presentation (Overall attainment of POs, Improvement and recommendation were discussed). Dr. Ram presented Action taken report of last curriculum BOS was discussed.

2. Curriculum - balance of courses as per domain, pre-requisites

1. Overall attainment level of POs,

- Dr.Rukmani suggested microcalculation and setting of % target attainment. Set different target for POs
- Devise a action plan for recommendation project based assignment for PO2. Set of problems with HOTS and real time exercises to be given to students for PO2 attainment recommendation.
- Rubrics for PO attainment for Strong, medium and weak
- Mr. Gauthama Prabhu - course delivery methods through interactive videos and recorded lectures
- Modify R18 Introduction to Biotechnology- credit and lab component clarification.
- Dr.P.Ramalingam and Dr.Vinohar Stephen to modify and frame the common syllabus for Introduction to Biotechnology. Recommended to remove redundancy
- Dr. J. Srinivasan emphasised on the importance of Introduction to Biotechnology in the first year.
- Title and name in the syllabus should be checked for corrections like course code and course name
- R18 curriculum reshuffling suggested by Dr.Vinohar Stephen
- Replace Biopharmaceutical technology with Thermodynamics
- Dr.Vinohar Stephen recommend IPR course

Date: 30 Nov 2018

BOS Coordinator

Venue: Conference Room

3. Syllabus - updation and relevance to industrial, career requirement

Suggestions by Members:

whether points incorporated or not. If not, reason

- Prerequisite - removed for core courses replace with NA or NIL
- Correction - Check Course code for Biomolecules and Genetics in the prerequisite
- R17-Biological data analysis : Total credits correction. Virtual high throughput screening to be included in lab component. 2-credit change suggested by Dr.Vinohar Stephen
- R17-Protein engineering and Enzyme Technology: 1st and 2nd unit can be combined. one lab on PDB structure and modeling and second lab component DNA foot printing.
- U17BT15204:Bioprocess Engineering: Change the order of experiments RSM and some changes in lab component
- Reference numbers can be fixed and format fixed for all courses
- Revise serial number for Heat and Mass Transfer and Bioprocess Engineering
- Curriculum change the name for Heat and Mass transport
- Redefine PSO mapping
- Order of curriculum and syllabus to be changed for semester 7 Course U18BTT6001 CLINICAL RESEARCH MANAGEMENT moved to front
- UG and PG Clinical research and management name similar. Add preclinical content to UG Clinical research and management
- Include regulatory aspects in first unit in M.Tech Clinical research management and advanced content to be included in M.Tech Clinical research
- Embedded labs to have 30 hours- Correction for all courses. So total hours is 75 should be changed for all courses with
- IAEC to be established.
- Engineering clinics syllabus was discussed for clarification by Dr.Karthikeyan and requested syllabus for better understanding.

4. Course Delivery - Mode and effectiveness

Suggestions by 2Members:

whether points incorporated or not. If not, reason

- Industrial visits can be arranged for applicable courses
- Discussion points included as attachment

5. Course Assessment - - Mode and effectiveness,

Suggestions by Members:

whether points incorporated or not. If not, reason

The discussion is are included as attachment

Date: 30 Nov 2018

BOS Coordinator

Venue: Conference Room

6. Infra requirement, upgradation

Suggestions by Members:

whether points incorporated or not. If not, reason

Particle size analyser can be purchased for nanomaterial characterization recommended by Dr.Rukmani.

7. Student's knowledge and skill development

Suggestions by Members:

whether points incorporated or not. If not, reason

Encourage hands-on training certificate programmes and internships to enhance experimental skills.

8. Faculty and support faculty development / training

Suggestions by Members:

whether points incorporated or not. If not, reason

Dr.Kalyan and Dr.Rukmani recommends Bioanalytical Techniques training for Faculty members to be given.

9. Faculty qualification/ specialisation - recommendation

Suggestions by Members:

whether points incorporated or not. If not, reason

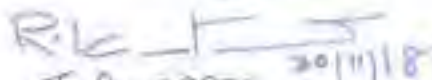
Specialization of the faculty members was discussed and on the current topics. faculty can undergo hands on training

Signature of the members

1. Dr.R.Rukmani

 30/11/18

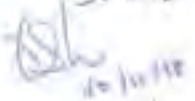
2. Dr.Karthikeyan

 30/11/18

3. Dr. J. Srinivasan

 30/11/18

4. Dr. V Stephan Raphael

 30/11/18

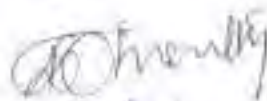
5. Dr. V. Geetha



6. Dr. Kalyan Kumar



7. Mr.K.C. Thirumurthy

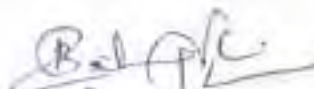


Date: 30 Nov 2018

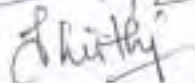
BoS Coordinator

Venue: Conference Room

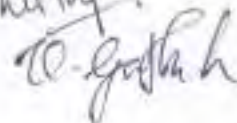
8. Mr. Balaji (M.tech Alumni)



9. Ms.G.B.Kirthikaa (B.tech Alumni)



10. Mr.Gowthama Prabu (B.Tech Alumni)



Date: 30 Nov 2018



BOS Coordinator

Venue: Conference Room



**KUMARAGURU COLLEGE OF TECHNOLOGY,
COIMBATORE – 641 049**

Minutes of the 13th BOS Meeting

Comments and Suggestions from BOS members for R18 PG programme

General Comments to be addressed

1. Students should be asked to give a seminar after attending the workshop/conference.
2. No basic course only advance course should be included
3. NGS to be in the core component
4. Research methodology has to be in the elective course
5. Biopharma technology (include Biosimilars) has to be in elective
6. Invited talks, certificate course to be given

Subject specific comments are given as attachment

BOS EXPERTS

NAME: K. R. V. K. MANI

SIGNATURE: [Signature]
22/03/18

NAME: Dr. R. KARTHIKEYAN

SIGNATURE: [Signature]
22/3/18

NAME: Dr. G. Kalyan Kumar

SIGNATURE: [Signature]
22/3/18

NAME: Dr. Kabilan Mani

SIGNATURE: [Signature]
22/03/18



Minutes of the 13th BOS Meeting

Comments and Suggestions from BOS members for R18 UG programme

General Comments to be addressed

1. Industry collaborative teaching to be ensured
2. Bridge course for lateral entry to be given
3. Numerical methods to be included in mathematics
4. Core labs to offered as separate course instead of embedded course
5. Invited talks to be arranged for latest technologies and topics
6. Certificate courses on emerging topics to be given
7. Chemistry for Biotechnology to be renamed as Chemistry for Biotechnologist
8. Change Skills in Biotechnology to Introduction to Biotechnology
9. Topics on Good Documentation Practises (GDP).
10. Genetic Engineering Lab to be given as separate lab

Subject specific comments are given as attachment

BOS EXPERTS

NAME: K. Ruckmani

SIGNATURE: [Signature]
22/03/18

NAME: Dr. R. Karthikeyan

SIGNATURE: [Signature]
22/3/18

NAME: Dr. Kalyan Kumar

SIGNATURE: [Signature]
22/3/18

NAME: Dr. Kabilan Mani

SIGNATURE: [Signature]
22/03/18



**KUMARAGURU COLLEGE OF TECHNOLOGY,
COIMBATORE – 641 049**

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Subject specific comments are given as attachment

BOS EXPERTS

NAME: K. RUCKMANI

SIGNATURE: [Signature]
22/03/18

NAME: Dr. R. KARTHIKEYAN

SIGNATURE: [Signature]
22/3/18

NAME: Dr. G. Kalyan Kumar

SIGNATURE: [Signature]
22/3/18

NAME: Dr. Kabilan Mani

SIGNATURE: [Signature]
22/03/18



**KUMARAGURU COLLEGE OF TECHNOLOGY,
COIMBATORE – 641 049**

Minutes of the 13th BOS Meeting

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9. Topics on Good Documentation Practises (GDP).
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Subject specific comments are given as attachment

BOS EXPERTS

NAME: <u>K. Ruckmani</u>	SIGNATURE: <u>[Signature]</u> 22/03/18
NAME: <u>Dr. R. KARTHIKEYAN</u>	SIGNATURE: <u>[Signature]</u> 22/3/18
NAME: <u>Dr. KALYAN KUMAR</u>	SIGNATURE: <u>[Signature]</u> 22/3/18
NAME: <u>Dr. Kabilan Mani</u>	SIGNATURE: <u>[Signature]</u> 22/03/18



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and
Accreditation Council)

IA^{GRADE}++

Computer Science and Engineering




KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and Accreditation Council)

IA^{GRADE}++

Computer Science and Engineering

Sl. No.	Date of Board of Studies meeting
1.	06.05.2023
2.	21.01.2023
3.	25.07.2022
4.	17.12.2021
5.	12.06.2021
6.	18.11.2020
7.	24.11.2018
8.	17.02.2018

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING 22nd Board of Studies Meeting	Ref No. KCT/CSE/BOS22/2022-2023
		Prepared by: Ms.Apinaya Prethi Issued By: Dr.P.Devaki Issue Date: 06.05.2023
	MINUTES OF MEETING	Page Number: 1 of 4

Date:	06.05.2023	Time:	11.30 AM to 1.00 PM	Venue:	LH3-MBA Block
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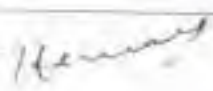
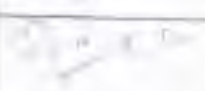
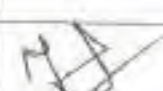

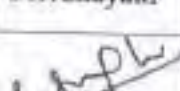
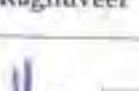
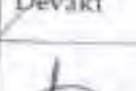
Participants of the meeting

External Panel Members

1. Prof. Hema Gopal, Anna University Nominee, Former Vice President, Tata Consultancy Service
2. Mr.Derick Jose, Subject Expert ,Founder, Flutura Decision Sciences
3. Dr. Santhi Thilagam, Professor, Department of Computer Science and Engineering, National Institute of Technology, Surathkal.
4. Dr. Salaja Silas, Associate Professor, Dept. of Computer Technology, Karunya Institute of Technology & Science, Coimbatore
5. Dr. S. Selvanayagi, Assistant Professor (SRG), Department of Science and Humanity, Kumaraguru College of Technology, Coimbatore -641049

Internal Panel Members

1. Dr. P. Devaki Professor & Head, BoS Chairman
2. Dr. Raghuveer V R, Director, KSI
3. Dr. J. Cynthia Professor/CSE
4. Dr. K. R. Baskaran, Professor/CSE
5. Dr. N.Suganthi, Professor/CSE

Mrs. Hema Gopal	Dr. Santhi Thilagam	Mr.Derick Jose	Dr. Salaja Silas	Dr. S. Selvanayagi	Dr.V.R. Raghuveer	Dr. P. Devaki
						

**KUMARAGURU COLLEGE OF TECHNOLOGY**DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING**22nd Board of Studies Meeting****MINUTES OF MEETING**Ref No. KCT/CSE/BOS22/2022-
2023

Prepared by: Ms.Apinaya Prethi

Issued By: Dr.P.Devaki
Issue Date: 06.05.2023

Page Number: 2 of 4

6. Dr. L. Latha, Professor/CSE
7. Ms. S. Rajini, Associate Professor/CSE
8. Ms. V. P. Sumathi, Associate Professor/CSE
9. Ms.C. Bharathi Priya, AP/CSE
10. Ms. S. Nithya Roopa, AP/CSE
11. Mr. V. Senthil kumar, AP/CSE
12. Mr.G.Kanagaraj, AP/CSE
13. Ms.S.Uma Maheswari, AP/CSE
14. Mr. R. Kirubakaran, AP/CSE
15. Ms.S.Nithya , AP/CSE
16. Ms.Apinaya Prethi, AP/CSE

Student Representatives

1. Kavimani S 20BCS053
2. Sneka T 20BCS091

Mrs. Hema Gopal	Dr. Santhi Thilagam	Mr.Derick Jose	Dr. Salaja Silas	Dr. S. Selvanayagi	Dr.V.R. Raghuvier	Dr. P. Devaki

**KUMARAGURU COLLEGE OF TECHNOLOGY**DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING**22nd Board of Studies Meeting****MINUTES OF MEETING**Ref No. KCT/CSE/BOS22/2022-
2023

Prepared by: Ms.Apinaya Prethi

Issued By: Dr.P.Devaki

Issue Date: 06.05.2023

Page Number: 3 of 4

MINUTES OF MEETING & ACTION POINTS

Codes: A: Action C: Comment D: Decision R: Recommendation

S.NO	CODE	DESCRIPTION & DISCUSSION POINTS
1.	C	Dr.P.Devaki,BoS Chairman welcomed and introduced the BoS members for the 22 nd BoS meeting of the CSE Department. Dr.V.R.Raghuveer ,Director,KSI introduced Kumaraguru School of Innovation (KSI) and gave an overview of its strategies and objectives. BoS members appreciated the initiatives of KSI and gave useful suggestions for strengthening the same.
2.	R	Faculty skill up gradation <ul style="list-style-type: none"> Mrs.Hema Gopal mentioned the need for providing domain specific training to the faculty members by the industry experts. Mr.Derick Jose recommended each faculty to work on consultancy projects in collaboration with Industry.
3.	C	Suggestions for new regulation <ul style="list-style-type: none"> D. Aswini, BoS convener presented vision, mission, PEOs, PSOs, feedback collected from various stakeholders on existing curriculum, Gaps identified and the proposed courses to the members. BoS members suggested revising the vision to meet the global needs. Dr.Santhi Thilagam insisted that PSOs should be program specific and also it should reflect curriculum. The new curriculum should be designed in alignment with the PSOs.

Mrs. Hema Gopal	Dr. Santhi Thilagam	Mr.Derick Jose	Dr. Salaja Silas	Dr. S. Selvanayagi	Dr.V.R. Raghuveer	Dr. P. Devaki



KUMARAGURU COLLEGE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING

22nd Board of Studies Meeting

MINUTES OF MEETING

Ref No. KCT/CSE/BOS22/2022-
2023


Prepared by: Ms.Apinaya Prethi

Issued By: Dr.P.Devaki
Issue Date: 06.05.2023

Page Number: 4 of 4

		<ul style="list-style-type: none"> Mrs.Hema Gopal suggested including courses on infrastructure for Data Center and Fundamentals of programming. Mrs.Hema Gopal also suggested standardizing the communication course by incorporating BEC certification. Dr.Santhi Thilagam insisted on adding System Design in the curriculum and respective cohort. Mrs.Hema Gopal suggested to refer from Anna University Regulation 22 and also other reputed institutions for framing new curriculum. Dr.Santhi Thilagam suggested to include Software Project Management course as Professional Elective. Dr.Santhi Thilagam recommended renaming the Exploratory Data Analytics course with Advanced Data Science.
4	D	<p>Approval for new courses</p> <ul style="list-style-type: none"> BoS Convener presented the courses GE3152-Heritage of Tamils and GE3252 Tamils and Technology as per Anna University Guidelines. BoS members approved the same. As per AICTE policy, minor specialization track on "Innovation, Entrepreneurship and Venture Development (IEV)" was presented and sought for the incorporation of the same from 2021-22 admitted batch onwards. BoS members appreciated and approved the same.
5	C	The BoS Chairman thanked all the members for their suggestions and substantial inputs provided in the meeting. Finally, the meeting was concluded with a thank you note by Dr.P.Devaki.

Mrs. Hema Gopal	Dr. Santhi Thilagam	Mr.Derick Jose	Dr. Salaja Silas	Dr. S. Selvanayagi	Dr.V.R. Raghuvier	Dr. P. Devaki

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING 21st Board of Studies Meeting	Ref No. KCT/CSE/BOS21/2022-2023
		Prepared by: Ms.Apinaya Prethi Issued By: Dr.P.Devaki Issue Date: 21.01.2023
	MINUTES OF MEETING	Page Number: 1 of 3

Date:	21.01.2023	Time:	10.30 AM to 11.30 AM	Venue:	ADM413- Video Conference Hall
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Participants of the meeting


External Panel Members

1. Prof. Hema Gopal, Anna University Nominee, Former Vice President, Tata Consultancy Service
2. Mr.Derick Jose, Subject Expert ,Founder, Flutura Decision Sciences
3. Dr. Salaja Silas, Associate Professor, Dept. of Computer Technology, Karunya Institute of Technology & Science, Coimbatore.
4. Mr. Praveen Subramani, Principal Engineer, Data Analytics Practice, TEK systems Dallas, Texas
5. Dr. Santhi Thilagani, Professor, Department of Computer Science and Engineering, National Institute of Technology, Surathkal.
6. Dr. S. Selvanayagi, Assistant Professor (SRG), Department of Science and Humanity, Kumaraguru College of Technology, Coimbatore -641049

Internal Panel Members

1. Dr. P. Devaki Professor & Head, BoS Chairman
2. Dr. J. Cynthia Professor/CSE
3. Dr. K. R. Baskaran, Professor/CSE
4. Dr. N.Suganthi, Professor/CSE
5. Dr. L. Latha, Professor/CSE
6. Ms. S. Rajini, Associate Professor/CSE

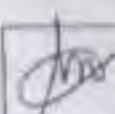
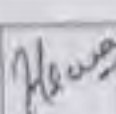
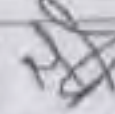
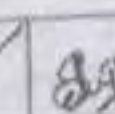
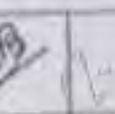

					PKE	ABSENT	
Dr. P.Devaki	Prof. Hema Gopal	Mr.Derick Jose	Dr. Salaja Silas	Dr. Santhi Thilagani	Mr. Praveen Subramani	Mr. Dural Thodie	Dr. S. Selvanayagi


	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING 21st Board of Studies Meeting	Ref No. KCT/CSE/BOS21/2022-2023
		Prepared by: Ms.Apinaya Prethi Issued By: Dr.P.Devaki Issue Date: 21.01.2023
	MINUTES OF MEETING	Page Number: 2 of 3

7. Dr. E.A. Vimal, Associate Professor/CSE
8. Ms. V. P. Sumathi, Associate Professor/CSE
9. Ms.M.Sugunya, AP/CSE
10. Ms.C. Bharathi Priya, AP/CSE
11. Ms. S. Nithya Roopa, AP/CSE
12. Mr. V. Senthil kumar, AP/CSE
13. Ms. X.Francis Jency, AP/CSE
14. Mr.G.Kanagaraj, AP/CSE
15. Ms.S.Uma Maheswari, AP/CSE
16. Ms.D.Yamunathangam, AP/CSE
17. Ms.N.Jeba, AP/CSE
18. Mr. R. Kirubakaran, AP/CSE
19. Mr.P.K.Arjun, AP/CSE
20. Ms.S.Nithya , AP/CSE
21. Ms.Apinaya Prethi, AP/CSE

Student Representatives

1. Raswanth.V 19BCS020
2. Swetha.S 19BCS047

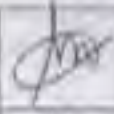
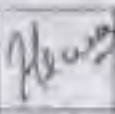
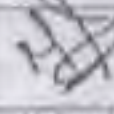
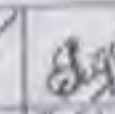

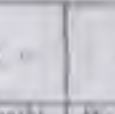
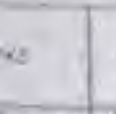
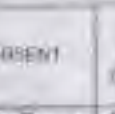
					MC	ABSENT	
Dr. P.Devaki	Prof. Hema Gopal	Mr.Derick Jose	Dr. Sabaja Silas	Dr. Santhi Thilagani	Mr.Praveen Subramani	Mr. Dorai Thiruda	Dr. S. Selvanayagi


	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING 21st Board of Studies Meeting	Ref No. KCT/CSE/BOS21/2022-2023
		Prepared by: Ms.Apinaya Prethi Issued By: Dr.P.Devaki Issue Date: 21.01.2023
	MINUTES OF MEETING	Page Number: 3 of 3

MINUTES OF MEETING & ACTION POINTS

Codes: A: Action C: Comment D: Decision R: Recommendation

S.NO	CODE	DESCRIPTION& DISCUSSION POINTS
1.	C	Dr. P. Devaki, BoS chairman welcomed and introduced the BoS members for the 21 st BoS meeting of the CSE Department.
2.	R	Faculty skill up gradation <ul style="list-style-type: none"> Prof. Hema Gopal insisted upon the need for training the faculty in recent technologies. To improve the teaching and learning process, Mr. Derick Jose has given insight on learning concepts by including workshops and seminars.
3	C	Suggestions for Regulation 2023 and assessment patterns <ul style="list-style-type: none"> Mr. Derick Jose advised the faculty members to allow students to share narratives in order to hone their skills and evaluate according to their innovative ability. Mr. Derick Jose stressed upon the industry perspective of skill development and stated that students should acquire in-depth knowledge.
4	D	Approval for new courses <ul style="list-style-type: none"> Dr. P. Devaki presented the syllabus of U18CSI5205-Mobile Application Development Using Android. It was introduced as professional core in lieu of Engineering clinic-V in semester 5. Also, U18CSOD011-Social Data Analytics and Visualization open elective course syllabus was presented to the members. The panel members approved both the courses.
5	C	<ul style="list-style-type: none"> The BoS Chairman thanked all the members for their suggestions and substantial inputs provided in the meeting. Finally, the meeting was concluded with a thank you note by Dr.P.Devaki.

							
Dr. P.Devaki	Prof. Hema Gopal	Mr.Derick Jose	Dr. Suleia Balar	Mr. Santhi Thilagam	Mr. Praveen Subramani	Mr. Dorai Thodla	Dr. S. Subramanyam

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING 20th Board of Studies Meeting	Ref No. KCT/CSE/BOS20/2021-2022
		Prepared by: Dr.V.Sudha Issued By: Dr.P.Devaki Issue Date: 25.07.2022
	MINUTES OF MEETING	Page Number: 1 of 3

Date:	25.07.2022	Time:	10.30 AM to 12.00 noon	Venue	Online (Microsoft Teams)
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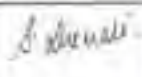




Participants of the meeting


External Panel Members

1. Prof. Hema Gopal, Anna University Nominee, Former Vice President, Tata Consultancy Service
2. Prof. Ramachandran V, Ex, Vice-Chancellor, Anna University, Trichy Campus
3. Dr. Salaja Silas, Associate Professor, Dept. of Computer Technology, Karunya Institute of Technology & Science, Coimbatore
4. Mr. Praveen Subramani, Principal Engineer, Data Analytics Practice, TEK systems Global Services Pvt Ltd, Bangalore
5. Mr. Dorai Thodla, Founder & CTO, Technology Strategies LLC
6. Mr.Sivan Ammamuthu, Delivery Head, Delivery Head – Financial Services, Capgemini Technology Services.

Internal Panel Members

1. Dr. K. R. Baskaran, Professor/CSE
2. Dr. L. Latha, Professor/CSE
3. Dr. S. Rajini, Associate Professor/CSE
4. Dr. P. Devaki, Professor & Head, BoS Chairman
5. Dr. J. Cynthia, Professor/CSE
6. Dr. N. Suganthi, Professor/CSE
7. Dr. V. Sudha, AP-II, BOS Convener/CSE

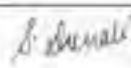
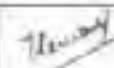

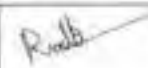

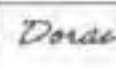
					Praveen Subramani	Dorai
Dr. P.Devaki	Prof. Hema Gopal	Mr.Sivan Ammamuthu	Prof. Ramachandran V	Dr. Salaja Silas	Mr. Praveen Subramani	Mr. Dorai Thodla


	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING 20th Board of Studies Meeting	Ref No. KCT/CSE/BOS20/2021-2022
		Prepared by: Dr.V.Sudha Issued By: Dr.P.Devaki Issue Date: 25.07.2022
	MINUTES OF MEETING	Page Number: 2 of 3

8. Ms. C. Bharathi Priya, AP/CSE
9. Ms.V.Suganya, AP/CSE
10. Ms. S. Nithya Roopa, AP/CSE
11. Ms. D. Aswini, AP/CSE
12. Mr. V. Senthil Kumar, AP/CSE
13. Mr. G. Kanagaraj, AP/CSE
14. Ms. N. Jeba, AP/CSE
15. Mr. R. Kirubakaran, AP/CSE
16. Mr.P.K. Arjun,AP/CSE

Student Representatives

1. Ms. Padmashri S (19BCS015)
2. Mr.Jithenthiriya C K (19BCS048)

					Praveen Subramani	
Dr. P.Devaki	Prof. Hema Gopal	Mr.Sivan Annamuthu	Prof. Ramachandran V	Dr. Selaja Silas	Mr. Praveen Subramani	Mr. Dorai Thodla.

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING 20th Board of Studies Meeting	Ref No. KCT/CSE/BOS20/2021-2022
		Prepared by: Dr.V.Sudha Issued By: Dr.P.Devaki Issue Date: 25.07.2022
	MINUTES OF MEETING	Page Number: 3 of 3

MINUTES OF MEETING & ACTION POINTS


Codes: A: Action C: Comment D: Decision R: Recommendation

S.NO	CODE	DESCRIPTION & DISCUSSION POINTS
1.	C,D	Dr. P. Devaki, BoS chairman welcomed and introduced the BoS members for the 20th BoS meeting of the Department of Computer science and Engineering.
2.	R, D	New Program Elective Dr.V.Sudha, BoS Convener presented the new program elective course " UI8CSE0013- PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP " to the members. She also pointed that the course follows project-based learning approach, and the syllabus was framed by Anna University in collaboration with IBM, NASSCOM and ICT Academy. All the members appreciated this initiative and approved the same.
3	R	Faculty skill upgradation The AU Nominee stressed the need to give faculty members the chance to stay current on emerging technologies. The BoS Chairman concurred and outlined the opportunities currently available to faculty members. She also explained that the faculty members are allowed to go for sabbatical leave to learn the industry practices. Dr.S.Uma Maheswari/AP/CSE had been working in Multicoreware for the last 6 months in sabbatical leave. She shared her experience with all the members. Members appreciated the efforts taken.
4	C	The BoS Chairman thanked all the members for their suggestions and substantial inputs provided in the meeting. Finally, the meeting was concluded with a thank you note by Dr.V.Sudha, BoS Convener.

P. Devaki
Dr.P.Devaki

BoS-Chairman and HOD/CSE

<i>P. Devaki</i>	<i>Hema Gopal</i>	<i>Sivan</i>	<i>Ramchandran V</i>	<i>Salaja Silas</i>	Praveen Subramani	<i>Dorai</i>
Dr. P.Devaki	Prof. Hema Gopal	Mr.Sivan Ammamuthu	Prof. Ramchandran V	Dr. Salaja Silas	Mr. Praveen Subramani	Mr. Dorai Thodla

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING 19th Board of Studies Meeting	Ref No. KCT/CSE/BOS19/2021-2022
		Prepared by: Dr.V.Sudha Issued By: Dr.P.Devaki Issue Date: 17 Dec 2021
	MINUTES OF MEETING	Page Number: 1 of 5

Date:	17 December 2021	Time:	10.00 AM to 11.30 AM	Online	Microsoft Teams
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Participants of the meeting

External Panel Members

1. Prof. Hema Gopal, Anna University Nominee, Former Vice President, Tata Consultancy Service
2. Dr. P. Santhi Thilagam, Professor, Department of Computer Science and Engineering, National Institute of Technology, Surathkal.
3. Prof. Ramachandran V, Ex, Vice-Chancellor, Anna University, Trichy Campus
4. Dr. Salaja Silas, Associate Professor, Dept. of Computer Technology, Karunya Institute of Technology & Science, Coimbatore
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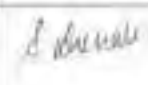

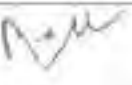
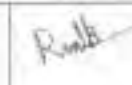

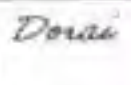
Internal Panel Members


Module Coordinators

1. Dr. K. R. Baskaran, Professor/CSE
2. Dr. L. Latha, Professor/CSE
3. Dr. S. Rajini, Associate Professor/CSE
4. Dr. V. P. Sumathi, Associate Professor/CSE
5. Dr. S. J. Syed Ali Fathima, Assistant professor/CSE

Faculty Members

6. Dr. P. Devaki, Professor & Head, BoS Chairman
7. Dr. J. Cynthia, Professor/CSE
8. Dr. N. Suganthi, Professor/CSE

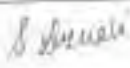
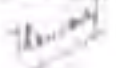
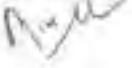



					Praveen Subramani	
Dr. P.Devaki	Prof. Hema Gopal	Dr.P.Santhi Thilagam	Prof Ramachandran V	Dr. Salaja Silas	Mr. Praveen Subramani	Mr. Dorai Thodla,

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING 19th Board of Studies Meeting	Ref No. KCT/CSE/BOS19/2021- 2022
		Prepared by: Dr.V.Sudha Issued By: Dr.P.Devaki Issue Date: 17 Dec 2021
	MINUTES OF MEETING	Page Number: 2 of 5

9. Dr. D. Sathya, AP-II/CSE
10. Dr. V. Sudha, AP-II, BOS Convener/CSE
11. Ms. C. Bharathi Priya, AP/CSE
12. Mr. S.P. Siddique Ibrahim, AP/CSE
13. Ms. S. Nithya Roopa, AP/CSE
14. Ms. D. Aswini, AP/CSE
15. Mr. V. Senthil Kumar, AP/CSE
16. Ms. X. Francis Jency, AP/CSE
17. Mr. G. Kanagaraaj, AP/CSE
18. Ms. N. Jeba, AP/CSE
19. Mr. R. Kirubakaran, AP/CSE
20. Dr. S. Selvanayagi, AP (SRG)/SFS

Student Representatives

1. Ms. Reena Dharshini S (18BCS099)
2. Ms. Lokeshwaran N G (18BCS072)

					Praveen Subramani	
Dr. P.Devaki	Prof. Hema Gopal	Dr.P.Santhi Thilagani	Prof. Ramachandran V	Dr. Salaja Silas	Mr. Praveen Subramani	Mr. Dorai Thodiy



KUMARAGURU COLLEGE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING
19th Board of Studies Meeting

Ref No. KCT/CSE/BOS19/2021-2022

Prepared by: Dr.V.Sudha
Issued By: Dr.P.Devaki
Issue Date: 17 Dec 2021

MINUTES OF MEETING

Page Number: 3 of 5

Highlights: Approval for Bridge course, Minor Specialization Courses and recommendations for new curriculum

MINUTES OF MEETING & ACTION POINTS

Codes: A: Action C: Comment D: Decision R: Recommendation

S.NO	CODE	DESCRIPTION & DISCUSSION POINTS																														
1.	C,D	<ul style="list-style-type: none"> Dr. P. Devaki, BoS chairman welcomed and introduced the BoS members for the 19th BoS meeting of the Department of Computer science and Engineering. Dr.V.Sudha, BoS Convener presented the action taken report of previous BOS meeting, DAB meeting and PAC meeting. She told that recommendations/suggestions received will be incorporated in R22 curriculum 																														
2.	R, D	<p>New Courses</p> <ul style="list-style-type: none"> In the current academic year, minor specialization is being implemented. This specialization is offered for non-CSE students. The Department of CSE offers three specialization tracks. The following courses' syllabus were presented to the panel for approval by Dr.V.Sudha. <p style="text-align: center;">Minor Specialization</p> <table border="1"> <thead> <tr> <th>S.No</th><th>Course code</th><th>Course Title</th></tr> </thead> <tbody> <tr> <td colspan="3" style="text-align: center;">Internet of Things</td></tr> <tr> <td>1.</td><td>U18CSR3001</td><td>IoT Fundamentals and Applications</td></tr> <tr> <td>2.</td><td>U18CSR4202</td><td>IoT Protocols and Programming</td></tr> <tr> <td>3.</td><td>U18CSR5203</td><td>IoT Analytics</td></tr> <tr> <td>4.</td><td>U18CSR6004</td><td>Industrial IoT</td></tr> <tr> <td>5.</td><td>U18CSR7705</td><td>Capstone Project</td></tr> <tr> <td colspan="3" style="text-align: center;">Cyber Security</td></tr> <tr> <td>6.</td><td>U18CSR3011</td><td>Introduction to Cyber Security</td></tr> <tr> <td>7.</td><td>U18CSR4012</td><td>Network Security and cryptography</td></tr> </tbody> </table>	S.No	Course code	Course Title	Internet of Things			1.	U18CSR3001	IoT Fundamentals and Applications	2.	U18CSR4202	IoT Protocols and Programming	3.	U18CSR5203	IoT Analytics	4.	U18CSR6004	Industrial IoT	5.	U18CSR7705	Capstone Project	Cyber Security			6.	U18CSR3011	Introduction to Cyber Security	7.	U18CSR4012	Network Security and cryptography
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					Praveon Subramani	Dorai
Dr. P.Devaki	Prof. Hema Gopal	Dr. P.Santhi Thilagani	Prof. Ramachandran V.	Dr. Salaja Silas	Mr. Praveon Subramani	Mr. Dorai Thodla,



KUMARAGURU COLLEGE OF TECHNOLOGY
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MINUTES OF MEETING

Page Number: 4 of 5

8.	U18CSR5213	Ethical Hacking and Network Defense
9.	U18CSR6214	Cyber Forensics
10.	U18CSR7715	Mini Project
11.	U18CSR7516	Industry Interaction
Enterprise Networking and Network Programming		
12.	U18CSR3221	CCNA - Introduction to Networks
13.	U18CSR4222	CCNA - Switching, Routing & Wireless Essentials
14.	U18CSR5223	CCNA - Enterprise Networking, Security & Automation
15.	U18CSR6224	TCP/IP Socket Programming using Python
16.	U18CSR7725	Mini Project
17.	U18CSR7526	Industry Interaction

Bridge Course

A bridge course for first-year students is proposed for their benefit. The BoS convener presented the bridge course syllabus (U18CST0101/ Basics of Computing) to the BoS panel for approval. The members of the BoS panel praised the addition of minor specialization and a bridge course, and they approved it. The necessity of the bridge course was emphasized by Prof. Hema Gopal.

3. R, C **Innovative Teaching / Learning / Assessment Methods**
- The use of new strategies in the teaching and learning process is discussed. The panelists praised the use of modern technology in the classroom. Prof V. Ramachandran and Prof. Hema Gopal proposed incorporating Hackerrank-like tool into all potential courses. Prof. Hema Gopal also mentioned that many employers utilize Hackerrank to screen candidates.
 - Mr. Dorai Thodla asked to do learning analytics to determine the efficacy of various technologies in the teaching and learning process. He also emphasized the need of intellectual knowledge. To strengthen the presenting and communication skills, I suggested to incorporate group discussion.

<i>S. Devaki</i>	<i>Hema Gopal</i>	<i>Dr. P. Santhi</i>	<i>Prof. Ramachandran V</i>	<i>Dr. Salaja Silas</i>	Praveen Subramani	<i>Dorai</i>
Dr. P. Devaki	Prof. Hema Gopal	Dr. P. Santhi Thilagani	Prof. Ramachandran V	Dr. Salaja Silas	Mr. Praveen Subramani	Mr. Dorai Thodla



KUMARAGURU COLLEGE OF TECHNOLOGY
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MINUTES OF MEETING

Page Number: 5 of 5

S.NO	CODE	DESCRIPTION& DISCUSSION POINTS
4.	C, R	<p>Suggestion for R22 curriculum</p> <ul style="list-style-type: none"> Mr. Dorai Thodla advised including Natural Language Processing and language models such as Large Language Models (LLM) and Generative Pre-trained Transformer (GPT) because data engineers are in high demand in industry. Prof. Hema Gopal suggested to include mathematics and logical science, scripting languages, data engineering and visualization tools. She also stated that students need exposure to application domains such as banking to apply their computer knowledge in real-time applications. Dr. P. Devaki informed that most of the courses in the curriculum includes experiments from real life examples. The panelists suggested that optimization strategies be included. Industry experts recommend that courses on cloud computing and data engineering must contain more practical component.
5.	R, D	Dr.V.Sudha presented the panel of examiners for theory and laboratory courses for the academic year 2021-2022. The targets for CO, PO & PSO attainment decided by getting feedbacks from Department Advisory Board members were discussed.
6.	C	Finally, the meeting ended with a thank you note by Dr. P. Devaki, BoS-Chairman. The Chairman thanked all the panel members for their valuable suggestions and contributions.

P. Devaki
Dr.P.Devaki

BoS-Chairman and HOD/CSE

<i>P. Devaki</i>	<i>Hema Gopal</i>	<i>P. Santhi</i>	<i>Ramachandran V</i>	<i>Dr. Salaja Silas</i>	Praveen Subramani	<i>Dorai</i>
Dr. P.Devaki	Prof. Hema Gopal	Dr.P.Santhi Thilagani	Prof. Ramachandran V	Dr. Salaja Silas	Mr. Praveen Subramani	Mr. Dorai Thodla

**KUMARAGURU COLLEGE OF TECHNOLOGY****COIMBATORE- 641 049****(An Autonomous Institution Affiliated to Anna University, Chennai)****MINUTES OF BOARD OF STUDIES MEETING**

Department: COMPUTER SCIENCE AND ENGINEERING**Program: UG****Venue: Virtual (Ms Teams)****Date: 12.06.2021****Time: 09.30 AM**

The Virtual 18th Board of Studies meeting for Computer Science and Engineering was held on June 12, 2021 at 9.30 am. It was chaired by Dr. P. Devaki, Chairman – BoS for B.E. Computer Science and Engineering Programme. The Chairman informed that the meeting has been called to review the updates like, ATR, inclusion of new courses, target for CO/PO, Panel of examiners, etc. The following external members, module coordinators, internal members, and student representatives were present.

External Members

1. Prof. Hema Gopal, Anna University Nominee, Former Vice President, Tata Consultancy Service
2. Dr. P. Santhi Thilagam, Professor, Department of Computer Science and Engineering, National Institute of Technology, Surathkal,
3. Prof. Ramachandran V, Ex, Vice-Chancellor, Anna University, Trichy Campus
4. Dr. Salaja Silas, Associate Professor, Dept. of Computer Technology, Karunya Institute of Technology & Science, Coimbatore
5. Mr. Arun Pratap A, Specialist, Robert Bosch Engineering and Business Solutions, Coimbatore
6. Mr. Praveen Subramani, Principal Engineer, Data Analytics Practice, TEK systems Global Services Pvt Ltd, Bangalore
7. Mr. Dorai Thodla, Founder & CTO, Technology Strategies LLC
8. Mr. Gokul Kumar K, Co-founder & CTO, Vusar, California Executive Consultant, Forge
9. Mr. Sivan Ammamuthu, Delivery Head - FS Switzerland Continental Europe Financial Services.

Module Coordinators

1. Dr. K. R. Baskaran, Professor/CSE
2. Dr. L. Latha, Professor/CSE

3. Dr. S. Rajini, Associate Professor/CSE
4. Dr. V. P. Sumathi, Associate Professor/CSE
5. Dr. S. J. Syed Ali Fathima, Assistant professor/CSE

Internal Members

1. Dr. P. Devaki, Professor & Head, BoS Chairman
2. Dr. J. Cynthia, Professor/CSE
3. Dr. N. Suganthi, Professor/CSE
4. Dr. E. A. Vimal, ASP/CSE
5. Dr. D. Sathya, AP-II/CSE
6. Dr. V. Sudha, AP-II, BOS Convener/CSE
7. Ms. C. Bharathi Priya, AP/CSE
8. Mr. S.P. Siddique Ibrahim, AP/CSE
9. Ms. S. Nithya Roopa, AP/CSE
10. Ms. D. Aswini, AP/CSE
11. Mr. V. Senthil Kumar, AP/CSE
12. Ms. X. Francis Jency, AP/CSE
13. Mr. G. Kanagaraj, AP/CSE
14. Ms. D. Yamunathangam, AP/CSE
15. Ms. N. Jeba, AP/CSE
16. Mr. R. Kirubakaran, AP/CSE
17. Dr. S. Selvanayagi, AP (SRG)/SFS

Student Representatives

1. Ms. Reena Dharshini S (18BCS099)
2. Ms. Lokeshwaran N G (18BCS072)

Dr. P. Devaki, BoS chairman welcomed and introduced the BoS members for the 18th BoS meeting of the Department of Computer science and Engineering. She handed over the presentation to Dr. V. Sudha, BoS Convener. She started the presentation with the summary of action taken report of previous BoS meeting. Followed by that, new one credit and protosem courses (programme electives) were presented. The panel of examiners for theory and laboratory courses for the AY 2021-2022 were presented. The targets for CO, PO & PSO attainment decided by getting feedbacks from Department Advisory Board members were discussed. The following were the targets finalized for CO, PO and PSO.

- **Targets for Course Outcomes (COs)**

Individual CO in a course has different target based on the knowledge level (minimum: 55% to maximum: 80%)

- **Targets for Programme Outcomes (POs)**

PO1- PO5 : Level 3 ($\geq 80\%$)

PO6 - PO12 : Level 2 (50% to 80%)

- **Targets for PSOs**

PSOs 1, 2 and 3: Level 2 (50% to 80%)

Finally, the meeting ended up with a thank you note by Dr. P. Devaki, BoS-Chairman. The Chairman thanked all the members for their suggestions and substantial inputs provided in the meeting. The following are the points discussed in the meeting.

Syllabus – updation and relevance to industrial, career requirement

List of one credit courses suggested for skill upgradation of the student is presented to the members. Followed by it, the course equivalence for the protosem courses were presented and the BoS members approved the same.

One credit courses

Course Code	Course Name
U18CSIN001	Cyber Forensics
U18CSIN002	Augmented Reality
U18CSIN003	Web Application Development using NodeJS

Protosem courses

Protosem Courses			Course Equivalence
S.No	Course Code	Course Name	R18
1	U18CSPS11	Applied Design Thinking	
2	U18CSPS17	Startup Fundamentals	Open Elective – II
3	U18CSPS23	Computational Hardware	Programme Elective- II
4	U18CSPS24	Coding for Innovators	
5	U18CSPS25	Prototype Development	Programme Elective- III
6	U18CSPS28	Data Life Cycle Management	Programme Elective- IV
7	U18CSPS29	ML/MLOps	

Course Delivery - Mode and effectiveness:

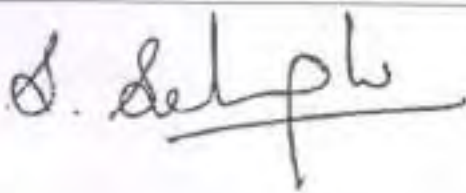
The innovative teaching learning and assessment methods followed by the faculty members were discussed.

P. Devaki

Dr.P.Devaki,

HoD/CSE and BoS Chairman

Name	Signature
Prof. Hema Gopal (Anna University Nominee)	<i>Hema</i>
Dr. P. Santhi Thilagam (Academic Expert)	<i>Santhi</i>
Prof. Ramachandran. V (Academic Expert)	<i>Rmb</i> 30/6/2021
Dr. Salaja Silas (Academic Expert)	<i>Salaja</i>
Mr. A. Arun Pratap (Expert from Industry)	<i>A.A.</i>
Mr. Praveen Subramani (Expert from Industry)	Praveen Subramani
Mr.Dorai Thodla (Expert from Industry)	Dorai
Gokul Kumar.K (Expert from Industry)	<i>gokul kolandavel</i>
Mr.Sivan Ammamuthu (Industry Expert)	<i>Av</i>

Dr. S. Selvanayagi (Faculty member from allied department)	
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Distribution

- 1.All members-with request to give their comments on the minutes
- 2.Convener

Copy for kind information

- 1.Chairman-Academic Council and Principal
- 2.Correspondent
- 3.Joint Correspondent

**KUMARAGURU COLLEGE OF TECHNOLOGY**

COIMBATORE- 641 049

(An Autonomous Institution Affiliated to Anna University, Chennai)

MINUTES OF BOARD OF STUDIES MEETING

Department: COMPUTER SCIENCE AND ENGINEERING	Program: UG
Venue: Virtual (Ms Teams)	Date: 18.11.2020
	Time: 11.00 AM

The Virtual Board of Studies meeting for Computer Science and Engineering was held on November 18, 2020 at 12.00 noon. It was chaired by Dr. P. Devaki, Chairman – BoS for B.E. Computer Science and Engineering Programme. The Chairman informed that the meeting has been called to review the curriculum and syllabus of 7th and 8th semester 2018 Regulation. The following external members, module coordinators, internal members, and student representatives were present.

External Members

1. Prof. Hema Gopal, Anna University Nominee, Former Vice President, Tata Consultancy Service
2. Prof. Ramachandran V, Ex, Vice-Chancellor, Anna University, Trichy Campus
3. Dr. Salaja Silas, Associate Professor, Dept. of Computer Technology, Karunya Institute of Technology & Science, Coimbatore
4. Mr. Arun Pratap A, Specialist, Robert Bosch Engineering and Business Solutions, Coimbatore
5. Mr. Praveen Subramani, Principal Engineer, Data Analytics Practice, TEK systems Global Services Pvt Ltd, Bangalore
6. Mr. Dorai Thodla, Founder & CTO, Technology Strategies LLC
7. Mr. Derick Jose, Founder, Flutura Decision Sciences
8. Mr. Gokul Kumar K, Co-founder & CTO, Vusar, California Executive Consultant, Forge

Module Coordinators

1. Dr. K. R. Baskaran, Professor/CSE
2. Dr. L. Latha, Professor/CSE
3. Dr. S. Rajini, Associate Professor/CSE
4. Ms. C. Bharathi Priya, Assistant Professor-II/CSE
5. Dr. S. J. Syed Ali Fathima, Assistant professor/CSE

18.11.2020

Venue: Virtual (Ms Teams)

Internal Members

1. Dr.P. Devaki, Professor & Head, BoS Chairman
2. Dr. J. Cynthia, Professor
3. Dr. E. A. Vimal, ASP
4. Dr. D. Sathya, AP-II
5. Ms. V. Sudha, AP-II, BOS Convener
6. Mr. S.P. Siddique Ibrahim, AP
7. Ms. S. Nithya Roopa, AP
8. Ms. D. Aswini, AP
9. Mr. V. Senthil Kumar, AP
10. Ms. X. Francis Jency, AP
11. Mr. G. Kanagaraj, AP
12. Ms. D. Yamunathangam, AP
13. Ms. S. Uma Maheswari, AP
14. Ms. N. Jeba, AP
15. Mr. R. Kirubakaran, AP
16. Dr. S. Selvanayagi, Assistant Professor (SRG), Department of Science and Humanities,
Kumaraguru College of Technology
17. Dr. D. Saravanan, Dean, Kumaraguru College of Technology

Student Representatives

1. Mr. Armaan Sait (17BCS011)
2. Ms.M. S. Yamuna (17BCS123)

Dr. P. Devaki, BoS chairman welcomed and introduced the BoS members for the 17th BoS meeting of the Department of Computer science and Engineering. She handed over the presentation to Ms.V.Sudha, BoS Convener. She started the presentation with brief introduction to the Program Educational Objectives, Program Outcomes, Program Specific Outcomes of B.E – Computer Science and Engineering. She explained the highlights of R18 curriculum and presented the curriculum to the members. BoS convener also presented the extracts and measures taken up as the outcome of Program Advisory Committee, Department Advisory Board, and previous Board of Studies meeting. Program Outcome attainment for past three years was also discussed.

Finally, the meeting ended up with a thank you note by Dr. P. Devaki, BoS-Chairman. The Chairman thanked all the members for their suggestions and substantial inputs provided in the meeting. The following are the suggestions given by the members.

18.11.2020

Venue: Virtual (Ms Teams)

Curriculum - balance of courses as per domain, pre-requisites

1. Prof. Ramachandran suggested to introduce object-oriented concepts in second semester or prior to Python programming. He also pointed out that students could understand the Python programming in a right way if they know the object-oriented concepts.
2. Prof. Hema Gopal also suggested to include the object-oriented concepts in Python programming. She also suggested to include Fundamentals of Programming concepts in structured programming using C course.
3. Prof. Ramachandran appreciated the introduction of Engineering Clinic courses (project based) in curriculum. He also said that engineering clinics courses were planned in proper way.
4. The members suggested to include course on image processing as most of the applications in Machine and Deep Learning involve images.
5. BoS members insisted to include Android application development course in the curriculum.
6. Dr. Salaja Silas informed that as in IEEE ACM guidelines more weightage is given for security, it would be good if we include atleast one paper in the core.
7. Since, Principles of Compiler Design (PCD) is a part of GATE syllabus, Dr. Salaja Silas insisted to include PCD as a core paper.
8. The following amendments are made in R17 & R18 curriculum to update the same with recent trends and introduce industry relevant courses. The BoS members approved the same.

Course Code	Course Name
U17CSE0011/ U18CSE0011	Declarative Development of Customized Applications
U17CSE0013	ADX 201-Salesforce Administrator
U17CSE0014/ U18CSE0012	Blockchain Technology and its Applications

9. The Bos convener told that it was decided by the Institute curriculum committee to replace "Professional Communication & Analytical Reasoning" in semester-7 with Programme Elective - IV. The BoS committee members accepted the same.

Syllabus - updation and relevance to industrial, career requirement

1. U18CST7201/Cloud Computing & U18CST7002/Machine Learning Techniques:
Members insisted to use generic tool for implementation. Respective course owners accepted the same.

18.11.2020

Venue: Virtual (Ms Teams)

2. U18CSP7703/ U18CSP8701/Project Phase-I/II: Mr. Praveen Kumar and Mr. Arun Pratap asked to insist the students to take up industry-based projects.
3. Prof. Hema Gopal mentioned that students should be able to develop a mini software product where they should apply the knowledge of front end, backend, and programming.
4. Dr. Salaja Silas informed to ensure the syllabus of physics and mathematics course does not intersect with higher secondary school syllabus. BoS chairman accepted the same.
5. Mr. Praveen Kumar and Mr. Arun Pratap suggested to include experiments on OS installation in Operating System course.
6. Mr. Arun Pratap suggested to include some reactive frameworks in Web technology course. He also insisted to include a practical component for ML course in seventh semester.
7. Dr. Salaja Silas told that it would be better if the Digital course content can be merged with Basic electronic course offered in first semester.

Course Delivery - Mode and effectiveness:

1. Mr. Praveen Kumar and Dr. Salaja Silas insisted to narrow down the open elective courses offered to CSE students and to ensure that equal weightage is given for all the OE courses.

Student's knowledge and skill development

List of online courses suggested for skill upgradation of the student is presented to the members. Followed by it, the credit transfer for the following NPTEL courses and Internship are approved.

NPTEL-Swayam Courses

Course Code/Course Name	Number of Students
U17CSE0015/ Introduction to Internet of Things	1
U17CSE0016/ Ethical Hacking	4
U17CSE0017/ The Joy of Computing Using Python	5

Internship (U17INP7701)

Internship details	Number of Students
AI & Machine Learning at the University of Texas, Dallas	2
Instrument Cluster App Development for Kumaraguru Autonomous Campus Utility Vehicle at KCIRI	5
Electrification of IC Engine Tractor at KCIRI in association with BOSCH, Coimbatore	2

18.11.2020

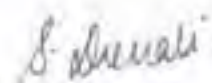
Venue: Virtual (Ms Teams)

Protosem courses

S.No	Courses offered in Protosem by Forge		Course mapped in curriculum
	Course Code	Course Name	
1	U17CSPS11/ U18CSPS11	Applied Design Thinking	Open Elective
2	U17CSPS12/ U18CSPS12	Electronic System Design	Programme Elective-IV
3	U17CSPS13 / U18CSPS13	Embedded System Design and Development	Programme Elective- I
4	U17CSPS14/ U18CSPS14	Artificial Intelligence of Things	U17CST7003/ Machine Learning Techniques
5	U17CSPS15/ U18CSPS15	APP Development and Android Things	Programme Elective- II
6	U17CSPS16/ U18CSPS16	Industrial Design and Product Development	Programme Elective-III
7	U17CSPS17/ U18CSPS17	Startup Fundamentals	Open Elective
8	U17CSPS18/ U18CSPS18	IPR Fundamentals and Patent Drafting	Unmapped (Additional Credits)
9	U17CSPS19 / U18CSPS19	MUP Design and Development	Engineering Clinic-V

Faculty and support faculty development / training:

The list of thrust areas and the faculty specialization were presented.



Dr.P.Devaki,
HoD/CSE and BoS Chairman

Distribution

- 1.All members-with request to give their comments on the minutes
- 2.Convener

Copy for kind information

- 1.Chairman-Academic Council and Principal
- 2.Correspondent
- 3.Joint Correspondent

18.11.2020

Venue: Virtual (Ms Teams)



KUMARAGURU
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MINUTES OF BOARD OF STUDIES MEETING

Department: Computer Science and Engineering

Program: B.E-CSE

Venue: MBA-Lecture Hall-7

Date: 24/11/2018

Time: 10:30 AM

The Board of Studies meeting for Computer Science and Engineering was held on November 24, 2018 at 10:30 AM in MBA-Lecture Hall-7, KCT. It was chaired by Dr. J. Cynthia, Chairman – BoS for B E Computer Science and Engineering Programme. The following external and internal members were present.

External Members

1. Dr. S. Chitrakala, Anna University Nominee (AUN), Professor, Department of Computer Science and Engineering, Anna University, Chennai 600 025.
2. Dr. T. K. S. Lakshmipriya, Professor & Head, Department of Printing Technology, Faculty of Engineering, Avinashilingam University, Coimbatore.
3. Dr. G. Subhashni, Professor, Department of Robotics & Automation Engineering, PSG College of Technology, Coimbatore.

Internal Members

1. Dr. J. Senthil, Principal
2. Dr. J. Cynthia, HoD and Chairman – BoS
3. Dr. P. Devaki, Professor
4. Dr. K. R. Baskaran, Professor
5. Dr. D. Chandrakala, Professor
6. Dr. L. Latha, Professor
7. Ms. R. Kalaiselvi, Assistant Professor – III
8. Mr. U. Thiruvazhi, Assistant Professor – III
9. Ms. S. Rajini, Associate Professor
10. Dr. V.P. Sumathi, Assistant Professor (SRG)

11. Mr. S.P. Siddique Ibrahim, Assistant Professor
12. Dr V Geetha, Head - Accreditation
13. Dr.C.S.Sentthil Kumar, Head Autonomous
14. Dr.J. Vijayaprakash, Deputy COE-Autonomous

Student Representatives

1. Mr. N. EssakiMuthu –IV-B.E(CSE)

Dr. J. Cynthia, Chairman BoS welcomed and introduced the BoS members for the 16th BoS meeting of the Department of Computer science and Engineering. She explained the highlights of R18 syllabus design and Course outcome formulation.

Ms S. Rajini, Program Coordinator briefed the Program Educational Objectives, Program Outcomes, Program Specific Outcomes of B.E – Computer Science and Engineering. She presented the CO-PO mapping and comparison of attainment of previous three years and explained the introduction of project based learning has improved POs associated with skill and attitude. She presented the extracts and measures taken up as the outcome of Program Advisory Committee and Department Advisory Board.

Dr. D. Chandrakala, Convener presented the minutes of previous Board of Studies meeting and action taken to address the concerns and modifications made in syllabus.

I. Curriculum - balance of courses as per domain, pre-requisites

1. Dr. D. Chandrakala – Convener presented the unique features of R17 and R18 curriculum along with the credit distribution. She explained the inclusion of Project based course, Engineering Clinics in the curriculum as a component to empower the practical learning skill of the student. Also she mentioned that the curriculum and syllabus has been framed based on the curriculum given by AICTE.
2. External members approved the amendments made to R15 regulations on the inclusion of new programme electives and one credit courses.

The following table gives the details of new programme electives added in R15 regulation:

Course Code	Course Name
U15CSTE42	Electronic System Design
U15CSTE43	Embedded System Design and Development
U15CSTE44	Advanced Java Programming
U15CSTE45	Declarative Development for Platform App Builders
U15CSTE46	User Interface Technologies
U15CSTE47	Agile Software Development

The following table gives the details of new one credit courses added in R15 regulation:

Course Code	Course Name
U15CSIN11	Web application development using Nodejs
U15CSIN12	Web application development using Angularjs

II. Syllabus - updation and relevance to industrial, career requirement

1. U17CSI3201/U18CSI3201- Data Structures - Dr. T. K. S. Lakshmipriya suggested the laboratory component could be included with the real time application of Data Structures. Ms. X Francis Jency, course owner justified that the same is included in lab component. Dr. G. Subhashni, suggested that "Introduction to Graphs" may be included in this course and it was accepted by all the members.
2. U17CST3003/U18CST3003- Computer Architecture - AUN suggested to include the GPU architecture as a part of the syllabus content and was accepted by all members.
3. U17CSI3204/U18CSI3204- Database Management Systems- AUN and Dr. T. K. S. Lakshmipriya suggested to include "Introduction to Advanced Databases" in this course and all other members accepted the same. It was agreed to introduce the content in syllabus.
4. U17CSI4202/U18CSI4202-Operating Systems - AUN and Dr. T. K. S. Lakshmipriya suggested that the concepts of the different types of Operating Systems can be a part of syllabus content and case study can be included with the latest operating system concepts. The Course owner clarified that it is already a part of the laboratory component.
5. U17CSI4203/U18CSI4203-Software Engineering – Convener mentioned that the laboratory component in this course is included with the latest software development tools as per the suggestion of the Department Advisory Board.
6. U17CST5004/U18CST5004- Social Media Marketing - Dr. G. Subhashni and Dr. T. K. S. Lakshmipriya suggested that the effectiveness of the course Social Media Marketing can be improved by inclusion of real time applications pertaining to entrepreneurship like blog creation, YouTube channel creation, Real Time Analytics like Face Book Data Analytics, Twitter Data Analytics and also an Industry based connect in learning to be empowered. Chairman agreed to implement the same in association with Business school.

7. U17CST6203/U18CST6203 – Data Warehousing and Data Mining – AUN suggested that an introduction to Big Data and Business Intelligence could be included. All members accepted the same.
8. U17CSI17201/ U18CSI17201- Cloud Computing – AUN suggested that in the course Cloud Computing, the security component could be added up which enhances the core competency. Dr. G. Subhahni also insisted that virtualization content could be reduced and AWS and other technologies to be included. Ms R. Kalaiselvi explained the present arrangement of the syllabus content. It was decided to incorporate industry elective as the syllabus matched with the views given by BoS members.
9. U17CST7002/U18CST7002- Machine Learning Techniques - AUN suggested to include Mahoot component in this course. Course owner agreed to include case studies with the usage of machine learning tools.
10. U17CSE0001/U18CSE0001- Big Data Analytics – AUN insisted that the course Big Data Analytics could be renamed as Big Data Technologies or Big Data enabling Technologies. She insisted to include Recommendation system in the syllabus the same was agreed by the course owner.
11. U17CSE0005/U18CSE0005- Adhoc and Sensor Networks- AUN suggested that the Wireless multimedia sensors could be included as a study component. Other members accepted the same.
12. U17CSE0008/U18CSE0008- Principles of Compiler Design- AUN suggested that Parallelizing Compiler can be added up in the course. Other members accepted the same.
13. U17CSE0009/U18CSE0009- Graphics and Multimedia- Dr. T. K. S. Lakshmipriya suggested the incorporation of latest multimedia tools can be done in this course. The focus of learning to be done more on the practical adaptation of the tools for real time application. Dr. T. K. S. Lakshmipriya suggested the introduction of GPU usage could be given as an introductory learning component. Ms S J Syed Ali Fathima agreed that the latest software and study of 3D modeling and scene design can be included as the part of course content.
14. The following Industry syllabi has been matched with the existing courses in order to enhance the effectiveness of the course delivered. The same was accepted by all members.
 - (i) Agile Software Development
 - (ii) Internet and Web Programming
 - (iii) Software Testing

15. U15CST601- Artificial Intelligence - AUN suggested to include the topic Q- Learning under Reinforcement Learning. Other members accepted the same.

III. Course Delivery - Mode and effectiveness

1. U17CSE0005/U18CSE0005- Adhoc and Sensor Networks- AUN suggested that the Wireless multimedia sensors could be included as a study component. Other members accepted the same.
2. U17CSE0009/U18CSE0009- Graphics and Multimedia- Dr. T. K. S. Lakshmipriya suggested the incorporation of latest multimedia tools can be done in this course. The focus of learning to be done more on the practical adaptation of the tools for real time application. Dr. T. K. S. Lakshmipriya suggested the introduction of GPU usage could be given as an introductory learning component. Ms S J Syed Ali Fathima agreed that the latest software and study of 3D modeling and scene design can be included as the part of course content.

IV. Course Assessment - - Mode and effectiveness: NIL

V. Infra requirement, upgradation: NIL

VI. Student's knowledge and skill development

1. The BoS members appreciated the curriculum, introduction of new courses and introduction of student centric learning approaches.
2. Dr. S. Chitrakala and Dr. T. K. S. Lakshmipriya, recommended to include online courses like Swayam and NPTEL. External members clarified about the course equivalence offered to the students while taking up online courses. Dr J Senthil, Principal & Professor, CSE, explained the flexibility available in Regulation to incorporate the same. Members suggested verification of course availability and duration has to be made, prior to offering of the course.

VII. Faculty and support faculty development / training NIL

VIII. Faculty qualification/ specialisation – recommendation : NIL

The Chairman thanked all the members for their suggestions and substantial inputs provided in the meeting. She also requested the internal members to include the changes. The meeting concluded by 1.00 PM.

S. No.	Details of the Expert	Signature
1	Dr. S. Chitrakala, Anna University Nominee	
2	Dr. J. Cynthia-Chairman-BOS	
3	Dr. G. Subhashini-External Member	G. Subashini 
4	Dr. T.K.S. Lakshmipriya- External Member	 24/11/18
5	Dr. M. Saravanan- Industry Representative	-
6	Mr. P. Gautham- Alumni Representative	-
7	Dr. J. Senthil-Principal	
8	Dr. P. Devaki-Professor	
9	Dr. K.R. Baskaran -Professor	
10	Dr. D. Chandrakala- Convenor	
11	Dr. L. Latha-Professor	
12	Dr. N. Suganthi ASP	
13	Ms. S. Rajini. ASP	
14	Dr. E. A. Vimal. ASP	
15	Ms. R. Kalaiselvi-AP-III	
16	Mr. U. Thiruvazhi. AP-III	
17	Dr. V.P. Sumathi, AP (SRG)	
18	Dr. M. Suguna. AP-II	
19	Mr. S.P. Siddique Ibrahim, AP	
20	Student representatives 1. Ms. G. Anu (15BCS015)-IV-BE(CSE) 2. Mr. M. Isakki Muthu (15BCS211)-IV-BE(CSE)	

24.11.2018

Venue: MBA -Lecture Hall-7

21	Dr. C. S. Senthil Kumar, Head Autonomous	
22	Dr.J. Vijayaprakash, Deputy COE-Autonomous	<i>Dr. J. Vijayaprakash</i>
23	Dr V Geetha, Head- Accreditation	<i>Dr V Geetha</i>
24	Dr.StephenRaphel,DOA Representative	-

Dr. J. Cynthia
24/11/18

Dr.J.Cynthia,

HoD/CSE and Chairman-BoS

Distribution

- 1.All members-with request to give their comments on the minutes
- 2.Convenor

Copy for kind information

- 1.Chairman-Academic Council and Principal
- 2.Correspondent
- 3.Joint Correspondent



KUMARAGURU COLLEGE OF TECHNOLOGY

COIMBATORE- 641 049

(An Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Ref:KCT/CSE/BOS/MoM

Date:17.02.2018

MINUTES OF THE FIFTEENETH BOARD OF STUDIES MEETING

The Board of Studies meeting for Computer Science and Engineering was held on February 17, 2018 at 09:30AM in Training Centre, KCT. It was chaired by Dr. J. Cynthia, Chairman – BoS for B.E. Computer Science and Engineering Programme. The following external and internal members were present.

External Members

1. Dr. S. Chitrakala, Anna University Nominee (AUN), Associate Professor, Department of Computer Science and Engineering, Anna University, Chennai 600 025.
2. Dr. T. K. S. Lakshmipriya, Professor & Head, Department of Printing Technology, Faculty of Engineering, Avinashilingam University, Coimbatore.
3. Dr. G. Subhashni, Associate Professor, Department of Information Technology, PSG College of Technology, Coimbatore.
4. Dr. M. Saravanan, Principal Researcher, Ericsson Research India, Chennai.
5. Mr. P. Gautham, Data Scientist, Sports Mechanics India Pvt Ltd, Chennai

Internal Members

1. Dr. J. Cynthia, HoD and Chairman – BoS
2. Dr. P. Devaki, Professor
3. Dr. K. R. Baskaran, Professor
4. Dr. D. Chandrakala, Professor
5. Dr. I. Latha, Professor
6. Dr. G. S. Nandakumar, Associate Professor
7. Ms. R. Kalaiselvi, Assistant Professor – III
8. Mr. U. Thiruvazhi, Assistant Professor – III
9. Dr. J. Vijayaprakash, Deputy CoE
10. Dr. E. A. Vimal, Deputy CoE
11. Dr. Stephen Raphel, DoA Representative

Student Representatives:

1. Ms. Dala Kowsalaya (15HCS017)
2. Ms. S. Shivavarsha (15HCS018)
3. Mr. Tsakkianuthu (15HCS211)

The Chairman informed that the meeting has been called to review the curriculum and syllabus of 2017 & 2018 Regulations of H.E. Computer Science and Engineering. The following points were discussed during the meeting:

1. The Chairman presented the unique features of R17 and R18 curriculum along with the credit distribution. The introduction of streams in R18 was proposed and accepted by all the members. She mentioned that the curriculum and syllabus has been framed based on the curriculum given by AICTE.

The following points were discussed.

1. *Biology for Computer Science* – The Chairman mentioned that the course was introduced to accommodate the Basic Science component, as it was felt that the course would be relevant for Data Analytics specialization. All the members expressed their opinion that the syllabus given is heavily loaded for a student to comprehend 2 domains in semester 2. After deliberations, it was decided and accepted by all the members to reduce the syllabus content. AUN suggested modifying the syllabus to comprise one unit on Fundamentals of Science. The remaining units to include the content required to bridge the gap between Science and Computing. She emphasized that the course should be handled by a CSE Faculty. Dr. T. K. S. Lakshmipriya suggested including data acquisition, data extraction and pattern extraction with the use of simulation tools or MS Office Suite. She further emphasized to focus on the logic for data extraction rather on programming. She also recommended that the course outcome should be in line with the programme outcome. Mr. Gautham recommended removing Wet Lab in the lab component and using MS Excel which has many features for extraction of data and processing as well for Lab component. He further suggested that students should know the basics of Probability and Statistics to understand the process involved. The Chairman confirmed that Probability and Statistics is studied by students in the same semester. All the members suggested changing the name of the course.
2. *U18CSI2202 - Digital System and Microprocessor* – AUN suggested to include concepts on Memory and I/O Interfacing. She also recommended changing the title of Unit IV to 8086 System Design instead of 8086 System Bus Structure. In addition, Dr. M.

Saravanan, suggested to include experiments with interfacing of chips and sensors required for Internet of Things.

3. Dr. M. Saravanan suggested to include courses like Agile Software Development, Software Testing etc.,
4. AUN suggested to include Graphs in U17CSI3201/U18CSI3201 - Data Structures, which is a common course for both R17 and R18.
5. Dr. M. Saravanan, Industry representative audited all the laboratory courses and provided the following feedback,
 - a. All laboratory courses to introduce a use case such that the students understand every concept in real time,
 - b. Inclusion of Open DB and UCL concepts in, *U17CSI3204/U18CSI3204-Data Base Management Systems*.
 - c. *U17CSI4203/U18CSI4203 - Software Engineering* – To include Test Automation.
6. Student Representatives suggested the inclusion of Business Intelligence tools.
7. The members approved the amendments made to R14 and R15 regulations on the inclusion of new electives, one credit courses and open electives.

- a. The following table gives the details of new programme electives added in R14 and R15 Regulations:

Course Code	Course Name	Regulations
U15CSTE39	Problem Solving	2014 & 2015
U15CSTE40	Analytics using Python	2015
U15CSTE41/ U14CSTE79	AR/VR with Internet of Things	2014 & 2015


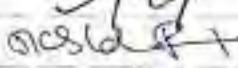
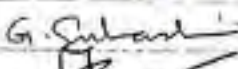

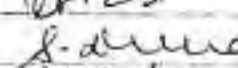
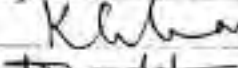

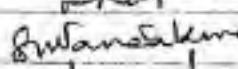
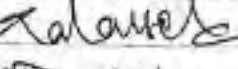
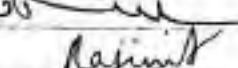
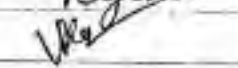



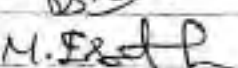
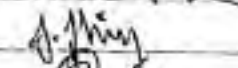



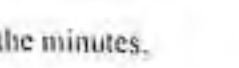

- b. The following table gives the details of new one credit courses added in R14, R15 and R17 Regulations:

Course Code	Course Name	Regulations
U14CSIN11	PHP Scripting with Laravel Framework	2014
U15CSIN07	Interactive Programming with Python	2015
U14RIG001 / U15RIG001 / U17ISP0701	Product Design	2014 , 2015 & 2017
U14RIG002/ U15RIG002	Augmented Reality with IoT	2014 & 2015
U15CSIN08	Computer Vision and Machine Learning	2015
U15CSIN09	Applications using MongoDB	2015
U15CSIN10	Data Analytics using Power BI	2015

- c. Open electives

- i. Web Design and Development was offered as an open elective.

The Chairman thanked all the members for their suggestions and substantial inputs provided in the meeting. She also requested the internal members to take up the changes immediately and submit the final version within a week for forwarding to external members. She also assured that the draft minutes will be sent through email to all external members for their comments/approval. The meeting concluded by 1:00 PM.

S.No	Details of the Expert	Signature
1.	Dr. S. Chitrakala, Anna University Nominee	
2.	Dr. J. Cynthia, Chairman - BoS	
3.	Dr. T. K. S. Lakshmi Priya - External Member	
4.	Dr. G. Subashini-External Member	
5.	Dr. M. Saravanan- Industry Representative	
6.	Mr. P. Gautham- Alumni Representative	
7.	Dr. P. Devaki	
8.	Dr. K. R. Buskaran	
9.	Dr. D. Chandrakala	
10.	Dr. L. Latha	
11.	Dr. G. S. Nanda Kumar	
12.	Ms. R. Kalaiselvi	
13.	Mr. U. Thiruvaazhi	
14.	Ms. S. Rajini	
15.	Ms. V. P. Sumathi	
16.	Ms. M. Suguna	
17.	Dr. J. Vijayaprakash, Deputy CoE	
18.	Dr. E. A. Vimal, Deputy CoE	
19.	Dr. Stephen Raphael, DoA Representative	
20.	Mr. Esakkimuthu - III CSE	
21.	Ms. Shivavarsha M- III CSE	
22.	Ms. Bala Kowsalya- III CSE	


 Dr. J. Cynthia,
 HoD/CSE and Chairman - BoS

Distribution

1. All members - with request to give their comments on the minutes.
2. Convenor

Copy for kind information

1. Chairman - Academic Council and Principal
2. Correspondent
3. Joint Correspondent



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and
Accreditation Council)

IA^{GRADE}++

Civil Engineering



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Civil Engineering

Sl. No.	Date of Board of Studies meeting
1.	24.02.2023
2.	07.01.2023
3.	30.06.2022
4.	11.12.2021
5.	05.06.2021
6.	21.11.2020
7.	05.12.2018
8.	03.12.2018
9	30.11.2018
10	28.03.2018
11	27.03.2018

Programme: M.E. Infrastructure Engineering and Management.

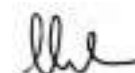
- 1. Welcome note and previous BoS Action Taken Report by the Chairman/BoS.**
- 2. Stakeholders' feedback and suggestions on the new proposed course (M.E. Infrastructure Engineering and Management)**
 - DAB Meeting minutes were deliberated by the respective coordinators.
 - Suggestions are given to add a few technological and engineering courses in the core domain.
 - Plant and Advanced Machinery-related courses may be included as core papers.
 - Multi-disciplinary courses were suggested to be incorporated into the syllabus subject to availability.
 - Industry-related courses were recommended to be integrated.
 - Suggestions were provided to introduce Emerging Technologies to the students.
- 3. Members' inputs towards the upgradation of infrastructure/teaching aids to aid content delivery.**
 - Suggested arranging a few Industrial experts to deliver the course lectures and enlighten students with practical concepts.
- 4. Best Practices followed**
 - Audit course was made mandatory.
 - Practically important concepts were planned to be taught through field visits.

The meeting ended with a formal thank note to BoS Members for their valuable suggestion and inputs.

Minutes recorded by,

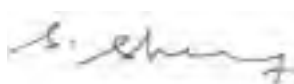
Dr. K. Ramadevi

Mr. A. Aswin Bharath



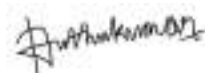
Chairman BoS

HoD/Civil



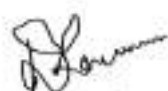
Subject Expert

(Dr. S. Santhakumar)



Expert from Corporate

(Er. Muthukumar
Dorairaj)



Special Invitee

(Dr. D. Ravichandran)



Anna University Nominee

(Dr. R. Sathyanarayan Sridhar)



Department of Civil Engineering

Board of Studies

Minutes of Meeting

Venue: Online (MS Teams)

Time: 10:00 AM

Date: 07.01.2023

Programme: B.E. Civil Engineering/ M.E. Structural Engineering/ M.E. Environmental Engineering/ M.E. Construction Management.

- 1. Welcome note and previous BoS Action Taken Report by the Chairman/BoS.**
- 2. Approval of amendment of Curriculum BE (Civil Engineering) – 1st to 8th Semester Regulation 2018.**
 - Changes in R18 UG curriculum were discussed, U18CET5005 - Concrete Technology course was added as Core paper in Semester V and Engineering clinics V was removed from the R18 updated curriculum
 - R23 curriculum and syllabus was prepared as per the suggestions given in the 24th BoS meeting
- 3. Approval of One credit courses for I yr. UG programmes (based on UN- SDG)**
 - Proposed Semester wise UN – SDG based one credit courses for R23 curriculum were discussed
- 4. Stake holders' feedback and Targets for CO / PO for Academic Year 2022-23**
 - Presentation on PAC and DAB Meeting minutes were deliberated by the respective coordinators.
- 5. Approval of Examiners for QP Setting / Lab Exams for AY 2022-23**
 - Allocation and framing of End semester QP Setters based on their experience from leading institutions were presented by the Chairman/BoS
 - Internal QP Setting by the course handling faculty based on the institutional autonomy was suggested.
- 6. Members Recommendations for Implementing NEP 2020**
 - Instruct Student to completed atleast two online course for Knowledge Upgradation
- 7. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2023 (R2023)**
 - Suggestions given to have programming languages like python to be integrated with design software in steel designing
 - Detailing of steel structure and workshop fabrication drawing may be included in Building plan and Drawing course.
 - Welding types -bolted structures, welded joints detailing may be included in Design and Drawing course
 - Course on Design and Drawing – Design studio- group of people may design building with different parameters or variables and different perspective of same problem.



Department of Civil Engineering

Board of Studies

Minutes of Meeting

- Suggestions were given to include and make familiar to the students about the overseas building practice codes like American standards and Euro standards
- Suggestions were received regarding the purchase of thermal related Equipments like muffle furnace to conduct the thermal studies on concrete, to prepare some carbonaceous materials and advised to take care of the safety measures
- Suggestions were given to include more content under the hazardous industrial waste management topic in the solid and hazardous waste management course
- For PG Environmental Engineering program, list of Proposed Program Electives were approved by the committee members to be added in R23 curriculum.
- Regarding PG Construction Management Program, suggestions were given to include modular construction, digital twins, BIM coordination and current trends

8. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery.

- Suggested to arrange for Visit to constructed structures steel plant – industrial plants and general civil construction works.
- Approved for purchase of large dimension muffle furnace to carryout experiments on temperate effects in concrete and suggested to include an exercise in relevant course for M.E. Structural Engineering students. Recommended to explore the precautions and safety measures in using such furnace.

9. Best Practices followed in (External) Member's Institutions

- Vaastu science can be offered as 1 credit course

10. Course Assessment

- The Question Paper pattern can be modified for Design course and estimation like that 5x 20 marks Question.

The meeting ended with formal thank note for BoS Members for their valuable suggestion and inputs.

Minutes recorded by,
Dr. J. Premalatha
Dr. B. Nithyalakshmi
Mr. Satheesh Kumar KRP
Mr. P. A. Prabakaran

Chairman BoS
HoD/Civil

Subject Expert
(Dr. Kumar Neeraj Jha)

SUBJECT EXPERT
(Dr. S. Shanthakumar)

Expert from Corporate
(Er. Muthukumar Dorairaj)

Special Invitee
(Dr. D.Ravichandran)

Anna University Nominee
(Dr. R. Sathyanarayan Sridhar)

Venue: Online (MS Teams)

Time: 10:00 AM

Date: 30.06.2022

Programme: B.E. Civil Engineering/ M.E. Structural Engineering/ M.E. Environmental Engineering/ M.E. Construction Management.

- 1. Welcome note and previous BoS Action Taken Report by the Chairman/BoS.**
- 2. Stake holders' feedback and Targets for CO / PO for Academic Year 2022-23**
 - Presentation on PAC and DAB Meeting minutes were deliberated by the respective coordinators.
- 3. Approval of Examiners for QP Setting / Lab Exams for AY 2022-23**
 - Allocation and framing of End semester QP Setters based on their experience from leading institutions were presented by the Chairman/BoS
 - Internal QP Setting by the course handling faculty based on the institutional autonomy was suggested.
- 4. Members Recommendations for Implementing NEP 2020**
 - Instruct Student to completed Atleast two online course for Knowledge Upgradation
- 5. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)**
 - Suggestion given to offer industrial training course at the end of 4th semester
 - Suggested to take students to industrial Visit to cement plant/Harbour visits
 - Net zero and green concept may be offered -to understand sustainability issues to get better understanding on green concept and credit
 - MEP course may be offered to understand civil Engg Services.
 - Detailing of steel structure and fabrication drawing may be included in Building plan and Drawing course.
 - Welding types -bolted structures, welded joints detailing may be included in Design and Drawing course.
 - Have to include Vaastu as Building Physics like sun path as part of chapter during 3rd year.
 - 6th sem Design and Drawing – Design studio- group of people may design building with different parameters or variables and different perspective of same problem.
 - 3D drawing to be included as hands on in building planning and drawing.
 - 4 weeks duration is ideal instead of 2 weeks, for Inplant training course.
- 6. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery.**
 - Suggested to arrange for Visit to constructed structures steel plant – industrial plants and general civil construction works.

7. Best Practices followed in (External) Member's Institutions

- Vaastu science can be offered as 1 credit course

8. Course Assessment

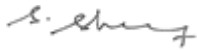
- The Question Paper pattern can be modified for Design course and estimation like that 5x 20 marks Question.

The meeting ended with formal thank note for BoS Members for their valuable suggestion and inputs.

Minutes recorded by,
Dr.J.Premalatha
Dr. A. Geethakarathi
Mr. Satheesh Kumar KRP
Mr. P. A. Prabakaran



Chairman BoS
HoD/Civil



Subject Expert
(Dr. S. Shanthakumar)

MuthuKumarD

MuthuKumarD (Aug 21, 2022 17:15 GMT+5.5)

Expert from Corporate
(Er. Muthukumar Dorairaj)



Special Invitee (CM)
(Er. K. K. Prasanna)



Special Invitee (EE)
(Dr. D.Ravichandran)



Anna University Nominee
(Dr. R. Sathyanarayan Sridhar)

Venue: Online (MS Teams)

Time: 9:30 AM

Date: 11.12.2021

Programme: B.E. Civil Engineering/ M.E. Structural Engineering/ M.E. Environmental Engineering/ M.E. Construction Management.

- 1. Welcome note and previous BoS Action Taken Report by the Chairman/BoS.**
- 2. Stake holders' feedback and Targets for CO / PO for Academic Year 2021-22**
 - Presentation on PAC and DAB Meeting minutes were deliberated by the respective coordinators.
 - Recommended list of new Electives were presented.
 - Implementation of Bridge courses for all PG programmes with for 20 hours each were discussed by the Programme co-ordinators. The bridge courses were suggested to fill the gap between the online and offline mode. Suggestions on core bridge courses were requested from the BoS expert team
- 3. Approval of Examiners for QP Setting / Lab Exams for AY 2021-22**
 - Allocation and framing of End semester QP Setters based on their experience from leading institutions were presented by the Chairman/BoS
 - Internal QP Setting by the course handling faculty based on the institutional autonomy was suggested.
- 4. Members Recommendations for Implementing NEP 2020**
 - The curriculum for the forthcoming regulation was suggested to be framed towards employability, multidisciplinary aspects , emerging areas (Artificial & Virtual Intelligence, 3D Printing, Intelligent transport systems, Lean and supply management and Sustainable Energy management)
 - Head DoA insisted the department to offer and sensitize the students in uptaking minor specialization.
- 5. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)**

The following suggestions were made by the committee members for updating the syllabus:

 - The students to be prepared for entrepreneurship (UG – Basic fundamentals: PG- Course specialization)
 - PEO statements can address the students as graduates.
 - Improve the industrial workshop, guest lectures and training
 - Following bridge course suggested by members:
 - i. Data analytics/IoT
 - ii. Sustainable environment and energy management
 - Deliberation on UG – Civil Engineering Programme
 - The new electives to be included in the existing R-18 curriculum were deliberated by the UG co-ordinator and discussed
 - Traditional architecture
 - Energy management and Environment audit
 - Ground improvement techniques

- Suggestion and changes on the existing courses to be included in the forthcoming regulation
 - i. The course construction technology should include: construction practices, formwork, scaffolding, shoring and other aspects of CT
 - ii. The construction management course in IITs can be bench marked for framing
 - iii. Construction logistics management
 - iv. Steel concrete composite structures to be included in the syllabus content.
- No changes in the existing curriculum structure in the PG programmes. Members were invited for new and modification of courses for revamping the forthcoming regulations.
- Deliberation on PG – Construction Management Programme
Following courses were suggested for inclusion:
 - Construction logistics management
 - Project formulation and appraisal
 - Resource planning & Management
 - Quantitative methods to be included in core courses
- Deliberation on PG – Structural Engineering Programme.
The following points were suggested:
 - Course on 'Structural health monitoring' can include concepts of IoT and some case studies. Possibilities for inclusion of hands-on-study needs to be explored.
 - Courses on 'Structural Dynamics', 'Earthquake Engineering', 'Theory of Plates and Shells' can be offered as core course. Core course and elective courses needs to be reshuffled based on industry needs.
 - Laboratory course on 'Design Studio' may include exercises on soil-structure interaction, assessing capacity of piles, sloshing effect of water. Manual design checks to be included.
 - A course on 'Design of composite elements' can be offered.
 - A course on 'Structural Safety' can be offered as an elective.
- Deliberation on PG – Environmental Engineering Programme. Soil
Members suggested the following topics to be included in the forthcoming syllabus design:
 - EIA methodology for all the project and its sequence
 - Net zero carbon emission to be addresses
 - Alternate energy management
 - Social and circular sustainable environment

6. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery.

- Basics of Plumbing, scaffolding, formwork, carpentry, and basic electrical lab can be introduced.
- Students to be familiarized with Steel Structure construction along with updates on all design codes and industrial visit.
- Students as stakeholders suggested for more industrial driven courses, core placement
- High order thinking skills to be emphasized in the QP setting specifically for PG programmes

7. Best Practices followed in (External) Member's Institutions

- Industry expert lecture as a part of courses in curriculum.
- Organisation of Hackathon and industrial problem solving skill events by Inviting industrial expert as evaluators.
- 10% to 20% weightage of Event evaluation can be credited with the respective course assignment.

8. Course Assessment

- NPTEL Courses offered to the students to be credited with 80% of syllabus mapping.
- MOOC Course are to be offered as open elective courses.

The meeting ended with formal thank note for BoS Members for their valuable suggestion and inputs.

Minutes recorded by,
Dr.J.Premalatha
Dr. A. Geethakarathi
Mr. Satheesh Kumar KRP
Mr. P. A. Prabakaran



Chairman BoS
HoD/Civil


knjha (Dec 27, 2021 09:26 GMT+5.5)

Subject Expert
(Dr. Kumar Neeraj Jha)



Expert from Corporate
(Er. Muthukumar Dorairaj)



Special Invitee (CM)
(Er. K. K. Prasanna)


D RAVICHANDRAN (Dec 27, 2021 09:20 GMT+5.5)

Special Invitee (EE)
(Dr. D.Ravichandran)



Anna University Nominee
(Dr. R. Sathyanarayan Sridhar)












21st BoS MoM














Final Audit Report

2022-01-04

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Venue: Online (MS Teams)

Time: 10:00 AM

Date: 05.06.2021

Programme: B.E. Civil Engineering/ M.E. Structural Engineering/ M.E. Environmental Engineering/ M.E. Construction Management.

- 1. Welcome note and Action Taken Report by the Chairman/BoS.**
- 2. Stake holders' feedback and Targets for CO / PO for Academic Year 2021-22**

Presentation on PAC and DAB Meeting minutes were deliberated by the respective coordinators.

Tentative list of new Electives to be offered in next curriculum was presented.
- 3. Approval of Examiners for QP Setting / Lab Exams for AY 2021-22**
 - Allotting QP Setters based on their experience from leading institutions were presented by the Chairman/BoS
 - Internal QP Setting by the course handling faculty based on the institutional autonomy was suggested.
- 4. Members Recommendations for Implementing NEP 2020**
 - The curriculum for the forthcoming regulation was suggested to be framed towards employability, multidisciplinary aspects , emerging areas (AI& VI, 3D Printing, Lean Design, Sustainability)
 - Department can have minor specialization.
- 5. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)**

The following suggestions were made by the committee members for updating the syllabus:

 - To Conduct Value Added Course with industry experts atleast once in a semester.
 - a) Green Building Concepts (Including International standards)
 - b) Real Estate Practices.
 - c) Sustainable management.
 - d) Lean Construction Design and Practice.
 - e) Tunnel Engineering.
 - f) Supply Chain Management.
 - g) Fabrication Details Drawing.
 - The students to be prepared for entrepreneurship (UG – Basic fundamentals: PG- Course specialization)
 - Suggestion on EdTech eLearning forum on credit basis.
 - PEO statements can address the students as graduates.
- 6. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery.**
 - Basics of Plumbing, scaffolding, formwork, carpentry, and basic electrical lab can be introduced.
 - More number of industrialized webinar/ workshops should be organized for the benefits of internal students.

- All the core courses should be completed by sixth semester (UG)
- Design Build Studio to collaborative a multidisciplinary environment with the following aspects
 - a) Offsite and Onsite Product design.
 - b) Prefabricated Volumetric Building construction.
 - c) BIM 6.0.
 - d) Plug and Play Design.
 - e) Faculty Awareness and student Training.
- Students to be familiarized with Steel Structure construction along with updates on all design codes and industrial visit.
- Focus on Nano technology, plumbing and sanitary division, design of big municipal WTP & STP, Energy and environment, building physics and thermal comfort, LEED Credit system were emphasized.

7. Best Practices followed in (External) Member's Institutions

- Industry expert lecture as a part of courses in curriculum.
- Organisation of Hackathon and industrial problem solving skill events by Inviting industrial expert as evaluators.
- 10% to 20% weightage of Event evaluation can be credited with the respective course assignment.
- Project/Poster Presentation/ Product exhibition as open day initiative by inviting school kids, Parents, Alumni & Industrial Expert to be encourage .

8. Course Assessment

- NPTEL Courses offered to the students to be credited with 80% of syllabus mapping.
- MOOC Course are to be offered as open elective courses.

The meeting ended with formal thank note for BoS Members for their valuable suggestion and inputs.

Minutes recorded by,
 Dr. A. Geethakarathi
 Mr. Satheesh Kumar KRP
 Mr. P. A. Prabakaran


Chairman BoS
 HoD/Civil



Subject Expert
 (Dr. S. Shanthakumar)


 MuthukumarD
MuthukumarD (Jun 21, 2021 17:15 GMT+5.5)

Expert from Corporate
 (Er. Muthukumar Dorairaj)


 Dinesh
Dinesh (Jun 30, 2021 09:16 GMT+5.5)

Alumni
 (Er. Dinesh N)



Special Invitee (Structural Engg.)
 (Er. V. Sriraman)



Special Invitee (Construction Mgmt.)
 (Er. K. K. Prasanna)


 Sathyanarayan Sridhar R (Jun 30, 2021 10:56 GMT+5.5)

Anna University Nominee
 (Dr. R. Sathyanarayan Sridhar)


19th BoS MoM

Final Audit Report


2021-06-30


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MINUTES OF BOARD OF STUDIES MEETING

Venue: Online (MS Teams)

Time: 1:00 PM

Date: 21.11.2020

Programme: B.E. Civil Engineering**1. Welcome note and introduction of members by chairperson****2. Curriculum – balance of courses as per domain, pre-requisites**

- I. 'Professional and Technical Communication' has been removed
- II. For R17 and R18 Professional Elective IV has been introduced with the following courses as options:
 - a. Prestressed Concrete structures
 - b. Pre-Engineered Buildings
 - c. Earthquake Engineering
 - d. Industrial Wastewater Treatment
 - e. Climate change and Sustainable Management
 - f. Waste Management
 - g. Building Information Management
 - h. Mass Transit Management
 - i. Railways Airport Dock and Harbour Engineering
 - j. Maintenance and Rehabilitation of Structures

3. Syllabus – updation and relevance to industrial and career requirements

The following suggestions were made by the committee members for updating the syllabus:

- I. 'U18CEI6201 Design of Masonry and Reinforced Concrete Elements' course can refer to the book on 'Reinforced Concrete Design' by Pillai and Menon
- II. The practical session in the course 'U18CEI6201 Design of Masonry and Reinforced Concrete Elements' can include the following exercises:
 - a. Development of spreadsheet for design of RC Column
 - b. Development of spreadsheet for design of RC Beam
 - c. Development of spreadsheet for design of RC Slab
 - d. Development of spreadsheet for design of RC Footing
 - e. Development of spreadsheet for Reinforcement detailing
- III. The following topics are suggested to be added in the course on 'U17CEE0016 Building Information Management'
 - a. Understanding BIM Process.
 - b. Role of Digital Model in BIM.
 - c. Stages of BIM
 - d. Role of BIM Tools
 - e. CAD vs Digital Model Workflow
- IV. The following topics are suggested to be added in the course on 'U17CEE0018 Railways, Airports, Docks and Harbour Engineering'
 - a. Sequence of activity in Terminal Building Construction.
 - b. Innovations in Airport Design.
 - c. Type of Structures / Material Specifications

- d. General Requirements of Amenities in Terminal Building.
- V. Engineering Clinics can concentrate on the following:
 - a. Yard Preparation
 - b. Formwork Materials
 - c. Plywood & Timber
 - d. Scaffolding
 - e. Plant & Equipment
 - f. Tools & Tackles
 - g. Plumbing, Pipes & Fixtures
 - h. Sanitary & CP Fixtures.
- VI. The following topics are suggested to be added in the course on 'U18CEI6202 Construction Project Management'
 - a. Introduction of Project Management
 - i. Principles of Management
 - ii. Objective of Project Management
 - iii. Objective of Project Management
 - iv. Stages of Project Management
 - b. Scope Management
 - i. Understanding the Project Construction
 - ii. Scope of Work of the Project
 - iii. Various Type of Structures
 - iv. Sequence of Construction – Buildings, Industry & Infra
 - v. Preparation of Project Gist
 - vi. Preparation of Scope of Work Pie Chart
- VII. The following topics are suggested to be added in the course on 'U18CET7001 Estimation, Costing and Valuation'
 - a. Reading of GRC Drawings
 - b. Taking out Quantities
 - c. Preparation of Bar Bending Schedules
 - d. Interpretation of Good for Construction Drawings & Understanding the Engineering inputs
 - e. Unit of Measurement & Conversion Factors & Learning the methods of Measurements as per Codes
 - f. Taking off quantities for all |Works from Drawings
 - g. Preparation of Bar Bending Schedules for Reinforcement Work.
- VIII. The following topics are suggested to be added in the course on 'U18CEE0007 Housing Planning and Management'
 - a. RERA (Real Estate Regulatory Agency) guidelines and recommendations, Bye-Laws.
 - b. Feasibility Study.
 - c. Optimum Floor Space Index.

4. Course Assessment

- I. 'U18CER6705 In-plant Training' must include components for assessment on
 - a. Understanding the Project Construction

- b. Scope of Work
- c. Sequence of Construction

5. Infra requirements, upgradation

- I. ETABS and SAFE are recommended for course on 'U18CEI6201 Design of Masonry and Reinforced Concrete Elements' and for 'U18CET6003 Foundation Engineering'
- II. Basics of Plumbing, scaffolding, formwork, carpentry, and basic electrical lab can be introduced.

6. Student's knowledge and skill development

- I. Students skill has to be developed in the following:
 - a. Labour management
 - b. Field Marking
 - c. Contract Laws
 - d. Reports: Tender Preparation, Quotation
 - e. Taxation: GST, Property Tax, Income Tax, CESS, etc.
 - f. Drafting: Fabrication Drawings

Minutes recorded by,

Mr. P. A. Prabakaran

Programme: M.E. Structural Engineering**1. Curriculum – balance of courses as per domain, pre-requisites**

- I. The laboratory course on 'P18SEP2504 Design Studio' can be offered in 3rd Semester to address most of the design components.
- II. Design of Advanced Concrete Structures offered in second semester can be swapped with Advanced Design of Steel Structures offered in third semester, since the course on Advanced Concrete Technology sounds similar to the course on Design Advanced Concrete Structures.

2. Syllabus – updation and relevance to industrial and career requirements

The following suggestions were made by the committee members for updating the syllabus:

- I. 'P18SEI1203 Advanced Concrete Technology' has been revamped and recommended for amendment in the current R18 syllabus. The revised syllabus is attached.
- II. List of Indian Standards and other international or foreign standards can be included in references.
- III. In the course on 'P18SEI1202 Design of Advanced Concrete Structures' the following suggestion were made:
 - a. A topic on Design of Slender Columns (subjected to combined bending moment and axial forces) can be added
 - b. Design of Corbels can be added in Topic on 'Design of RC Deep Beams'.
 - c. Design of shear walled framed building can be added in topic on 'Design of Special Structures'.
 - d. Book on 'Reinforced Concrete Structures' by Pillai and Menon can be recommended for references.
- IV. Book on 'Finite Element Analysis Theory and Programming' by C. S. Krishnamoorthy can be recommended for references in the course on 'P18SET2001 Finite Element Method'.
- V. The following experiments are recommended for the course on 'P18SEP2504 Design Studio':
 - a. Development of spread sheet for design of retaining wall
 - b. Design of Foundation using a software
 - c. Design of Mat Foundation
 - d. Design of Piles
 - e. Exercises on Fabrication drawings
- VI. The following suggestions are recommended for the course on 'P18SEE0002 Design of Pre-Stressed Concrete Elements':
 - a. Include: Components of Tendons, Deflection and crack width calculation, Types of Failures in Prestressed Concrete Elements.
 - b. Analysis for ultimate strength may be removed since this is covered in basics
 - c. 'Partial prestressing – principles, analysis and design concepts' can be discussed at the start of the topic on 'Special Structures'
 - d. Emphasis can be given on Precast products along with Post-tensioning systems, stresses, and long-term deflection.
- VII. The following suggestions are recommended for the course on 'P18SEE0003 Earthquake Resistant Design of Structures':

- a. Ductility of Moment Resisting Frames and Braced Frames can be included in the topic on 'Ductile and Design Detailing'
 - b. 'Load path, Irregularities, Effects of Plan Configuration, Torsion in Structural Systems, Behaviour of simple buildings during earthquake' can be included in the second unit
- VIII. 'Static and Dynamic responses' can be added in the course on 'P18SEE0008 Design of Structures for Dynamic Loads'
- IX. Instead of using the prefix 'Advanced' for all courses they can be given numbered levels.
- X. Design of Shells and Curved elements can be addressed suitably in each course.

3. Course Delivery – Mode and effectiveness

- I. For the experiments in the course on 'P18SEP2504 Design Studio' ETABS and SAFE are recommended.
- II. For 'P18SEE0002 Design of Pre-Stressed Concrete Elements' course, video materials on prestressing systems must be included.
- III. Course on 'P18SET2001 Finite Element Method' must include some hands-on or exercises with FEM software like ANSYS or SAP or MATLAB.

4. Infra requirements, upgradation

- III. ETABS, SAP and SAFE are recommended for the courses on 'P18SEP2504 Design Studio' and 'P18SET2001 Finite Element Method'.

5. Student's knowledge and skill development

- I. Students must be encouraged to take up more industrial visits.

6. Other Suggestions:

- I. PEO statements can be rephrased with measurable action verbs.

Minutes recorded by,

Satheesh Kumar KRP

Programme: M.E. Environmental Engineering**1. Curriculum – balance of courses as per domain, pre-requisites**

The following modifications were discussed and approved by the board based on the current requirement of programme knowledge and to attain technical skills

- The course **Research Methodology and Statistics (P18INT0001)** from the I semester was modified into **Statistical Methods for Environmental Engineers (P18MAT0001)**, retained in I semester and **Research Methodology (P18EEE0011)** as professional elective course respectively.
- As per the recommendations from the Academic council and to increase the programme electives, One core course **Environmental Impact Assessment (P18EET3001)** and one professional elective course was shifted to third semester.
- The combined one year project into two phases with 15 credits each (total 30 credits) was changed as **Project phase- I during III semester (12 credits)** and **Project phase- II during IV semester (18 credits)** respectively.

2. Syllabus – updation and relevance to industrial and career requirements

- Discussion on syllabus change for **Environmental System Analysis (P18EEE0005)** along with the Course outcomes were updated and the board members approved the necessary changes to be incorporated

3. Course Delivery – Mode and effectiveness

- Suggestion were given to introduce Laboratory component embedded with Remote sensing and GIS for Environment planning & Management (P18EEE010)
- Overall design component of water and wastewater treatment plant were insisted to be included in the Physio-chemical and biological treatment process courses respectively.

4. Course Assessment

- The members discussed on the course assessment adopted by the department and were satisfied

5. Infra requirements, upgradation

- The expert committee was satisfied with the Laboratory set-up established by the department

6. Student's knowledge and skill development

- Encouragement of students towards hands-on and skill development programme, taking up internships and undergoing in-plant training were emphasized.

Minutes recorded by,

Dr.A. Geethakarathi

Programme: M.E. Construction Management**1. Curriculum – balance of courses as per domain, pre-requisites**

- I. 'Resource Planning and Management' can be offered in 1st semester.
- II. 'Construction contracts and legal disputation' can be offered in 2nd semester.
- III. 'Construction Economics and Finance' can be offered in 1st semester.
- IV. 'Risk and Due Diligence' can be offered as an elective course.

2. Syllabus – updation and relevance to industrial and career requirements

- I. Basic introduction, procurement can be discussed in the course on 'Project Management in Construction'.
- II. The following topics can be included in the course on 'Construction Equipment and Methods':
 - a. Productivity analysis
 - b. Delay management.
 - c. Procurement management.
- III. The following topics can be included in the course on 'Project Formulation and Appraisal':
 - a. Preparing reports for industry
 - b. Elaborating types of projects
 - c. Supply Chain
- IV. The course on 'Construction contracts and legal disputation' can include RERA (Real Estate Regulatory Agency) guidelines and recommendations, Bye-Laws.

3. Course Delivery – Mode and effectiveness

- I. 'Construction Equipment and Methods' course can include videos of equipment's and machinery's working and productivity.
- II. 'Project Formulation and Appraisal' course can include a case study activity on active project.
- III. International contracting and tenders can be given as case study in 'Construction Contracts and legal disputation'.

4. Course Assessment

- I. Industry evaluator to be included for project-based assessments.

5. Infra requirements, upgradation

- I. Lab facility with software related to BIM can be established for students training.

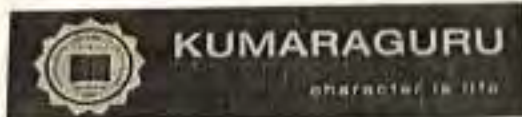
6. Student's knowledge and skill development

- I. Students must be trained in Enterprises Resource Planning (ERP), Detailed Project Report (DPR) and Building Information Modelling (BIM).
- II. Students must be encouraged to take up more industrial visits.

**Chairman BoS****HoD/Civil**

Minutes recorded by,

Mr. P. A. Prabakaran



MINUTES OF BOARD OF STUDIES MEETING

Department: Civil Engineering
Program: M.E. Structural Engineering

Venue: Conference Hall, C-Block

Date: 05.12.2018

Time: 1:00 PM

1. Welcome note and introduction of members by chairperson

2. Curriculum - balance of courses as per domain, pre-requisites

Suggestions by Members:

1. The curriculum and syllabus approved by the board of studies members should not be changed without ratification.
2. Since a semester has been finished, major changes in the R18 should not be amended rather it can be framed as a new regulation.
3. 56 credits are just a guideline specified by AICTE. The credits for Structural Engineering can be increased up to 70 credits.
4. At least 4 elective courses are recommended to be offered for the post graduate students that Research Methodology and Statistics already has been offered as one of the electives.
5. A laboratory course on "Design Studio" can be introduced as a two-credit course that caters the needs of industrial requirements.
6. Two numbers of Non-credit Audit courses are mandatory as per NBA guidelines.
7. Disaster Management can be offered as one of the audit courses.
8. Advanced Design of Foundation course discusses only on Soil Mechanics so it may be offered as an elective.
9. For second semester the following courses are recommended for R18:
 - a. Finite Element Method (3 credits course or 4 Credits Embedded course)
 - b. Structural Dynamics (4 Credits Embedded course)
 - c. Advanced Design of Steel Structures (3 credits course)
 - d. Professional Elective-II (3 credit course)
 - e. Audit Course (0 credit mandatory course)
 - f. Design Studio (2 credit Laboratory course)
10. For the third semester the following courses are recommended:
 - a. Professional Elective III (3 credit course)
 - b. Professional Elective IV (3 credit course)
 - c. Audit Course (0 credit mandatory course)
 - d. In-plant Training (0 credit mandatory course, during the end of second semester)
 - e. Project Work Phase I (12 credit Project Work)

05.12.2018

Satheesh Kumar KRP

Conference Hall, C-Block

3. Syllabus - updation and relevance to industrial, career requirement

Suggestions by Members:

1. Advanced Solid Mechanics course may include the following topics: Bending torsion; Torsion of thin walled beams, warping constants. The topic on plastic deformation can be removed.
2. Experiments on Forced Vibrations may be removed, and 30 hours lab may be reduced to 15 hours lab for the 'Structural Dynamics' course
3. In the course on 'Advanced Steel Design':
 - a. The fourth unit topics must be rearranged
 - b. Design of tower foundation need not be addressed
 - c. The first unit may be replaced with the Composite structures following topics: composite slabs, composite beams, infilled reinforced concrete, uniaxial eccentric composite columns.
4. In the course on 'Design of Prestressed and Precast Elements':
 - a. The topic on 'Single Storied Rigid Frames' can be removed as it cannot be assessed
 - b. First unit can be divided as two units
 - c. The course name can be modified as "Design of Prestressed Concrete Elements"
 - d. Design of prestressed tension members must be included
 - e. Torsion addressed in fifth unit can be changed to fourth unit. Units on circular prestressing and composite construction can be included
 - f. Topic on deflection can be addressed in fourth unit
 - g. Topic on 'comparison of codal provisions' can be removed and given as assignment
 - h. 'Concept of linear transformation' must be addressed before the topic on 'Concordant Profile'
 - i. 'Analysis of Ultimate strength' can be addressed in second unit.

4. Course Delivery - Mode and effectiveness

Suggestions by Members:

1. May include programming concepts using MATLAB (simple numerical problems) in all embedded courses as far as possible.
2. In the references, the BIS standards' revision year must be corrected
3. Co-authors of books must be mentioned in the references
4. As far as possible every unit/topic in syllabus may have equal contact hours and course content.

5. Course Assessment - Mode and effectiveness

Suggestions by Members

1. PG students may be encouraged to take on self study assignments

6. Infra requirement, updation

Suggestions by Members:

1. Equipment requirements for the Structural Dynamics course are approved

7. Student's knowledge and skill development

Suggestions by Members:

1. Industrial Persons may be invited for guest lecture for each course.

8. Faculty and support faculty development / training

Suggestions by Members: Nil

9. Faculty qualification/ specialisation - recommendation

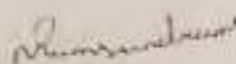
Suggestions by Members: Nil

Minutes recorded by:

Mr. P. Sachin Prabhu

Edited by:

Mr. Satheesh Kumar KRP



Chairman BoS

HoD/Civil



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MINUTES OF BOARD OF STUDIES MEETING

Department: Civil Engineering

Program: B.E

Venue: ECE Conference Hall

Date:03/12/18

Time: 02.00PM to 5.00 PM

1. Welcome note and introduction of members by chairperson

Dr.N.Ramsundram, Chairman / BoS welcomed the Committee members and presented the Vision and Mission, PSOs, PEOs and POs of the department to the Committee members, which was approved by DAB (Department Advisory Board). The Chairman presented the proposed curriculum for regulation 2017 & regulation 2018, syllabus for the 5th to 8th semester of regulation 2017 and syllabus for the 3rd and 4th semester of regulation 2018 before the committee members. The same has been approved by the BoS members.

2. Curriculum - balance of courses as per domain, pre-requisites

As per DAB and BOS Members Suggestion the following course are modified in the R18 Curriculum

Existing Course Code and Name	New Course Code and Name	Previously offered in semester	Proposed Semester to be offered
U18CEI4203/ Soil Mechanics	U18CEI5204/ Soil Mechanics	IV	V
U18CET5004/ Foundation Engineering	U18CET6002/ Foundation Engineering	V	VI
U18CET5005/ Geographic Information Systems and Science	U18CET4003/ Geographic Information Systems and Science	V	IV
U18CET6002/Irrigation and Water Resource Management	U18CET5005/Irrigation and Water Resource Management	VI	V
U18CEI3203/ Building Construction and Planning	U18CEI3203/ Building Planning and Construction	III	III

3. Syllabus - updation and relevance to industrial, career requirement

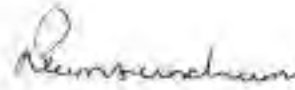
Subject Name	Changes in Course
Partial Difference Equations and Transforms & Numerical methods	The syllabus should be oriented to civil engineering applications
Surveying and Geometrics	First Unit 'Levelling' may be removed and provided as practical experiments. the course title is changed into Advanced Engineering Survey.
Building Construction & Planning	The unit Foundation and Masonry may be removed. The course title changed into 'building materials and construction' the lab component is removed. The Planning may be given as a separate course and Practical also provided as a separate course
applied hydraulic machinery	The Syllabus has to cross verified with UPSC syllabus.
Highway and Traffic Engineering	The following topic may be added Railways- Airports - Docks- Harbours.
Mechanics of materials'	Title change into Strength of Materials. Tutorial hours may be allotted
Geographic Information Systems and Science	lab component may be included, some content in syllabus may be modified. In the syllabus, 60% address only concepts. the members suggested changing into modifying them with application-oriented contents
Total quality management'	The syllabus should be oriented to civil engineering applications
Structural analysis	Course outcomes to be reframed, latest reference books to be added. The list of experiments in the syllabus is modified as a list of assignments
Foundation Engineering	relevant topics on latest trends may be added
Design of masonry and reinforced concrete elements	The lecture hours may be modified with tutorial. 'Design of column by SP-16' is to be generalized as 'Design of Columns', 'Strap footing' should be included as per field

	orientation. In the list of experiments the Stadd.Pro Software name should be removed.
Irrigation and Water Resources Management	The following topics are included in the syllabus: water budget, cost-benefit analysis, design a pipeline distribution and to prepare DPR for the project.
Estimation, Costing and Valuation	The following topics are included: Estimate of simple steel structures- roof structures – principles for specification preparation – report preparation. the course can be modified into 2L + 2T = 3 Credits
Design of steel structures	The following topics are included: Shear connection, Moment connection, Applied steel structures. The topic on Laterally unrestrained and Girder may be provided as a separate unit. In compression members unit the topic 'Angel struts' are modified into the 'baseplate'. The last unit may be removed, first and six unit is clubbed into one unit

3. Course Delivery - Mode and effectiveness

Environmental science and Engineering*	The Course may be handled by civil engineering department faculty.
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Vote of thanks concluded by Dr.G.L.Sathyamoorthi, Professor,


 Dr. N. Ramsundram
 Chairman/Board of studies



FIRST BOARD OF STUDIES MEETING

Department: Civil Engineering

Program: M.E. Environmental Engineering

Venue: C Block – ECE Conference Hall

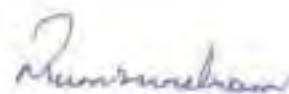
Date: 30.11.2018

Time: 02.00pm – 04.30 pm

MINUTES OF MEETING AND ACTION PLAN TAKEN

S.No.	Suggested Expert member	Comments/Suggestions	Action plan taken
1	Dr. L. S. Jayagopal (Industrial Representative)	<ul style="list-style-type: none"> The soft computing courses were suggested to be included in the open elective courses instead being in the Program cores Big Data technologies and Data visualizations that had been offered in the Professional elective list were advised to be included as common courses in Open electives in requisition with the peer departments 	<ul style="list-style-type: none"> A course was introduced in Computing techniques in Environmental Engineering and the soft computing course was included in the professional elective list As suggested by the committee the 2 courses Big data technologies and Data visualizations was removed from the curriculum
2	Dr. C. Umarani (AU nominee) and Dr. J. Jeyanthi (Subject Expert)	<ul style="list-style-type: none"> To frame the entire curriculum as AICTE model template, thereby the Program Cores offered under embedded category was altered as separate practical/Laboratory courses 	<ul style="list-style-type: none"> The program curriculum and syllabus was framed with more of core courses with professional electives to meet the credit limits of 65, To meet the industrial needs embedded courses are incorporated
3	Dr. Mary Cherian (DoA)	<ul style="list-style-type: none"> All the courses may not be a compulsory embedded courses as per the model KCT curriculum 	<ul style="list-style-type: none"> A few courses were framed as lecture courses and embedded wherever needed.
4	Dr.K.C.Pazhani (Academic council member)	<ul style="list-style-type: none"> To include Environmental Engineering structures as a course in the curriculum 	<ul style="list-style-type: none"> The total program credits was 65 with more specific and relevant courses.

		<p>and could also be included in the M.E. Structural Engineering</p> <ul style="list-style-type: none"> • Wherever necessary, Prerequisite for the enlisted Professional electives were informed to be mentioned 	<ul style="list-style-type: none"> • With the suggestions from the forthcoming BoS expert panel, the suggestion may be incorporated
3	All Committee members	<ul style="list-style-type: none"> • The Committee emphasized a 2 to 3 weeks Internship and Implant training during the II semester summer holidays which could be evaluated in the III semester • The BoS committee recommended updating some of the editions in the references given in the syllabus. Rather providing the modelling courses in the Professional Electives, it was suggested to be included in the Program core syllabus as a separate unit 	<ul style="list-style-type: none"> • Undergoing Implant training was recommended for the students and the assessment could be done during the III semester • The latest editions and books were verified and included in the references for each course



HoD- BoS/Chairman



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Monday, 02nd April, 2018

The Board of Studies meeting (Structural Engineering) was held on Wednesday, March 28, 2018 at 02.00 pm in Civil Engineering Department Conference Hall, 'C' Block, Kumaraguru College of Technology, Coimbatore. The following members were present.

Name of the University Nominee

Dr. C. UmaRani,
Professor,
Department of Civil Engineering,
Anna University,
Chennai – 600 025.
Email: umarani@annauniv.edu
Mobile: +914422357409

Head of the Department (Chairman-BOS)

Dr. N.Ramsundram,
Associate Professor & Head, KCT.

Name of the teaching faculty from specialization

1. **Dr. J. Premalatha**
Professor, KCT.
2. **Dr. P. Eswaramoorthi,**
Professor, KCT.
3. **Dr. K. Ramadevi**
Associate Professor, KCT.
4. **Mrs. R. Manju,**
Convener,
Assistant Professor (SRG), KCT.
5. **Mr. V. Senthil Kumar**
Assistant Professor (SRG), KCT.
6. **Mr. Satheesh Kumar KRP**
Assistant Professor-II, KCT.

Name of the expert nominated by Academic Council

Dr P.Jayabalan

Professor,

Department of Civil Engineering,

National Institute of Technology,

Trichy,

Email: pjeya@nitt.edu

Mobile: 9443173517.

Dr. K. C. Pazhani

Associate Professor,

Structural Engineering Division,

Anna University,

Chennai-600025

Email: kcpazhani@annauniv.edu

Mobile: 9444230606

Name of the representative from Industry/corporate sector/allied area relating to placement

Dr. L. S. Jayagopal,

MD, Mithran Structures,

No 1 Jawahar Nagar,

SAHS Post,

Coimbatore – 641043.

Email: profsls@gmail.com

Mobile: 9842221337

Meritorious alumni nominated by Principal

Mr.M.Kishore Kumar

Assistant Manager (Civil&Structural)

Process Engineering Division,

L&T Technology Services,

Chennai.

Email: creative.kishore@gmail.com

Mobile: 9789955239

Dr.J.Karthikeyan

Associate Professor

C-10, Department of Civil Engineering

National Institute of Technology

Tiruchirappalli - 620 015.

Email: jk@nitt.edu

Mobile: 0431-2503195

Special Invitee

1. **Dr. V. G. Srisanthi**
Professor
Department of Civil Engineering
Coimbatore Institute of Technology
Coimbatore
Email: srisanthi@cit.edu.in
Mobile: +91-9843768080

Other members of staff of the same department

1. **Mr. S. Karthikeyan**
Associate Professor, KCT.
2. **Mr. A. Vishnu**
Assistant Professor, KCT.
3. **Mr. G. Karthikeyan**
Assistant Professor, KCT.
4. **Mr. Nandhakumar P**
Assistant Professor, KCT.
5. **Mr. Sachin Prabhu**
Assistant Professor, KCT.

COE/Coordinator Autonomous

Dr.J.Vijay Prakash,
Coordinator Autonomous, KCT.

Dr. I. Vinohar Stephenrapheal
DOA, KCT.

The following member did not attended the meeting,

1. **Dr. K. C. Pazhani**
Associate Professor,
Structural Engineering Division,
Anna University,
Chennai-600025
Email: kcpazhani@annauniv.edu
Mobile: 9444230606

2. Mr. M. Kishore Kumar,
Assistant Manager (Civil & Structural)
Process Engineering Division,
L&T Technology Services,
Chennai.
Email: creative.kishore@gmail.com
Mobile: 9789955239

Agenda:

Approval of Curriculum and syllabus – M.E. (Structural Engineering) – 1st to 4th Semester
for Regulation 2018

The curriculum and the syllabus for the M.E. Structural Engineering programme was presented to and approved by the BoS members. The following suggestions arised during the discussion:

1. Experimental Methods and Model Analysis course may be offered as an elective course with suitable modifications, the course on Design of Foundations may be offered as a Professional Core course.
2. The course on Theory of Elasticity and Plasticity may be renamed as Advanced Structural Analysis with syllabus including the topics covered in Theory of Elasticity.
3. Topic on linear elements may be removed from the Advanced Structural Analysis course, the same content is dealt in the course on Finite Element Analysis.
4. The topic on Boundary Value Problems may be removed from Advanced Structural Analysis course.
5. The syllabus content of Advanced Solid Mechanics may be refined beyond the AICTE Model curriculum.
6. The last topic (Design loads other than earthquake load) in Advanced Reinforced Concrete Design course may be removed as it is already addressed in revised UG courses in B.E. Civil Engineering.
7. Either the course on Stability of Structures or Dynamics of Structures may be offered as a Professional Core course.
8. Design of Pre-Stressed and Precast concrete Structures may be offered as a course in Professional Core.
9. The course nomenclature followed by the AICTE Model curriculum may be retained.
10. Post buckling behavior of plates may be addressed in the respective course.

11. In addition to the suggestions on the syllabus content, the following books were recommended by the BoS committee members:

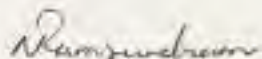
- a. 'Finite Element Method' by Daryl L. Logan
- b. 'Wind and Earthquake Resistant Buildings: Structural Analysis and Design' by Bungale S. Taranath.
- c. 'Reinforced Concrete Structures' by Robert Park and Thomas Paulay
- d. 'Essentials of Bridge Engineering' by D. Johnson Victor

12. With respect to the laboratory courses the following suggestion were given:

- a. Forced vibration tests may be removed from the lab course
- b. The experiments listed in syllabus may be domain specific than experiment specific titles.

The Committee members also suggested the following changes in the syllabus:

1. Theory of Plasticity may be offered as an elective course
2. Analysis and Design courses may be combined and offered as an individual course.
3. Audit courses (Yoga, Professional Ethics, etc.) may be offered as suggested by the AICTE Model Curriculum
4. A topic on Computational Dynamics may be introduced in Advanced Structural Analysis course



Dr. N. Ramsundram,
Chairman – Board of Studies of Civil Engineering

Place: Coimbatore
Date: 02.04.2018



Wednesday, 04th April 2018

The 15th Board of Studies meeting (Civil Engineering) was held on Tuesday, March 27, 2018, at 02.00 pm in Civil Engineering Department Conference Hall, 'C' Block, Kumaraguru College of Technology, Coimbatore. The following members were present,

Name of the University Nominee

Dr.G.Vimala Rosaline,
Principal
Government College of Engineering,
Salem – 636011.
Email: vimala66866@gmail.com
Mobile: 9443344716

Head of the Dept (Chairman-BOS)

Dr. N.Ramsundram,
Associate Professor & Head,

Name of the teaching faculty from each specialization

1. **Dr.J.Premalatha**
Professor, KCT.
2. **Dr.P.Eswaramoorthi,**
Professor, KCT.
3. **Dr.G.L. Sathyamoorthy,**
Professor, KCT.
4. **Dr.V.Gayathri,**
Associate Professor, KCT.
5. **Dr.A.GeethaKarthi,**
Associate Professor, KCT.
6. **Dr.K.Ramadevi,**
Associate Professor, KCT.
7. **Dr.R.Manju,**
Assistant Professor (SRG), KCT.
8. **Mrs.S.Anitha,**
Assistant Professor, KCT
9. **Mr.P.A.Prabakaran,**
Convener-BoS,
Assistant Professor, KCT

Name of the expert nominated by Academic Council

Dr. M Ibrahim Bathusha
Associate Professor,
Department of Civil Engineering,
PSG College of Technology,
Coimbatore – 641013.
Email: mib@civ.psgtech.ac.in.
Mobile: 9842047791

Name of the representative from Industry/corporate sector/allied area relating to placement

Dr.L.S.Jayagopal,
MD, Mithran Structures,
No 1 Jawahar Nagar,
SAHS Post,
Coimbatore – 641043.
Email:proflsj@gmail.com
Mobile:9842221337

Post Graduate meritorious alumni nominated by Principal

Er.R.Azhagesan
Director (Monitoring)
Ministry of Water Resources
Central Water Commission
CWC office Complex
Peelamedu
Coimbatore – 61004
Email:razhagesan.cwc@nic.in
Mobile: 9489727371

Other members of staff of the same department

1. **Dr.A.Gandhimathi,**
Associate Professor, KCT.
2. **Mr.V.Senthilkumar**
Assistant Professor (SRG), KCT.
3. **Mr.KRP.Satheeshkumar**
Assistant Professor, KCT

COE/Coordinator Autonomous

1. **Dr.J.Vijay Prakash,**
Coordinator Autonomous, KCT.
2. **Dr.I.Vinohar.Stephen Raphael**
DOA, KCT.

The following member has not attended the meeting.

1.Dr. P.Jayabalan

Professor,
Department of Civil Engineering,
National Institute of Technology,
Trichy.
Email:pjeva@nitt.edu
Mobile: 9443173517.

2.Mr.M.Kishore Kumar,

Assistant Manager (Civil&Structural)
Process Engineering Division,
L&T Technology Services,
Chennai.
Email: creative.kishore@gmail.com
Mobile:9789955239

3.Mr.V.Sathya Kumar,

M.Tech+PhD, Dual degree candidate,
Remote Sensing Division,
Department of Civil Engineering
IIT Bombay
Mumbai-400076.
Email:techievsk@gmail.com
Mobile: 07506112412

4.Dr.G.S.Dwarakish

Professor and Head,
Department of Applied Mechanics and Hydraulics,
National Institute of Technology Karnataka,
Surathkal, Srinivasnagar – 575025.
Email:dwaraki@nitk.ac.in
Mobile: 9483647308.

Agenda:

Approval for the proposed Curriculum B.E (Civil Engineering) – 3rd to 8th Semester for
Regulation 2017

Approval of Syllabus – B.E (Civil Engineering) – 3rd&4th Semester for Regulation 2017.

Approval for the proposed Curriculum B.E (Civil Engineering) – 1st to 8th Semester for
Regulation 2018.

Approval of Syllabus – B.E (Civil Engineering) – 2nd Semester Professional core for
Regulation 2018.

Approval of Amendments passed in the curriculum for Regulation 2014 and 2015

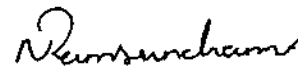
The following points were discussed:

1. Dr. N.Ramsundram, Chairman / BoS welcomed the Committee members and presented the Vision and Mission, PEOs and POs of the department to the Committee members, which was approved by DAB (Department Advisory Board). The Chairman presented the proposed curriculum for regulation 2017 & regulation 2018, syllabus for the 3rd and 4th semester of regulation 2017, and syllabus for the 1st and 2nd semester of regulation 2018 before the committee members. The same has been approved by the BoS members.
2. The suggestions/ recommendations that are arisen during the discussion are;
 - a. During the first year of U.G. Programme, the students may be exposed to Engineering Geology and Construction materials instead of dealing only with construction materials
 - b. The students have to undergo three internships during their four-year degree program
 - c. In the embedded courses, the lab component should be conducted parallel in concordance with the theory dealt in the lecture hour
 - d. Additional hours may be allowed along with the proposed 2 hours of lab session to ensure the completion of the proposed experiment
 - e. The course addressing building bylaws, labour laws, and other safety concerned to civil engineering may be included as one of the elective courses
 - f. The syllabus pertaining to Concrete and Highway Lab is more appropriate with the title 'Building Material Quality lab'. Considering the AICTE terminology, it may be retained as 'Concrete and Highway Lab' with the inclusion of Quality.
 - g. The syllabus for Surveying & Geomatics may be revised with reference to the field of application, and due considerations may be given to lab experiments.
 - h. The syllabus pertaining to Transportation engineering course may be reduced considering the lecture hours allotted and the field requirement.
3. Open elective courses offered in Regulation 2015 was presented, and the amendment has been approved for the inclusion of the same in the regulation 2015.
4. Professional electives (traditional architecture, glass façade engineering), and employment enhancement course details are presented before the members, and the amendment for the inclusion of the same in regulation 2014, and 2015 has been approved.

5. Apart from curriculum and syllabus content, the general observations/suggestions highlighted by the members are;

- a. The theory course must have three hours per week
- b. In case, if the one-credit course is offered as a theory component, then minimum instruction time period should be 15 hours. If the course has both theory and lab components, the instruction time period should be 15 hours (theory) + 15 hours (practical)
- c. The proposed curriculum has a terminology stating embedded course, it has to be clearly indicated as 'number of theory' and 'practical hours' in the semester mark sheet.
- d. Interdisciplinary team project up to a 3rd semester of the engineering clinic is acceptable, but the consideration might be given towards reducing the credits awarded.

Place: Coimbatore
Date: 04.04.2018



Dr. N. Ramsundram,
Chairman – Board of Studies of Civil Engineering



Electronics and Communication Engineering




KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and Accreditation Council)

IA^{GRADE}++

Electronics and Communication Engineering

Sl. No.	Date of Board of Studies meeting
1.	06.05.2023
2.	30.01.2023
3.	28.06.2022
4.	13.12.2021
5.	05.06.2021
6.	20.11.2020
7.	24.11.2018
8.	24.03.2018

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING 22nd of Studies Meeting	Ref No. KCT/ECE/BOS22/2022-23/02 Prepared by: Ms. A. Kalaiselvi, AP II Issued by: Dr. M. Bharathi, HOD Issue Date: 06 MAY 2023
		MINUTES OF MEETING Page Number: 1 of 5

Date:	06 MAY 2023	Time:	2.30 PM to 3.30 PM	Venue	Online via MS Teams
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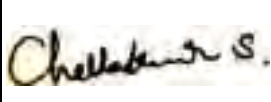

Participants of the meeting


External Panel Members

1. Dr.C.Vasanthanayaki (Anna University Nominee)–Principal, Government College of Engineering, Bodinayakanur
2. Dr. M. S. Sudhakar (Subject Expert) – Associate Professor, School of Electronics Engineering (SENSE), VIT Vellore.
3. Mr. S. Chella Kumar (Industry Expert) – CAD Principal Engineer, Enphase Solar Energy Pvt. Ltd., Bengaluru.
4. Mr. A. Chandramouli (Alumni Member) – Research Scientist, SAMEER, Chennai. Project Scientist I, OON division, ODICT Group, Indian National Centre for Ocean Information Services (INCOIS), Ministry of Earth Sciences, Ocean Valley, Hyderabad.

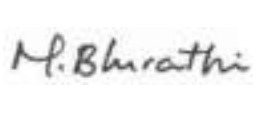
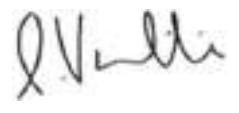

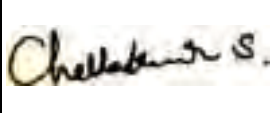

Internal Panel Members


1. Dr.M.Bharathi (BoS Chairperson)- Professor and Head, ECE, KCT
2. Dr.K.Kavitha (UG Programme Coordinator)-Professor, ECE, KCT
3. Dr.B.Gopinath (BoS Coordinator)-Associate Professor, ECE, KCT
4. Dr.V.Vanitha (Member from allied department)-Professor, IT, KCT
5. Dr.A.Amsaveni-Professor, ECE, KCT
6. Dr.S.Umamaheswari-Associate Professor, ECE, KCT
7. Dr.S.Sasikala-Associate Professor, ECE, KCT
8. Dr.M.Alagumeenaakshi-Associate Professor, ECE, KCT
9. Dr.S.N.Shivappriya-Associate Professor, ECE, KCT
10. Dr. J. Mohankumar - Associate Professor, ECE, KCT

				
Dr.M.Bharathi (BoS Chair person)	Dr.C.Vasanthanayaki Anna University Nominee)	Dr.M.S.Sudhakar (Subject Expert)	Mr.S.Chella Kumar (Industry Expert)	Mr.A.Chandramouli (Alumni Member)

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING 22nd of Studies Meeting	Ref No. KCT/ECE/BOS22/2022- 23/02
		Prepared by: Ms. A. Kalaiselvi, AP II Issued by: Dr. M. Bharathi, HOD Issue Date: 06 MAY 2023
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11. Dr.K.Thilagavathi-Assistant Professor, ECE, KCT
12. Ms. S. Nagarathinam- Assistant Professor, ECE, KCT
13. Mr. R. Darwin- Assistant Professor, ECE, KCT
14. Mr.R.Karthikeyan-Assistant Professor, ECE, KCT
15. Ms.R.DhivyaPraba-Assistant Professor, ECE, KCT
16. Ms.A.Kalaiselvi-Assistant Professor, ECE, KCT
17. Ms.K.Jasmine-AssistantProfessor, ECE,KCT
18. Ms.V.UmaMaheswari-Assistant Professor, ECE, KCT
19. Ms.K.Anusha-Assistant Professor, ECE, KCT
20. Mr.R.KarthiKumar-Assistant Professor, ECE, KCT
21. Mr.D.AllinJoe-Assistant Professor, ECE, KCT
22. Ms.K.Karthika-Assistant Professor, ECE, KCT
23. Dr.S.David-Assistant Professor, ECE,KCT
24. Ms.T.Jaspar Vinitha Sundari-Assistant Professor, ECE, KCT
25. Mr.S.Arun Kumar-Assistant Professor, ECE, KCT
26. Mr.Timothy Dhayakar Paul-Assistant Professor, ECE, KCT
27. Mr.V.P.Ajay-Assistant Professor, ECE, KCT
28. Mr.S.Boopathy-Assistant Professor, ECE, KCT
29. Ms.S.S. Aishwarya Lakshmi - Student Representative, ECE, KCT
30. Ms. L.Monisha –Student Representative, ECE, KCT

				
Dr.M.Bharathi (BoS Chair person)	Dr.C.Vasanthanayaki Anna University Nominee)	Dr.M.S.Sudhakar (Subject Expert)	Mr.S.Chella Kumar (Industry Expert)	Mr.A.Chandramouli (Alumni Member)

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING 22nd of Studies Meeting	Ref No. KCT/ECE/BOS22/2022-23/02 Prepared by: Ms. A. Kalaiselvi, AP II Issued by: Dr. M. Bharathi, HOD Issue Date: 06 MAY 2023
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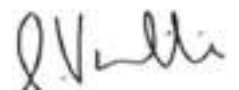

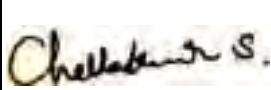

Agenda:


1. Action Taken Report on Previous BoS Meeting
2. Changes in Embedded Systems Module Courses
3. Addition of New Tamil courses in R18 Curriculum and Syllabus
4. Introduction of New PG Programme in VLSI Design
5. Any other matters (with the permission of Chairperson, BoS)

MINUTES OF MEETING & ACTION POINTS

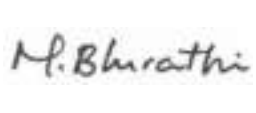
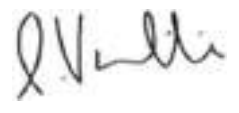

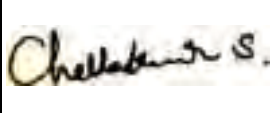

Codes: A: Action C: Comment D: Decision R: Recommendation


S.No	CODE	DESCRIPTION & DISCUSSION POINTS
1.	A	<ul style="list-style-type: none"> Dr. M. Bharathi, HoD-ECE, delivered the welcome address. Vision, mission, PO, PEO and PSO of the UG/PG Programmes were shared with the panel members. Action Taken Report on Previous BoS Meeting <ul style="list-style-type: none"> The Action Taken Report of the previous 21st BoS meeting was presented, and all the suggestions given by the BoS members were incorporated in the undergraduate R18 Syllabus. It was also promised that major changes would be incorporated in the next revision of the curriculum and syllabus.
2.	C, R	Curriculum Changes in Embedded Systems Module Courses <ul style="list-style-type: none"> The content of U18ECI5202-Computer Architecture and Microprocessors course and U18ECI6202 - Microcontroller were revised and renamed as U18ECI5206 - Embedded Processor Architecture and U18ECI6204 – Microcontroller and its Applications respectively. The content of course and revision in the course code and name were approved by the BoS members with minor corrections.

				
Dr.M.Bharathi (BoS Chair person)	Dr.C.Vasanthanayagi Anna University Nominee)	Dr.M.S.Sudhakar (Subject Expert)	Mr.S.Chella Kumar (Industry Expert)	Mr.A.Chandramouli (Alumni Member)




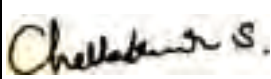

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING 22nd of Studies Meeting	Ref No. KCT/ECE/BOS22/2022-23/02 Prepared by: Ms. A. Kalaiselvi, AP II Issued by: Dr. M. Bharathi, HOD Issue Date: 06 MAY 2023
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		<ul style="list-style-type: none"> Dr. C. Vasanthanayaki, suggested to add a few case studies related to microcontroller applications. Dr. M. Sudhakar suggested to include the content related to architectures of general purpose and advanced processors. As requested by Mr. S. Chellakumar, the VLSI course syllabus was presented to the panel for review. He suggested to include the contents related to FINFET technology. The chairman accepted his point and told that the content will be given as a value-added course. The expert members insisted to update the contents to meet the current industrial trends with amendments to the current regulation.
3.	R	Addition of New Tamil courses in R18 Curriculum and Syllabus <ul style="list-style-type: none"> Anna University advised to introduce the following one credit courses in Tamil for UG students at autonomous engineering colleges. <ol style="list-style-type: none"> Heritage of Tamils Tamils and Technology The course content was displayed and approved by the BoS panel members.
4.	D	Introduction of New PG Programme in VLSI Design <ul style="list-style-type: none"> Introduction of new PG Programme in VLSI Design was proposed. The curriculum and syllabus were presented. The BoS members suggested few corrections in the syllabus. Mr. S. Chellakumar suggested adding python in scripting Languages course. The panel members advised to frame the course outcomes and programme outcomes in accordance with blooms taxonomy. They also suggested to include the latest edition reference books.

				
Dr.M.Bharathi (BoS Chair person)	Dr.C.Vasanthanayaki Anna University Nominee)	Dr.M.S.Sudhakar (Subject Expert)	Mr.S.Chella Kumar (Industry Expert)	Mr.A.Chandramouli (Alumni Member)

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING 22nd of Studies Meeting	Ref No. KCT/ECE/BOS22/2022-23/02
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	<ul style="list-style-type: none"> • Dr. C. Vasanthanayaki suggested to include Mini Project by reducing the lab components. The expert members recommended to include a few industry based elective courses. • Mr. A. Chandramouli recommended to take all courses in orientation with latest industrial tools to make the students industry ready. • The corrected version of the curriculum and syllabus were approved by the BoS panel members for further actions. • Dr.M. Bharathi, BoS-Chairperson, delivered the vote of thanks.
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Dr.M.Bharathi (BoS Chair person)	Dr.C.Vasanthanayaki Anna University Nominee)	Dr.M.S.Sudhakar (Subject Expert)	Mr.S.Chella Kumar (Industry Expert)	Mr.A.Chandramouli (Alumni Member)

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING 21st Board of Studies Meeting	Ref No. KCT/ECE/BOS21/2022-23/01
		Prepared by: A. Kalaiselvi, AP II Issued by: Dr. M. Bharathi, HOD Issue Date: 31 JANUARY 2023
	MINUTES OF MEETING	Page Number: 1 of 6

Date:	30 JANUARY 2023	Time:	10.00 AM to 11.00 AM	Venue	Online via MS Teams
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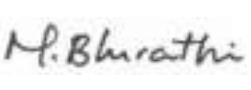


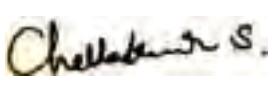

Participants of the meeting


External Panel Members

1. Dr. C. Vasanthanayaki (Anna University Nominee) – Professor & Head (PG), Department of Electronics and Communication Engineering, Government College of Technology, Coimbatore.
2. Dr. M. S. Sudhakar (Subject Expert) – Associate Professor, School of Electronics Engineering (SENSE), VIT Vellore.
3. Mr. S. Chella Kumar (Industry Expert) – CAD Principal Engineer, Enphase Solar Energy Pvt. Ltd., Bengaluru.
4. Mr. A. Chandramouli (Alumni Member) – Research Scientist, SAMEER, Chennai. Project Scientist I, OON division, ODICT Group, Indian National Centre for Ocean Information Services (INCOIS), Ministry of Earth Sciences, Ocean Valley, Hyderabad.


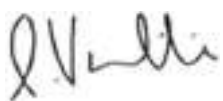

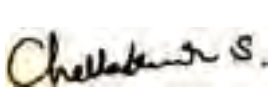

Internal Panel Members


1. Dr. M. Bharathi (BoS Chairperson) - Professor and Head, ECE, KCT
2. Dr. K. Kavitha (UG Programme Coordinator) - Professor, ECE, KCT
3. Dr. B. Gopinath (BoS Coordinator) - Associate Professor, ECE, KCT
4. Dr. V. Vanitha (Member from allied department) - Professor, IT, KCT
5. Dr. A. Amsaveni - Professor, ECE, KCT
6. Dr. S. Umamaheswari- Associate Professor, ECE, KCT
7. Dr. S. Sasikala- Associate Professor, ECE, KCT
8. Dr. M. Alagumeenaakshi- Associate Professor, ECE, KCT
9. Dr. S.N. Shivappriya- Associate Professor, ECE, KCT
10. Dr. J. Mohankumar - Associate Professor, ECE, KCT

				
Dr.M.Bharathi (BoS Chairperson)	Dr.C.Vasanthanayaki (Anna University Nominee)	Dr.M.S.Sudhakar (Subject Expert)	Mr.S.Chella Kumar (Industry Expert)	Mr.A.Chandramouli (Alumni Member)

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING 21st Board of Studies Meeting	Ref No. KCT/ECE/BOS21/2022-23/01
		Prepared by: A. Kalaiselvi, AP II Issued by: Dr. M. Bharathi, HOD Issue Date: 31 JANUARY 2023
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15. Ms. R. Dhivya Praba- Assistant Professor, ECE, KCT
16. Ms. A. Kalaiselvi- Assistant Professor, ECE, KCT
17. Ms. K. Jasmine- Assistant Professor, ECE, KCT
18. Ms. V. Uma Maheswari- Assistant Professor, ECE, KCT
19. Ms. K. Anusha- Assistant Professor, ECE, KCT
20. Mr. R. Karthi Kumar- Assistant Professor, ECE, KCT
21. Mr. D. Allin Joe- Assistant Professor, ECE, KCT
22. Ms. K. Karthika- Assistant Professor, ECE, KCT
23. Mr. S. David- Assistant Professor, ECE, KCT
24. Ms. T. Jaspar Vinitha Sundari- Assistant Professor, ECE, KCT
25. Mr. S. Arun Kumar- Assistant Professor, ECE, KCT
26. Mr. Timothy Dhayakar Paul- Assistant Professor, ECE, KCT
27. Mr. V.P. Ajay- Assistant Professor, ECE, KCT
28. Mr. S. Boopathy- Assistant Professor, ECE, KCT
29. Ms. S. Rashmi - Student member from DA, ECE, KCT
30. Ms. V. Shyamala Devi – Student member from LC, ECE, KCT

				
Dr.M.Bharathi (BoS Chairperson)	Dr.C.Vasanthanayagi (Anna University Nominee)	Dr.M.S.Sudhakar (Subject Expert)	Mr.S.Chella Kumar (Industry Expert)	Mr.A.Chandramouli (Alumni Member)

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING 21st Board of Studies Meeting	Ref No. KCT/ECE/BOS21/2022-23/01 Prepared by: Ms. A. Kalaiselvi, AP II Issued by: Dr. M. Bharathi, HOD Issue Date: 31 JANUARY 2023
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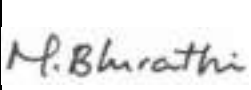
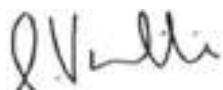

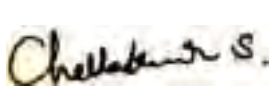

Agenda:


1. Action Taken Report on Previous BoS Meeting
2. Introduction of New Open Elective Course under R2018 Curriculum
3. Stakeholder's feedback and the changes recommended.
4. Targets for CO / PO for Academic Year 2022-23
5. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2022-23.
6. Suggestions for new curriculum for Regulations 2023 (R2023)
7. Members inputs towards upgradation of infrastructure / teaching aids to aid content delivery.
8. Any other matters

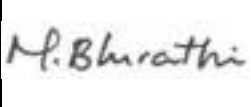


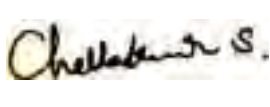

MINUTES OF MEETING & ACTION POINTS


Codes: A: Action C: Comment D: Decision R: Recommendation

S.No	CODE	DESCRIPTION & DISCUSSION POINTS
1.	A	<ul style="list-style-type: none"> • Dr.M. Bharathi, HoD-ECE, delivered the welcome address. • Vision, mission, PO, PEO and PSO of the UG/PG Programmes were shared with the panel members. Action Taken Report on Previous BoS Meeting <ul style="list-style-type: none"> • The Action Taken Report of the previous 20th BoS meeting was presented, and all the suggestions given by the BoS members were incorporated in the undergraduate R18 Syllabus. It was also promised that major changes would be incorporated in the next revision of the curriculum and syllabus. • Not attained PO for the 2017-2021 passed out batch was analysed, <ul style="list-style-type: none"> • PO 12 – Lifelong learning • To bridge the above gap, the following measures were taken. • An Open Elective course on “U18ECO0006 – Cyber Security” was introduced in R18 Curriculum during 2022-23 (EVEN) to make students as lifelong learners.


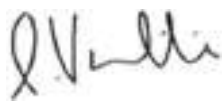

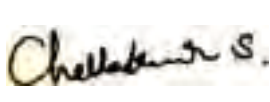

				
Dr.M.Bharathi (BoS Chairperson)	Dr.C.Vasanthanayaki (Anna University Nominee)	Dr.M.S.Sudhakar (Subject Expert)	Mr.S.Chella Kumar (Industry Expert)	Mr.A.Chandramouli (Alumni Member)


	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING 21st Board of Studies Meeting		Ref No. KCT/ECE/BOS21/2022-23/01 Prepared by: Ms. A. Kalaiselvi, AP II Issued by: Dr. M. Bharathi, HOD Issue Date: 31 JANUARY 2023
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	<ul style="list-style-type: none"> Naalaya Thiran – a project-based learning course was conducted during odd semester of 2022-23 academic year to make students as lifelong learners. The NPTEL course on Project Management for Project Phase II students was suggested by the BoS member in the 20th BoS meeting and it would be considered for the next batch project students. 		
2.	R	Introduction of New Open Elective Course under R2018 Curriculum <ul style="list-style-type: none"> An Open Elective course on “U18ECO0006 – Cyber Security” was proposed in R18 Curriculum during 2022-23 (EVEN Semester) and approved by BoS members. 	
3.	C, R	Stakeholder’s feedback and the changes recommended <ul style="list-style-type: none"> The following feedback points on the existing curriculum and syllabus were received from stakeholders and discussed in the BoS meeting. The suitable actions will be taken, and possible changes will be done in the next revision of curriculum and syllabus under regulations R2023. Theory and Lab can be separate components in U18ECI7203-Optical Communication course as evaluation is independent of each other. Hands-on session can be increased and provided with Tutorial for the course U18ECE0061-Product Design and Development. Few advanced topics can be included, and overall contents can be modified in U18ECE002-Satellite Communication. Basic concepts along with real time applications can be incorporated in all modules of the syllabus in U18ECI6203/ VLSI & HDL Programming. More advanced topics to be included and few lab experiments can be experimented with open-source tools. Industry relevant content may be included in U18ECI5201-Communication Engineering I. 	

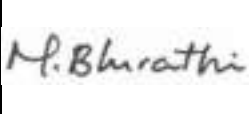
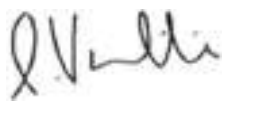

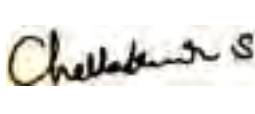

				
Dr.M.Bharathi (BoS Chairperson)	Dr.C.Vasanthanayaki (Anna University Nominee)	Dr.M.S.Sudhakar (Subject Expert)	Mr.S.Chella Kumar (Industry Expert)	Mr.A.Chandramouli (Alumni Member)


	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING 21st Board of Studies Meeting	Ref No. KCT/ECE/BOS21/2022-23/01
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		<ul style="list-style-type: none"> In U18ECI5202-Computer Architecture and Microprocessors course, Microprocessor content can start from 8086 and Microcontroller can be combined and updated as a four-credit course. Computer Architecture can be framed as a separate course. In U18ECT5005-Antennas and Wave Propagation course, few advanced topics can be included, and CAD tools can be introduced in the syllabus.
4.	D	Targets for CO / PO for AY 2022-23 <ul style="list-style-type: none"> CO / PO attainments were calculated through direct and indirect methods. The methodology implemented to assess the CO / PO attainments was discussed. Due to the Online/Physical mode evaluation processes, same Targets for CO-PO were maintained for 2018-22 batch. For 2019-23 batch new PO targets will be fixed based on the previous batch attainments.
5.	R	Approval of Panel of Examiners for AY 2022-23 A list of panel of external examiners for the end semester exam question paper setting and project viva-voce for AY 2022-23 was presented and approved by the BoS members.
6.	C, R	Suggestions for new curriculum for Regulations 2023 (R2023) <ul style="list-style-type: none"> A draft version of curriculum was presented under Regulation 2023 (R2023). Dr. M. S. Sudhakar expressed his satisfaction with the new curriculum R2023. He also suggested to include the DSP experiments based on C6748 DSP processor. Mr.S.Chellakumar suggested to include few EDA tools from SYNOPSYS so that the students can be made industry ready. Mr. A. Chandramouli suggested to encourage students to involve in mini projects on signal and image processing using simulation tools such as MATLAB and ANSYS HFSS. Ms. Rashmi requested to map the core industry projects carried out during their internship to the project phase II.

				
Dr.M.Bharathi (BoS Chairperson)	Dr.C.Vasanthanayaki (Anna University Nominee)	Dr.M.S.Sudhakar (Subject Expert)	Mr.S.Chella Kumar (Industry Expert)	Mr.A.Chandramouli (Alumni Member)

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING 21st Board of Studies Meeting		Ref No. KCT/ECE/BOS21/2022-23/01
	MINUTES OF MEETING		Prepared by: Ms. A. Kalaiselvi, AP II Issued by: Dr. M. Bharathi, HOD Issue Date: 31 JANUARY 2023
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7.	R	Members inputs towards upgradation of infrastructure / teaching aids to aid content delivery. <ul style="list-style-type: none"> The following Hardware/Tools were suggested by the BoS members to upgrade the laboratory facilities. Digital Signal Processing Laboratory – C6748 DSP processor, simulation tools such as MATLAB Communication Laboratory - ANSYS HFSS VLSI Laboratory – EDA tools from SYNOPSYS 	
8.	R, D	Any Any other matters <ul style="list-style-type: none"> Mr. G. Threshant (21BEC169) of 2nd year ECE has started his own start-up named Aviontive LLP in which he is developing a Freelancing platform for home services namely "Homeradius". The start-up has been recognised by Department for Promotion of Industry and Internal Trade (DPIIT). He requested to appear for the end semester examination even if his attendance is less than the minimum permissible percentage. His request was presented in the meeting and BoS members approved his request based on start-up policy and AICTE Guidelines for student entrepreneurs. Dr.M. Bharathi, HoD-ECE, delivered the vote of thanks. 	

				
Dr.M.Bharathi (BoS Chairperson)	Dr.C.Vasanthanayaki (Anna University Nominee)	Dr.M.S.Sudhakar (Subject Expert)	Mr.S.Chella Kumar (Industry Expert)	Mr.A.Chandramouli (Alumni Member)

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING 20th Board of Studies Meeting	Ref No. KCT/ECE/BOS20/2021-22/02
		Prepared by: Dr.B.Gopinath, ASP Issued by: Dr.S.A.Pasupathy, HOD Issue Date: 28 JUNE 2022
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Date:	28 JUNE 2022	Time:	11.00 AM to 12.30 PM	Venue	ECE Conference Hall
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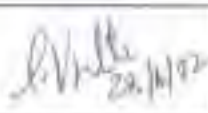
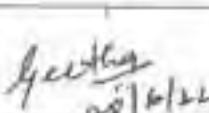
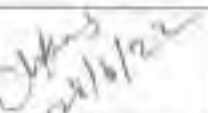
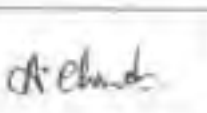
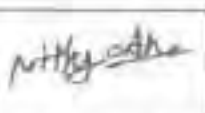
Participants of the meeting


External Panel Members

1. Dr. C. Vasanthanayaki (Anna University Nominee) – Professor & Head (PG), Department of Electronics and Communication Engineering, Government College of Technology, Coimbatore
2. Dr. K. S. Geetha (Subject Expert) – Professor & Vice-Principal, R V College of Engineering, Bengaluru.
3. Mr. S. Chella Kumar (Industry Expert) – Staff CAD Engineer, infinera India Pvt. Ltd., Bengaluru.
4. Mr. A. Chandramouli (Alumni Member) – Research Scientist, SAMEER, Chennai.
5. Mr. P. Nithyanandham (Alumni Member) – Technical Specialist, Infosys, Bengaluru.


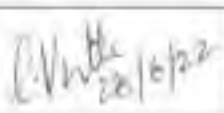
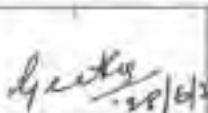
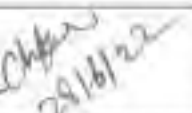
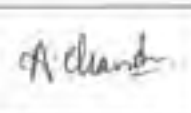
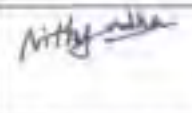
Internal Panel Members


1. Dr. S. A. Pasupathy (BoS Chairperson) – Professor and Head, ECE, KCT
2. Dr. K. Kavitha (UG Programme Coordinator) – Professor, ECE, KCT
3. Dr. M. Bharathi (PG Programme Coordinator) – Professor, ECE, KCT
4. Dr. B. Gopinath (BoS Coordinator) – Associate Professor, ECE, KCT
5. Dr. V. Vanitha (Member from allied department) – Professor, IT, KCT
6. Dr. Rani Thottungal – Professor, ECE, KCT
7. Dr. A. Amsaveni – Professor, ECE, KCT
8. Dr. M. Shanthi – Associate Professor, ECE, KCT
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11. Dr. M. Alagumeenaakshi – Associate Professor, ECE, KCT
12. Dr. S.N. Shivappriya – Associate Professor, ECE, KCT
13. Dr. K. Thilagavathi – Assistant Professor, ECE, KCT

					
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14. Dr. P. Gopinath – Assistant Professor, ECE, KCT
15. Ms. S. Nagarathinam- Assistant Professor, ECE, KCT
16. Mr. R. Darwin- Assistant Professor, ECE, KCT
17. Mr. R. Karthikeyan- Assistant Professor, ECE, KCT
18. Ms. R. Dhivya Praba- Assistant Professor, ECE, KCT
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29. Mr. Timothy Dhayakar Paul- Assistant Professor, ECE, KCT
30. Mr. V.P. Ajay- Assistant Professor, ECE, KCT
31. Mr. S. Boopathy- Assistant Professor, ECE, KCT
32. Ms. S. Rashmi - Student member from DA, ECE, KCT
33. Ms. V. Swethaa Shree – ProtoSem Student, ECE, KCT

					
Dr.S.A.Pasupathy (BoS Chairman)	Dr.C.Vasanthanayagi (Anna University Nominee)	Dr.K.S.Geetha (Subject Expert)	Mr.S.Chella Kumar (Industry Expert)	Mr.A.Chandramouli (Alumni Member)	Mr.P.Nithyanandham (Alumni Member)

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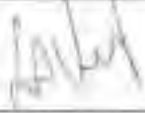

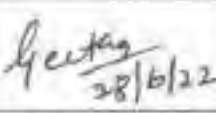
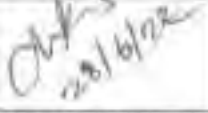
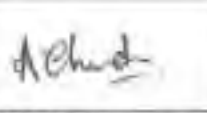
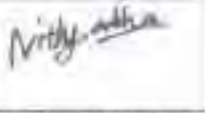
Agenda:


1. Action Taken Report on Previous BoS Meeting
2. Approval for New Elective Courses under R2018 Curriculum
3. Introduction of Naalaiva Thiran - Project Based Learning course as Professional Elective course under R2018 Curriculum
4. Targets for CO / PO for the Academic Year 2022-23
5. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2022-23
6. Proposal of New Curriculum under R2022
7. Members inputs towards upgradation of infrastructure / teaching aids to aid content delivery
8. Best Practices followed in (External) Member's Institutions
9. Any other matters (with the permission of Chairman, BoS)

MINUTES OF MEETING & ACTION POINTS

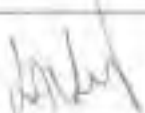
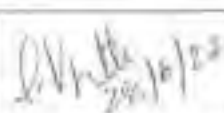
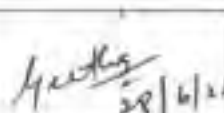
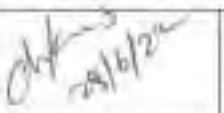
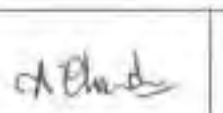
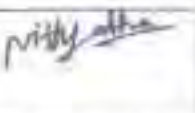
Codes: A: Action C: Comment D: Decision R: Recommendation


S.No	CODE	DESCRIPTION & DISCUSSION POINTS
1.	A	Action Taken Report on Previous BoS Meeting <ul style="list-style-type: none"> • Dr.S.A.Pasupathy, HoD-ECE, delivered the welcome address. • The Action Taken Report of the previous 19th BoS meeting was presented, and all the suggestions given by the BoS members were incorporated in undergraduate R18 Syllabus. • Vision, mission, PO, PED and PSO of the UG/PG programmes were shared with the panel members. • New Professional Elective Courses have been introduced in 6th & 7th Semester of R2018 Curriculum in association with Bosch Global Software Technologies namely U18ECE0057 - Introduction to HMI and U18ECE0058 - Advanced HMI. • 33 students from ECE, MCT and E&I have been selected by Bosch Global Software Technologies for the course.

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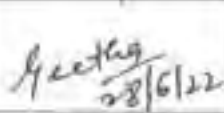

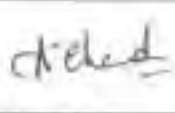

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2.	R, D	Introduction of New Professional Elective Course <ul style="list-style-type: none"> Anna University in association with the Department of Information Technology, Govt. of Tamil Nadu, is launching a program called Naalalya Thiran - an "Experiential Project Based Learning initiative", to empower students with enhanced professional and technical skills. This is a joint initiative of Anna University, ICT Academy of Tamil Nadu, NASSCOM and IBM, and is supported by the Tamil Nadu Skill Development Corporation under the Naan Mudalvan scheme of the Govt. of Tamil Nadu. As part of this program, Anna University is offering a MANDATORY ELECTIVE course, "Professional Readiness for Innovation, Employability and Entrepreneurship" with 3 credits to all the 7th semester students (of B.E. CSE, B.Tech. IT, and B.E. ECE) of all Non-Autonomous Colleges, Autonomous Colleges and University Departments. The credits earned will be considered in lieu of a professional elective of the 7th semester. This course has been approved by the Board of Studies, Faculty of ICE, Anna University. The above course was proposed and approved by the BoS members.
3.	R, C	Targets for CO / PO for Academic Year 2022-23 <ul style="list-style-type: none"> CO / PO attainments were calculated through direct and indirect methods. The methodology implemented to assess the CO / PO attainments was discussed. Dr. C. Vasanthanayaki (Anna University Nominee) suggested to analyze the POs which have not attained the target and bridge the gap by introducing new courses along with internships and NPTEL courses. CO / PO targets for the 2022-2023 academic year were fixed as per the previous attainment levels of POs.


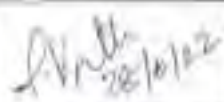
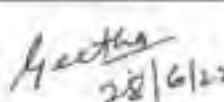
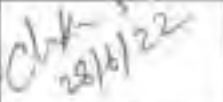
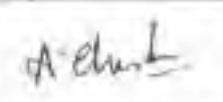
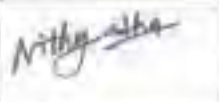
					
Dr.S.A.Pasupathy (BoS Chairman)	Dr.C.Vasanthanayaki (Anna University Nominee)	Dr.K.S.Geetha (Subject Expert)	Mr.S.Chella Kumar (Industry Expert)	Mr.A.Chandramouli (Alumni Member)	Mr.P.Nithyanandham (Alumni Member)


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4.	C, R	Proposal of New Curriculum under R-2022 <ul style="list-style-type: none"> A draft version of New Curriculum under Regulation 2022 was proposed from III Semester to VIII Semester based on the inputs given by all the module coordinators and members. The AICTE model curriculum, UGC guidelines and Anna University curriculum were followed to arrive the draft version of New Curriculum. National Educational Policy (NEP 2020) and its implementation challenges were discussed. Credit banking to enable Institutional transfer and Multi Entry and Multi Exit (MEME) Scheme were also discussed related to NEP 2020 to devise the New Curriculum. BoS panel members gave few suggestions to enhance the New Curriculum and they were recorded by the respective module coordinators.
5.	R	Approval of Panel of Examiners for AY 2022-23 <ul style="list-style-type: none"> A list of panel of external examiners for the end semester question paper setting and project viva-voce presented. It was approved in the BoS meeting for the academic year 2022-2023.


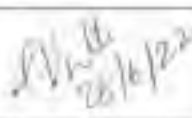
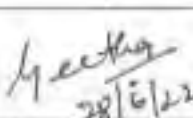

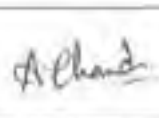
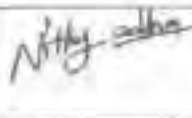
					
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6.	C, R	Suggestions for new curriculum & syllabi for R2022 <ul style="list-style-type: none"> • Dr.C.Vasanthanayagi appreciated the success of the Protosem and initiative of bringing in alumni for Zeroth project review and suggested to involve experts from IIT for the project review process. • She also suggested that Nano Technology courses may be included as elective or core courses in VLSI domain to cover nanoelectronics concepts. • She suggested to normalize the PO calculation with respect to number of courses. • She requested to give justification for maintaining the same Target for CO-PO and justify the gaps in the present curriculum, get the feedback from stakeholders and frame the objective of the new curriculum R2022. • Dr. K S Geetha suggested to introduce NPTEL course like project management as mandatory for the completion of project phase II. • Ms. Swetha Shree expressed her experience on the Engineering Clinic course and the benefits of the same. 	
7.	R, C	Members inputs towards upgradation of infrastructure / teaching aids to aid content delivery <ul style="list-style-type: none"> • Expert members suggested that the NPTEL Courses with same credits can be transferred to the academic credit. NPTEL grading can be Mapped to the Academic Grade and incorporated in the regulations. • Dr.C.Vasanthanayagi appreciated that Tamilnadu Government sanctioned 40,00,000 Lakhs to have tie up with 11 Government institution and with Forge. 	

					
Dr.S.A.Pasupathy (BoS Chairman)	Dr.C.Vasanthanayagi (Anna University Nominee)	Dr.K.S.Geetha (Subject Expert)	Mr.S.Chella Kumar (Industry Expert)	Mr.A.Chandramouli (Alumni Member)	Mr.P.Nithyanandham (Alumni Member)

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8.	R, C	Best Practices followed in Member's Institutions <ul style="list-style-type: none"> • Dr.K.S.Geetha summarized the practices followed in her institution. • At the end of First year, certificate of Engineering is given and at the end of second year, Diploma certificate is given. • For first year students, credit-based Yoga and Indian Knowledge system are offered as electives. • 4 weeks – on campus and 6 weeks – industry internships are provided for students. • Idea lab has been established where students can take up IoT based projects. • Dr.C.Vasanthanayaki summarized that Foreign Language training and TCS ICAR are adopted in Government institutions.
		<ul style="list-style-type: none"> • The meeting concluded with all the above-mentioned thoughts and the vote of thanks was proposed by Dr.B.Gopinath, BoS Coordinator.

					
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Date:	13 December 2021	Time:	02.30 PM to 04.00 PM	Online	MS-TEAMS
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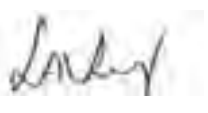


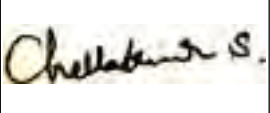

Participants of the meeting


External Panel Members

1. Dr. C. Vasanthanayaki (Anna University Nominee) – Professor and Head, Electronics and Communication Engineering, Government College of Engineering, Salem.
2. Dr. M. S. Sudhakar (Subject Expert) – Associate Professor, Electronics Engineering, VIT-Vellore.
3. Mr. S. Chella Kumar (Industry Expert) – Infinera India Pvt. Ltd., Bengaluru.
4. Mr. A. Chandramouli (Alumni Member) – Research Scientist, SAMEER, Chennai.

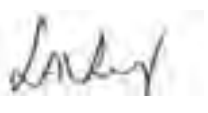


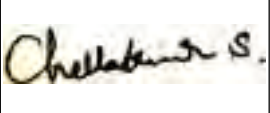

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3. Dr. M. Bharathi (BoS Coordinator-PG) - Professor, ECE, KCT
4. Dr. B. Gopinath (BoS Coordinator-UG) - Associate Professor, ECE, KCT
5. Dr. V. Vanitha (Member from allied department) - Professor, IT, KCT
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31. Mr. V.P. Ajay- Assistant Professor, ECE, KCT
32. Ms. S. Tamilelakkia- Assistant Professor, ECE, KCT
33. Mr. S. Boopathy- Assistant Professor, ECE, KCT
34. Ms. V. P. Sakthipriyanka (Student member from DA) - DA President, ECE, KCT
35. Mr. A. Adarsh (Student member from F40) - Final Year Student, ECE, KCT

				
Dr.S.A.Pasupathy (BoS Chairperson)	Dr.C.Vasanthanayaki (Anna University Nominee)	Dr.M.S.Sudhakar (Subject Expert)	Mr.S.Chella Kumar (Industry Expert)	Mr.A.Chandramouli (Alumni Member)

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING 19th Board of Studies Meeting	Ref No. KCT/ECE/BOS19/2021-22/01 Prepared by: Dr.B.Gopinath, ASP Issued by: Dr.S.A.Pasupathy, HOD Issue Date: 15 December 2021
	MINUTES OF MEETING	Page Number: 3 of 6

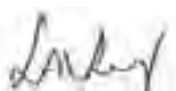


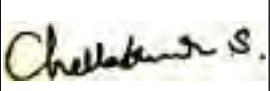

Agenda:


1. Action Taken Report on Previous BoS Meeting
2. Stakeholders' feedback and the changes recommended on PEO/PSO
3. Targets for CO / PO for Academic Year 2021-22
4. Approval of Panel of Examiners for AY 2021-22
5. Introduction of Minor Specialization
6. Members inputs for Implementing NEP 2020
7. Suggestions for new curriculum & syllabi for R2022
8. Members inputs towards upgradation of infrastructure / teaching aids to aid content delivery
9. Best Practices followed in Member's Institutions
10. Any other matters

MINUTES OF MEETING & ACTION POINTS

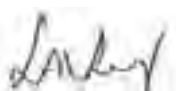


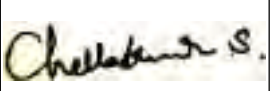

Codes: A: Action C: Comment D: Decision R: Recommendation


S.No	CODE	DESCRIPTION & DISCUSSION POINTS
1.	A	Action Taken Report on Previous BoS Meeting <ul style="list-style-type: none"> • Dr.S.A.Pasupathy, HoD-ECE, delivered the welcome address. • He presented the previous 18th BoS meeting Action Taken Report and all the suggestions given by the BoS members were incorporated in undergraduate R18 Syllabus. • Vision, mission, PO, PEO and PSO of the UG/PG programmes were shared with the panel members. • The significant developments related to elective course "U18ECE0056 – Multicore Architecture and Programming for Embedded Systems" and proposal for the new industry based elective courses were summarized by Dr.B.Gopinath, Associate Professor-ECE.

				
Dr.S.A.Pasupathy (BoS Chairperson)	Dr.C.Vasanthanayaki (Anna University Nominee)	Dr.M.S.Sudhakar (Subject Expert)	Mr.S.Chella Kumar (Industry Expert)	Mr.A.Chandramouli (Alumni Member)

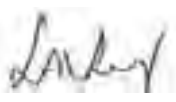


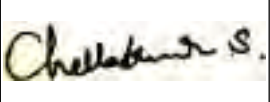

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING 19th Board of Studies Meeting	Ref No. KCT/ECE/BOS19/2021-22/01 Prepared by: Dr.B.Gopinath, ASP Issued by: Dr.S.A.Pasupathy, HOD Issue Date: 15 December 2021
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2.	R, C	Stakeholders' feedback and the changes recommended on PEO/PSO <ul style="list-style-type: none"> Stakeholders' feedback and recommendations were collected on PEO/PSO of UG/PG programmes and it was decided to revise the PEO/PSO under the new regulations R2022.
3.	R, C	Targets for CO / PO for Academic Year 2021-22 <ul style="list-style-type: none"> Dr.K.Kavitha, Professor-ECE presented the end semester examination results and CO-PO attainments as the outcomes of Programme Assessment Committee (PAC) and Department Advisory Board (DAB) meetings. CO / PO attainments were achieved for all the 2020-2021 (EVEN) semester courses CO / PO targets for the 2021-2022 academic year were fixed as 70% for analytical courses and 80% for theory courses. The feedbacks obtained on Curriculum and Syllabus of R18-UG/PG from faculty members, students and alumni members were also discussed. It was concluded that no major revisions were required in Curriculum and Syllabus of R18-UG/PG. Based on the feedback, bridge courses are going to be conducted for 2021-2022 batch PG students.
4.	R	Approval of Panel of Examiners for AY 2021-22 <ul style="list-style-type: none"> Dr.S.Sasikala, Associate Professor-ECE presented a list of panel of external examiners for the end semester question paper setting and project viva-voce. It was approved in the BoS meeting for the academic year 2021-2022. Dr.C.Vasanthanayaki, Anna University Nominee suggested to involve find the Industry experts in the assessment processes.
5.	D	Introduction of Minor Specialization <ul style="list-style-type: none"> Dr.S.A.Pasupathy introduced the implementation of Minor Specialization courses by CSE, MCE & SFS departments for the ECE department students. He also explained the plan for introducing Minor Specialization/Honors courses in Human Machine Interface (HMI) domain during the forthcoming semesters.

				
Dr.S.A.Pasupathy (BoS Chairperson)	Dr.C.Vasanthanayaki (Anna University Nominee)	Dr.M.S.Sudhakar (Subject Expert)	Mr.S.Chella Kumar (Industry Expert)	Mr.A.Chandramouli (Alumni Member)

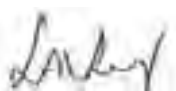


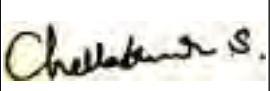

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	MINUTES OF MEETING	Page Number: 5 of 6

6.	R	Members inputs for Implementing NEP 2020 <ul style="list-style-type: none"> Dr.S.A.Pasupathy initiated the discussion on implementing NEP 2020 in higher education institutions. Dr.C.Vasanthanayaki expressed that there were no information received from the Anna University and Higher Education Department so far related to NEP 2020. She assured to convey the information related to NEP 2020 then and there.
7.	R	Suggestions for new curriculum & syllabi for R2022 <ul style="list-style-type: none"> The existing modules of R18 regulation were presented and the possible domains to be included for the new curriculum and syllabi under Regulations 2022 were discussed. Dr.C.Vasanthanayaki suggested that Nano Technology courses may be included as elective or core courses in VLSI domain to cover nanoelectronics concepts. Dr.M.S.Sudhakar, Subject Expert suggested to introduce specific courses on Sensors and Wearable Technology in the new curriculum. Mr.S.Chellakumar suggested to give more attention on VLSI Technology, as the government encourages semiconductor manufacturing to a higher level in India which will create more employment in the near future. Dr.V.Vanitha suggested that the courses related to the domains Cloud, Computer Vision and Reinforcement Learning could be added in the new curriculum to train students for IT sector. Ms.V.P.Sakthipriyanka, President-DA requested to offer Advanced Communication Systems as minor specialization. Mr.A.Adarsh, Final Year Student, ECE requested practical courses in Machine Learning and Digital Image Processing to be added in the new curriculum which was supported by Mr.S.Chellakumar.

				
Dr.S.A.Pasupathy (BoS Chairperson)	Dr.C.Vasanthanayaki (Anna University Nominee)	Dr.M.S.Sudhakar (Subject Expert)	Mr.S.Chella Kumar (Industry Expert)	Mr.A.Chandramouli (Alumni Member)

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING 19th Board of Studies Meeting	Ref No. KCT/ECE/BOS19/2021-22/01 Prepared by: Dr.B.Gopinath, ASP Issued by: Dr.S.A.Pasupathy, HOD Issue Date: 15 December 2021
	MINUTES OF MEETING	Page Number: 6 of 6

8.	R, C	Members inputs towards upgradation of infrastructure / teaching aids to aid content delivery <ul style="list-style-type: none"> Dr.S.A.Pasupathy explained the periodical upgradation of infrastructure such as KC.AIR for automation and robotics, Keysight Technology for advanced communication system design and Texas Instrumentation for Signal Processing happened in the four years. He requested the panel members to share their views to upgradation of infrastructure / teaching aids. Dr.M.S.Sudhakar suggested that faculty may be trained to handle the courses in Java and python, as these courses meet the current industry needs.
9.	R, C	Best Practices followed in Member's Institutions <ul style="list-style-type: none"> Dr.M.S.Sudhakar explained the practice followed in VIT University. He narrated that all the courses have been narrow down under three categories as Programme linked Engineering Sciences, discipline linked Engineering Sciences and discipline core courses. Also, the courses are offered under eight specializations in the domains Augmented Reality/Virtual Reality, Automotive Electronics, Biomedical Engineering, Communication Systems and Networking, Nano Electronics and Photonics, Sensors and Wearable Technology, Embedded Systems and IoT, Signal Processing and Machine Vision and VLSI Design. He also summarized that the Minor Specialization courses are offered under Biomedical, Communication and Electronics domains. Mr.S.Chellakumar appreciated the offering of various language courses like Japanese, German and French as minor specialization
		<ul style="list-style-type: none"> The meeting concluded with all the above-mentioned thoughts and the vote of thanks was proposed by Dr.B.Gopinath.

				
Dr.S.A.Pasupathy (BoS Chairperson)	Dr.C.Vasanthanayaki (Anna University Nominee)	Dr.M.S.Sudhakar (Subject Expert)	Mr.S.Chella Kumar (Industry Expert)	Mr.A.Chandramouli (Alumni Member)



MINUTES OF BOARD OF STUDIES MEETING - JUNE 2021

Department: Electronics and Communication Engineering

Programme: B.E Electronics and Communication Engineering

M.E Communication Systems

Venue: Online mode – MS TEAMS

Date: 5th June 2021

Time: 2:00 PM – 4:00 PM

Board of Studies Composition (as per UGC Recommendations)

S. No	Name	Designation as per UGC	Designation / Affiliation
1.	Dr. S. A. Pasupathy, Head of the Department	Chairperson	Professor and Head, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049.
2.	Dr. B. Gopinath BoS Coordinator – UG Dr. M. Bharathi, BoS Coordinator – PG Dr. K. Kavitha, R18/R17 Curriculum/Syllabus Incharge All Faculty Members	Members	Associate Professor, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049. Professor, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049. Professor, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049.
3.	Dr. C. Vasanthanayaki	University Nominee	Professor and Head, Department of Electronics and Communication Engineering, Government College of Engineering, Salem-636011.
4.	Dr. K. S. Geetha	Subject Expert	Professor and Head, Department of Electronics and Communication Engineering, R V college of Engineering, Bengaluru-560059

5.	Dr. M. S. Sudhakar	Subject Expert	Associate Professor, School of Electronics Engineering (SENSE), VIT Vellore, Vellore-632014
6.	Mr. S. Chella Kumar	Expert from Industry	Staff CAD Engineer, Infinera India Pvt. Ltd., Bengaluru-560025
7.	Mr. A. Chandramouli	Alumni Member with PG qualification	Research Scientist, EMC division, SAMEER-Centre for Electromagnetics, 2 nd cross road, CIT campus, Taramani, Chennai-641113
8.	Mr. P. Nithyanandham	Alumni Member with PG qualification	Technical Specialist, Infosys, Bengaluru.
9.	Dr. V. Vanitha	Faculty member from allied department - Special Invitee	Professor, Department of Information Technology, Kumaraguru College of Technology, Coimbatore-641049.
10.	Ms. S. Sukirtha	Students from Department Association	17BEC036, DA Member, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049.
11.	Mr. A. Adarsh	Student from F40	18BEC095, F40 Member, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049.

1. Welcome Note and Action Taken Report on previous BoS meeting

- Dr.K.Kavitha, Professor delivered the welcome address and introduced the BoS members.
- She presented the previous 17th BoS meeting Action Taken Report and all the suggestions given by the BoS members were incorporated in undergraduate R18 Syllabus.
- The end semester examination results and CO-PO attainments were reported as the outcomes of Programme Assessment Committee (PAC) and Department advisory board (DAB) meetings.
- The feedbacks obtained about Curriculum and Syllabus of R18 from faculty members, students and alumni members were also discussed. It was concluded that no major revisions were required in Curriculum and Syllabus of R18.

2. Introduction of New Programme Electives / Open Electives

- A new Professional Elective Course entitled “U18ECE0056 - Multicore Architecture and Programming for Embedded Systems” was introduced under Embedded Systems Bucket in association with Robert Bosch.
- A new Open Elective Course entitled “18ECO0005 - Introduction to Neural Networks and Deep Learning” was introduced.
- A revision in PROTOSEM (Prototyping Semester) courses was done by the FORGE Incubator and suitable mapping has been done in R18.
- **Suggestions by Members:** Dr. M. S. Sudhakar, Subject Expert pointed out to eliminate the abbreviation “aka” (also known as) in “U18ECE0056 - Multicore Architecture and Programming for Embedded Systems”.

Response: The BoS Coordinator accepted the suggestion, and the abbreviation was removed in the revised course syllabus.

- **Suggestions by Members:** Dr. M. S. Sudhakar, Subject Expert suggested that the module 5 of the course “18ECO0005 - Introduction to Neural Networks and Deep Learning” has to be revised. He also asked clarification on assessment pattern.

Response: The subject handling faculty member Dr.S.Sasikala, Associate Professor responded for the query and accepted to revise the content and assessment pattern.

3. Members inputs towards upgradation of infrastructure / teaching aids to aid content delivery

- Dr.B.Gopinath, Associate Professor summarised about various online tools used in the campus such as, MyCAMU, MS-TEAMS, MS-OUTLOOK, MS-FORMS, Onedrive and Examly platforms and requested the panel members to give inputs towards upgradation of infrastructure / teaching aids to aid content delivery.
- **Suggestions by Members:** BoS members expressed their views on online tools. They asked about the procedure of conducting online examinations through Examly portal. Dr.M.S.Sudhakar shared his experience on conducting online proctored examinations at VIT Vellore campus using CodeTantra and question paper pattern used.

Response: Dr.A.Amsaveni, Professor explained the procedure of conducting End Semester Examinations through Examly portal. Mr. P. Nithyanandham, Alumni member and Ms.S.Sukirtha, Final Year student also shared their experience on Examly portal.

- **Suggestions by Members:** Dr. K. S. Geetha, Subject Expert asked about the identification of malpractices in AI protected online examinations.

Response: Dr.A.Amsaveni, Professor explained about the warning settings and maximum limitations of the warnings. Mr. P. Nithyanandham, Alumni member and Ms.S.Sukirtha, Final Year student also shared their experience on Examly portal.

- **Suggestions by Members:** Dr. C. Vasanthanayaki, Anna University nominee suggested to use the tools, assessment methods and question paper pattern as per the autonomous norms and the guidelines of Anna University.

Response: Dr.K.Kavitha, Professor, Dr.A.Amsaveni, Professor and other members confirmed that the institution is following the norms of Anna University in all respect.

- **Suggestions by Members:** Dr. C. Vasanthanayaki, Anna University nominee enquired about the conduction of end semester practical examination and sharing of recorded videos to students.

Response: Dr.K.Kavitha, Professor and Dr.A.Amsaveni, Professor explained about the procedure followed in conduction of online practical examination and sharing of recorded videos to students.

4. Members' suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

- The existing modules of R18 regulation were presented and the possible domains to be included for the new curriculum and syllabi under Regulations 2022 were discussed.
- **Suggestions by Members:** Dr.K.S.Geetha, Subject Expert suggested that the existing fundamental modules could be blended with latest developments such as Artificial Intelligence, Robotics, Embedded Systems-IoT, AR & VR and applications while developing new curriculum and syllabi. Mr.S.Chella Kumar, Industry Expert suggested to give more attention on Artificial Intelligence and IoT related components for the new curriculum design. Dr. M. S. Sudhakar, Subject Expert suggested that the courses related to the domains Artificial Intelligence and IoT might be narrow and decomposed. Ms.S.Sukirtha, Final Year student suggested to introduce the courses with real-time applications.

5. Introduction of New M.Tech. Programme - Information Technology (Artificial Intelligence and Robotics)

- Dr.B.Gopinath, Associate Professor introduced the curriculum of the new M.Tech. Programme in Information Technology (Artificial Intelligence and Robotics) and the facilities of the department to host the PG programme with a specialisation of Artificial Intelligence and Robotics.


- **Suggestions by Members:** Dr.M.S.Sudhakar, Subject Expert suggested few corrections in the curriculum.


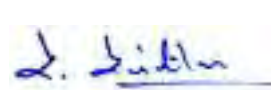

Response: Dr.B.Gopinath, Associate Professor assured to incorporate the suggestions in the curriculum. Dr.S.A.Pasupathy, Professor & Head of the department added few points related to the new PG programme.



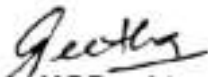

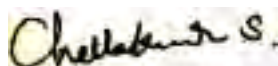

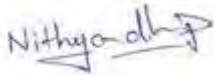
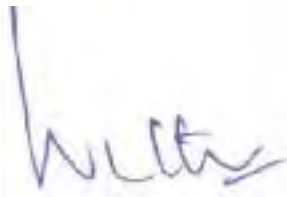
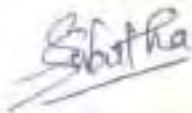

6. Members' recommendations for implementing NEP 2020

- The salient points related to National Education Policy 2020 for curriculum development were discussed.
 - Skill development based curriculum
 - Attention towards AI, IoT, Industry 4.0
 - Upgradation of faculty members and students
 - Synchronization between academia and industry

7. The BoS Coordinator proposed vote of thanks and concluded the meeting.


Dr.S.A.PASUPATHY
HoD/ECE
Professor & Head
 Dept.of Electronics and Communication Engg.
 Kumaraguru College of Technology
 Coimbatore – 641 049.

S. No	Name	Designation / Affiliation	Signature
1.	Dr. S. A. Pasupathy, Head of the Department	Chairperson & Professor and Head, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049.	
2.	Dr. K. Kavitha, R18/R17 Curriculum/Syllabus Incharge	Professor, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049.	
3.	Dr. M. Bharathi, BoS Coordinator – PG	Professor, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049.	

4.	Dr. B. Gopinath BoS Coordinator – UG	Associate Professor, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049.	
5.	Dr. C. Vasanthanayaki	University Nominee & Professor and Head, Department of Electronics and Communication Engineering, Government College of Engineering, Salem-636011.	
6.	Dr. K. S. Geetha	Subject Expert & Professor and Head, Department of Electronics and Communication Engineering, R V college of Engineering, Bengaluru-560059	
7.	Dr. M. S. Sudhakar	Subject Expert & Associate Professor, School of Electronics Engineering (SENSE), VIT Vellore, Vellore-632014	
8.	Mr. S. Chella Kumar	Expert from Industry & Staff CAD Engineer, Infinera India Pvt. Ltd., Bengaluru-560025	
9.	Mr. A. Chandramouli	Alumni Member & Research Scientist, EMC division, SAMEER-Centre for Electromagnetics, 2 nd cross road, CIT campus, Taramani, Chennai-641113	
10.	Mr. P. Nithyanandham	Alumni Member & Technical Specialist, Infosys, Bengaluru.	
11.	Dr. V. Vanitha	Faculty member from allied department - Special Invitee & Professor, Department of Information Technology, Kumaraguru College of Technology, Coimbatore-641049.	
12.	Ms. S. Sukirtha	Student from Department Association & 17BEC036, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049.	
13.	Mr. A. Adarsh	Student from F40 & 18BEC095, F40 Member, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049.	



MINUTES OF BOARD OF STUDIES MEETING

Department: Electronics and Communication Engineering
Programme: B.E Electronics and Communication Engineering
M.E Communication Systems
Venue: Online mode – MS TEAMS
Date: 20th November 2020
Time: 2:00 PM – 4:00 PM

1. Welcome Note and Introduction of Members by Chairperson

- Dr.S.A.Pasupathy, Professor and Head delivered the welcome address and introduced the BOS Panel Members.
- He presented about the history of the institute and the department to the newly formed BoS panel members. He presented various facilities of the department and the Institute Vision, Mission, Department Vision, Mission, PEOs, POs and PSOs.
- The chairperson presented the previous 16th BoS meeting details and Department advisory board (DAB) meeting outcomes. The CO-PO mapping along with PEOs and PSOs were discussed.

2. Curriculum - balance of courses as per domain, pre-requisites

- **Suggestions by Members:** The BoS members reviewed the curriculum presentation and satisfied with balance of courses as per domain. Dr. K. S. Geetha, subject expert suggested that U18ECI5202 - Computer Architecture and Microprocessor course contents must be restructured since the Microprocessor is a pre-requisite for Computer Architecture.

Response: The suggestion given by the subject expert was accepted and last three modules belonging to Microprocessor were restructured as first three modules and first two modules belonging to Computer Architecture were arranged as last two modules.

3. Syllabus - Updation and relevance to industrial, career requirement:

- The BoS Chairman presented the UG - R18 Curriculum and Syllabus for 5th to 8th Semesters, R17 Elective Syllabus and Amendments in PG - R18 Communication Systems.
- **Suggestions by Members:** Dr. M. S. Sudhakar, Subject Expert expressed that there are few courses found to have old references books and suggested to update with recent edition for the next revision of curriculum and syllabus.

Response: Module coordinators and faculty members assured to include the latest edition of reference books during the next revision.

- **Suggestions by Members:** Dr. M. S. Sudhakar, Subject Expert suggested to reorganize “Module 3 – Clustering and Dimensionality Reduction” contents of the course U18ECE0014 - Machine Learning.

Response: The suggestion was accepted and “Module 3 – Clustering and Dimensionality Reduction” contents of the course U18ECE0014 - Machine Learning has been reconstructed.

- **Other changes proposed in the UG – R17 & R18 Curriculum and Syllabus and Amendments in PG – R18 Communication Systems**
 - R17 and R18 Curriculum and Syllabus were approved by the BoS members.
 - R17 and R18 Amendments for Protosem and Course waiver were approved.
 - R17 and R18 Professional Electives were reviewed and finalized.
 - R17 and R18 Open Electives were reviewed and finalized.
 - A new one credit course titled “U15ECIN11 - Urban Mining and Electronic Resource from E-Waste” was approved as R15 amendment.
 - Amendments in PG – R18 Communication Systems were approved.

4. Course Delivery - Mode and effectiveness

- **Suggestions by Members:** The BoS members suggested that certain concepts in VLSI, Communication, Software Defined Radio shall be offered through Virtual laboratories.
- **Response:** The faculty members explained about various software tools that are being used in VLSI and Communication laboratories as virtual tools.

5. Course Assessment - Mode and effectiveness

- **Suggestions by Members:** Dr. M. S. Sudhakar, Subject Expert asked about the variation in the number of COs from 4 to 6 and suggested to have uniform number of COs across all courses.

Response: The chairperson explained that the number of COs was depending on the content of the course and assured to take into consideration the suggestion in the next revision of the curriculum and syllabus.

- **Suggestions by Members:** The BoS members suggested that the mapping of COs with POs needed some strategy and asked to ensure that all the POs have been mapped in the program.

Response: The chairperson and module coordinators replied that the CO-PO mapping was done by the respective module coordinators and their team. They have ensured the appropriate CO-PO mapping through multiple scrutiny.

6. Infra requirement, upgradation

- **Suggestions by Members:** Mr. S. Chella Kumar, industry expert enquired about the front end and back end tools used in VLSI laboratory for UG and PG students.

Response: The faculty members listed out various tools used in VLSI laboratory and industry expert satisfied about the tools available in the laboratory.

7. Student's knowledge and skill development

- **Suggestions by Members:** Dr. C. Vasanthanayaki, University Nominee/Subject Expert and Dr. K. S. Geetha, subject expert suggested that new elective on Deep learning may be included during the next revision, as this will develop skill of students and generate good employment opportunities.

Response: Module coordinators accepted to include deep learning based elective course during the next revision.

8. Faculty and support faculty development / training

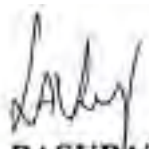
- **Suggestions by Members:** The BoS members satisfied on faculty and support faculty development and there were no suggestions on it.

9. Faculty qualification/ specialisation - recommendation

- **Suggestions by Members:** The BoS members satisfied on faculty qualification / specialisation and there were no suggestions on it.

10. The Alumni members Mr. A. Chandramouli and Mr. P. Nithyanandham and student members Ms. S. Sukirtha and Mr. A. Adarsh from the department association expressed that they satisfied with curriculum and syllabus proposed.

11. The BoS Chairman proposed vote of thanks and concluded the meeting.



Dr.S.A.PASUPATHY
HoD/ECE
Professor & Head
Dept.of Electronics and Communication Engg.
Kumaraguru College of Technology
Coimbatore - 641 049.



KUMARAGURU COLLEGE OF TECHNOLOGY, COIMBATORE – 641 049
(An Autonomous Institution affiliated to Anna University, Coimbatore)

**DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING**

Board of Studies (BOS) Meeting – Attendance

The Department of Electronics and Communication Engineering conducted 17th Board of studies meeting for approving the amendments in R2017 and the curriculum and syllabus of R2018 of B.E. (ECE) and amendments in R2018 of M.E. Communication Systems through online mode on 20.11.2020 (Friday) between 2.00-4.00 PM.

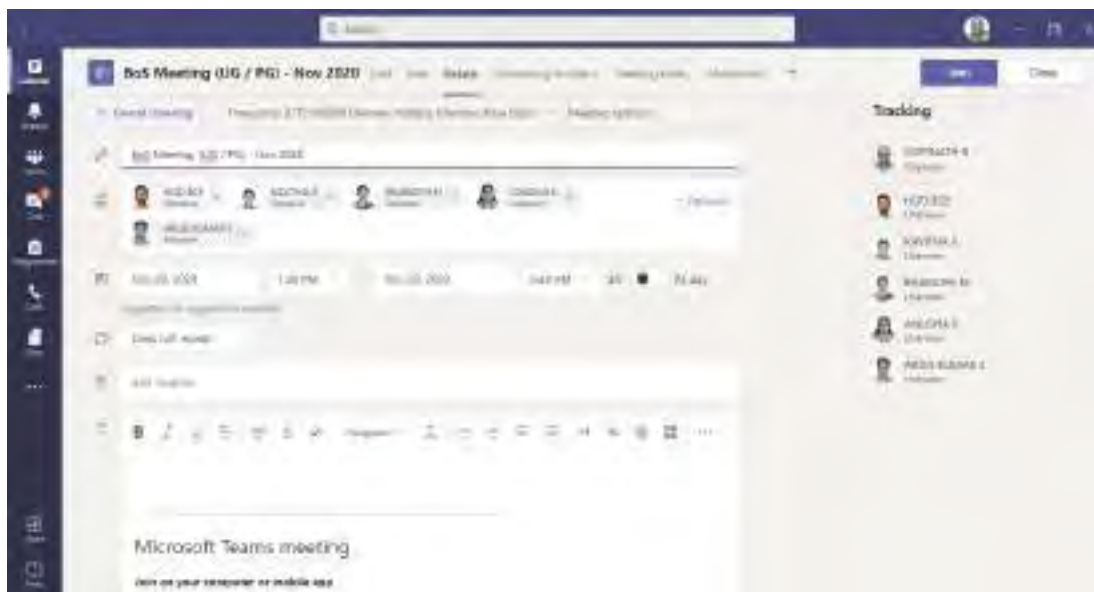
Department: Electronics and Communication Engineering

Programme: B.E Electronics and Communication Engineering
M.E Communication Systems

Venue: Online mode – MS TEAMS

Date: 20th November 2020

Time: 2:00 PM – 4:00 PM



Agenda:

1. Amendments in R2017
2. Curriculum and syllabus of R2018 - B.E. ECE program for V-VIII semester
3. Approval of courses and syllabus offered as open electives from ECE department.
4. Protosem course equivalence and approval of the courses offered by FORGE business incubator
5. Amendments in M.E. Communications Systems

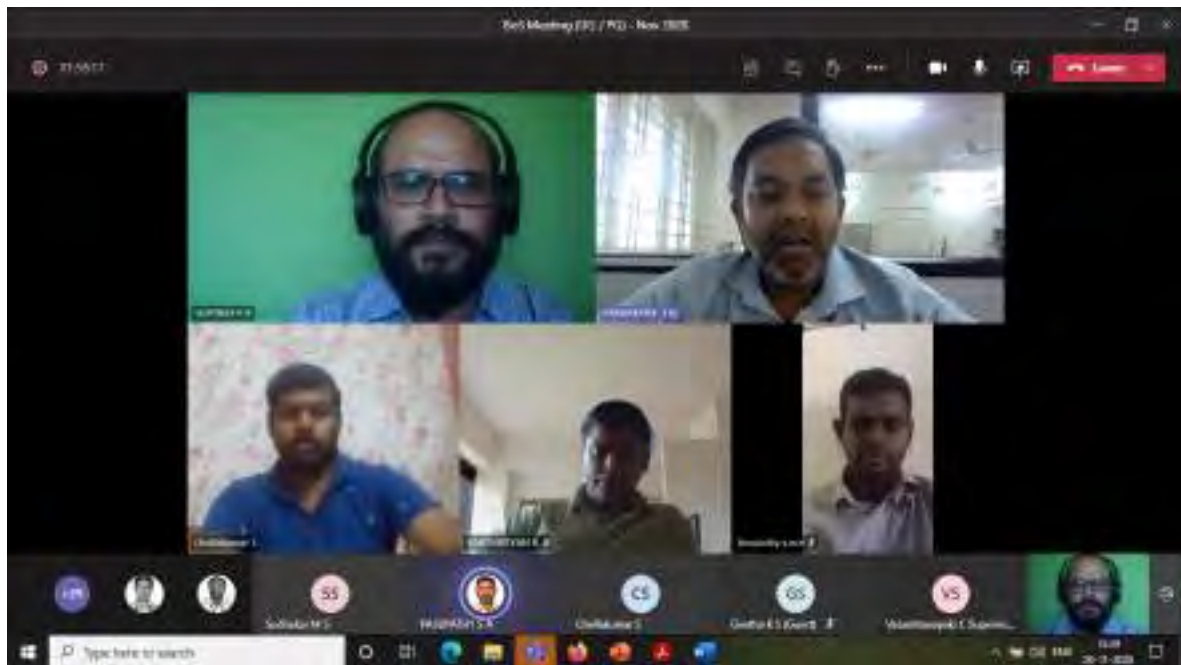
The following members have attended the Board of Studies (BOS) meeting and actively shared their valuable suggestions.


S. No	Name	Designation as per UGC	Designation / Affiliation with full contact details
1.	Dr. S. A. Pasupathy, Head of the Department	Chairperson	Professor and Head, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049. Email: hod.ece@kct.ac.in Ph.No: 8098141600
2.	Dr. B. Gopinath BoS Coordinator – UG	Member	Associate Professor, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049. Email: gopinath.b.ece@kct.ac.in Ph.No: 8667735416
3.	Dr. M. Bharathi, BoS Coordinator – PG	Member	Professor, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049. Email: bharathi.m.ece@kct.ac.in Ph.No: 9786287975
4.	Dr. K. Kavitha, R18/R17 Curriculum/Syllabus Incharge	Member	Professor, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049. Email: kavitha.k.ece@kct.ac.in Ph.No: 9442215734
5.	Dr. C. Vasanthanayaki	University Nominee	Professor and Head, Department of Electronics and Communication Engineering, Government College of Engineering, Salem-636011. Email: vasanthanayakic@gmail.com Ph.No: 9487564005
6.	Dr. K. S. Geetha	Subject Expert	Professor and Head, Department of Electronics and Communication Engineering, R V college of Engineering, Bengaluru-560059 Email: geethaks@rvce.edu.in Ph.No: 9900700990
7.	Dr. M. S. Sudhakar	Subject Expert	Associate Professor, School of Electronics Engineering (SENSE), VIT Vellore, Vellore-632014 Email: sudhakar.ms@vit.ac.in Ph.No: 9940622907
8.	Mr. S. Chella Kumar	Expert from Industry	Staff CAD Engineer, Infinera India Pvt. Ltd., Bengaluru-560025 Email: chellas@infinera.com Ph.No: 9741012959

9.	Mr. A. Chandramouli	Alumni Member with PG qualification	Research Scientist, EMC division, SAMEER-Centre for Electromagnetics, 2 nd cross road, CIT campus, Taramani, Chennai-641113 Email: chandramouliasokan@gmail.com Ph.No: 9894399709
10.	Mr. P. Nithyanandham	Alumni Member with PG qualification	Senior Consultant, Robert Bosch, Coimbatore-641049 Email: nithyanandham.33@gmail.com Ph.No: 8940222888
11.	Dr. V. Vanitha	Faculty member from allied department - Special Invitee	Professor, Department of Information Technology, Kumaraguru College of Technology, Coimbatore-641049. Email: vanitha.v.cse@kct.ac.in Ph.No: 9944650728
12.	Ms. S. Sukirtha	Students from Department Association and F40 - Special Invitee	17BEC036, DA Member, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049. Email: sukirtha.17ec@kct.ac.in Ph.No: 8870694122
13.	Mr. A. Adarsh	Students from Department Association and F40 - Special Invitee	18BEC095, F40 Member, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049. Email: adarsh.18ec@kct.ac.in Ph.No: 7904276397
14.	All Faculty Members of the Department		

Herewith, Expert Members attendance are attached as screen shots.






Dr.S.A.PASUPATHY
HoD/ECE
Professor & Head
Dept.of Electronics and Communication Engg.
Kumaraguru College of Technology
Coimbatore - 641 049.

KUMARAGURU COLLEGE OF TECHNOLOGY, COIMBATORE-641049

Department of Electronics and Communication Engineering (UG)

16 th Board of Studies Meeting- Members List-Academic year 2018-2019

Attendance Sheet

DATE: 24.11.2018

S.No	Details of Expert	Signature
01	Name of the University Nominee: Dr. G. Geetha, Associate Professor, Anna University, Chennai. Contact No:2235 8914 Email Id:geetha@annauniv.edu	G. Geetha
02	Head of the Dept(Chairman-BOS) Dr S.A Pasupathy Professor and Head	S.A Pasupathy
03	Name of the teaching faculty from each specialization Dr.K.Kavitha (Convener) Dr.M.Bharathi Ms M Shanthi Dr.A.Amsaveni Ms.R.Hemalatha Dr.M.Alagumeenakshi Mr.R.Karthikeyan	J. Jithin M. Bharathi S. Shanthi A. Amsaveni R. Hemalatha M. Alagumeenakshi R. Karthikeyan
04	Name of the expert nominated by Academic Council(outside the college) Dr.P.Palanisamy, Associate Professor, Dept. of ECE, National Institute of Technology, Trichrapalli-620015 Email: palan@nitt.edu Mobile: 9487741710 Dr. P. Vijayalakshmi, Professor, Department of ECE, SSN College of Engineering, Old Mahabalipuram Road, SSN Nagar, Kalavakkam- 603 110 Email: vijayalakshmip@ssn.edu.in Mob. No: 91 44 27469700	P. Palanisamy 24/11/2018 Vijayalakshmi 24/11/18

	<p>Name of the representative from Industry/corporate sector/allied area relating to placement:</p> <p>Mr. Divyanshu Verma, Senior Manager, Intel R&D,Bangalore. Karnataka India Email id: divyanshu.verma@intel.com Mobile: 9900141833</p> <p>G.R. Nisha, Scientist/Engineer "SF" Section Head, Components Screening Lab,QDAC/QRAG/SR, VRC, Veli hills, ISRO (po), Trivandrum,Kerala-695022. Email: nisha3074@gmail.com Ph: 9446472020</p> <p>Mr. Rangabhargavan, Senior Module Lead, Avaya Technologies, Pune, India Email id:rbhargavans@avaya.com Ph:08378989331</p>	<p><i>Divyanshu</i></p> <p><i>Not Attended</i></p> <p><i>Not Attended</i></p>
	<p>Post Graduate, meritorious alumni nominated by principal:</p> <p>Mr. Senthilkumar Sub Divisional Engineer (RF) Bharat Sanchar Nigam Limited, Salem. Mob.No:94449 03999 Email.Id:nsk.bsnl@gmail.com</p> <p>Mr.Senthil Govind Shetty, Senior Manager,Robert Bosch Engineering and Business Solutions,Coimbatore. Email:senthil.g@in.bosch.com Mob: 9585546044</p>	<p><i>Senthil Kumar</i></p> <p><i>Not Attended</i></p>

	Co-opt member Name with designation Lawrence W.C. Wong, Professor, Department of Electrical and Computer Engineering, National University of Singapore Email id:wong_lawrence@nus.edu.sg Phone no: 6516 2565 Dr M Ezhilarasi Professor & Head, Department of E&I, Kumaraguru College of Technology, Coimbatore 49 Email ID:hod.eie@kct.ac.in	Not Attended
	Other members of staff of the same department Prof.K.Ramprakash Dr.R.Ranithottungal Dr.RamalathaMarimuthu Dr.S.N.Shivappriya Ms.S.Sasikala Ms.K.Thilagavathi Ms. K. Anusha Mr.S.Arunkumar	K.R. Ramprakash Ranithottungal Ramalatha Marimuthu S.N. Shivappriya Sasikala - - Anusha Arunkumar
(2)	COE/Coordinator Autonomous:	
(3)	DOA	DOA 24/11/13
(4)	Students	
	Cibi Prananan.S - 15BEC130	Cibi Prananan.S
	PREM S-B - 15BEC171	PREM S-B
	Prerna H. Vice Principal	Prerna H.

Chairman BOS/ECE



**KUMARAGURU COLLEGE OF TECHNOLOGY
COIMBATORE – 641 049**

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 24.11.2018

XVI Board of Studies Meeting

The XVI Board of studies Meeting for the ECE department was conducted on 24.11.2018. The board of studies member approved the following under the autonomous status

Approval of:

1. R-17 & R-18 curriculum.
2. 3rd and 4th semester syllabus for R18
3. 5th and 6th semester syllabus for R17
4. R15 Amendments.

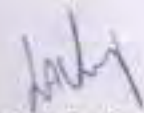
S.No	Details of Expert	Signature
01	Name of the University Nominee: Dr. G. Geetha, Associate Professor, Anna University, Chennai. Contact No:2235 8914 Email id:geetha@annauniv.edu	G Geetha
02	Head of the Dept(Chairman-BOS) Dr S.A Pasupathy Professor and Head	S.A Pasupathy
03	Name of the teaching faculty from each specialization Dr.K.Kavitha (Convener) Dr.M.Bharathi Ms M Shanthi Dr.A.Amsaveni Ms.R.Hemalatha Dr.M.Alagumeenakshi Mr.R.Karthikeyan	J. Jithin M Bharathi S M Shanthi Amsaveni R Hemalatha M Alagumeenakshi R Karthikeyan
04	Name of the expert nominated by Academic Council(outside the college) Dr.P.Palanisamy, Associate Professor, Dept. of ECE, National Institute of Technology, Trichrapalli-620015 Email: palan@nitt.edu Mobile: 9487741710 Dr. P. Vijayalakshmi, Professor, Department of ECE,	P.Palanisamy 24/11/2018 Vijayalakshmi 24/11/18


	SSN College of Engineering, Old Mahabalipuram Road, SSN Nagar, Kalavakkam- 603 110 Email: vijayalakshmi@ssn.edu.in Mob. No: 91 44 27469700	
	Name of the representative from Industry/corporate sector/allied area relating to placement: Mr. Divyanshu Verma, Senior Manager, Intel R&D, Bangalore, Karnataka India Email id: divyanshu.verma@intel.com Mobile: 9900141833	Divyanshu
05	Ms G.R. Nisha, Scientist/Engineer "SF" Section Head, Components Screening Lab, QDAC/QRAG/SR, VRC, Veli hills, ISRO (po), Trivandrum, Kerala-695022. Email: nisha3074@gmail.com Ph: 9446472020 Mr. Rangabhargavan, Senior Module Lead, Avaya Technologies, Pune, India Email id: rbhargavans@avaya.com Ph: 08378989331	Received comments through phone
06	Post Graduate meritorious alumni nominated by principal: Mr. Senthilkumar Sub Divisional Engineer (RF) Bharat Sanchar Nigam Limited, Salem. Mob.No:94449 03999 Email.Id:nsk.bsnl@gmail.com Mr.Senthil Govind Shetty, Senior Manager, Robert Bosch Engineering and Business Solutions, Coimbatore. Email: senthil.g@in.bosch.com Mob: 9585546044	 Received comments through phone

	Co-opt member Name with designation Lawrence W.C. Wong, Professor, Department of Electrical and Computer Engineering, National University of Singapore Email id: wong_lawrence@nus.edu.sg Phone no: 6516 2565	Received Comments through phone
	Dr M Ezhilarasi Professor & Head, Department of E&I, Kumaraguru College of Technology, Coimbatore 49 Email ID: hod.eie@kct.ac.in	
	Other members of staff of the same department Prof.K.Ramprakash Dr.R.Ranithottungal Dr.RamalathaMarimuthu Dr.S.N.Shivappriya Ms.S.Sasikala Ms.K.Thilagavathi Ms. K. Anusha Mr.S.Arunkumar	K.R. Prakash Ranithottungal Ramalatha S.N. Shivappriya Sasikala Thilagavathi Anusha Arunkumar
	COE/Coordinator Autonomous:	
	DOA Dr. V. Stephen Raphael	
	Students	
1	Karthikeyani S	Karthi S
2	Abinaya S	Abinaya S
3	Cibi Ranavan	Cibi Ranavan
4	Praveen Kumar	Praveen Kumar

The following points were discussed:

1. As per R 17 Embedded course is introduced with both theory and lab components. The assessment for the same is done separately for theory and lab. Since the assessment is done separately, BOS members suggested having separate Course code for theory and lab.
2. Network Theory : 2 port network concepts should be introduced first before analysis.
3. Brand names should not be included in syllabus & curriculum
4. Signals & Systems : Band pass sampling to be included
5. Digital Signal Processing : Review of DTFT ,Frequency response - pole zero analysis of filters to be introduced in the beginning .
6. Communication Engineering I : Multiplexing concepts to be included in Introduction to Modulation.
7. Communication Engineering II : 2 textbooks may be included.
8. Optical communication to be revised.
9. Radars & Navigational Aids to be introduced instead of GPS.
10. Research: PG students to be grouped based on their interest either Research / Job. The students interested in research to be retained in the campus during the project phase to improve departmental publications / Research.
11. Approval of the following changes in R15 Curriculum:
New Professional Elective Courses and open elective course are approved.
Approval of the courses in PROTOSEM


HOD ECE


PRINCIPAL



Department of Electronics and Communication Engineering (UG)

15th BOS Meeting – Members List - Academic year 2017-18

Attendance Sheet

Date : 24.03.2018

Sl.No.	Details of Expert	Signature
01	Name of the University Nominee: Dr. G. Geetha, Associate Professor, Anna University, Chennai. Contact No:2235 8914 Email Id:geetha@annauniv.edu	G. Geetha
02	Head of the Dept(Chairman-BOS) Dr S A Pasupathy Professor and Head	S. A. Pasupathy
03	Name of the teaching faculty from each specialization	
	Dr.K.Kavitha (Convenor)	K. Kavitha
	Dr.Ramalatha Marimuthu	R. Marimuthu
	Dr.K.Paramasivam	K. Paramasivam
	Dr.M.Bharathi	M. Bharathi
	Dr. A.Amsaveni,	A. Amsaveni
	Ms.M.Shanthi	M. Shanthi
04	Dr.S. Uma Maheswari	S. Umamaheswari
	Name of the expert nominated by Academic Council (outside the college)	
05	Dr.P.Palanisamy, Professor, Dept. of ECE, National Institute of Technology, Trichrapalli-620015 Email: palan@nit.edu Mobile: 9487741710	P. Palanisamy 24/3/2018
	Dr. P. Vijayalakshmi, Professor, Department of ECE, SSN College of Engineering, Old Mahabalipuram Road, SSN Nagar, Kalavakkam- 603 110 Email: vijayalakshmip@ssn.edu.in Mob. No: 91 44 27469700	Vijayalakshmi 24/03/18
06	Name of the representative from Industry/corporate sector/allied area relating to placement:	
	Mr. Divyanshu Verma, Senior Manager, Intel R&D,Bangalore. Karnataka India Email id: divyanshu.verma@intel.com Mobile: 9900141833	Divyanshu Verma 24/3/2018

	G.R. Nisha, Scientist/Engineer "SF" Section Head, Components Screening Lab, QDAC/QRAG/SR, VRC, Veli hills, ISRO (po), Trivandrum, Kerala-695022, Email: nisha3074@gmail.com Ph: 9446472020	<u>Nisha</u>
	Mr. Rangabhargavan, Senior Module Lead, Avaya Technologies, Pune, India Email id:rbhargavans@avaya.com Ph:08378989331	<u>R. Bhargava</u>
06.	Post Graduate meritorious alumni nominated by principal:	
	Mr. Senthilkumar Sub Divisional Engineer (RF) Bharat Sanchar Nigam Limited, Salem. Mob.No:94449 03999 Email:ldmsk.bsnl@gmail.com	<u>Senthil Kumar</u>
	Mr.Senthil Govind Shetty, Senior Manager,Robert Bosch Engineering and Business Solutions,Coimbatore. Email:senthil.g@in.bosch.com Mob: 9585546044	Provided comments through phone
07(a)	Co-opt member Name with designation	
	Lawrence W.C. Wong, Professor, Department of Electrical and Computer Engineering, National University of Singapore Email id:wong_lawrence@nus.edu.sg Phone no: 6516 2565	<u>Lawrence Wong</u>
	Dr M Ezhilarsi Professor & Head, Department of E&I, Kumaraguru College of Technology, Coimbatore 49 Email ID:ha.ele@ket.ac.in	Provided comments through phone
(b)	Other members of staff of the same department	
	Ms.R Hemalatha	<u>R. Hemalatha</u>
	Ms. K. Thilagavathi	<u>K. Thilagavathi</u>
	Ms. Ashwini A. Metri	<u>Ashwini A. Metri</u>
	Ms. T. Jaspur Vinitha Sundari	<u>T. Jaspur Vinitha Sundari</u>
	Ms. K. Anusha,	<u>K. Anusha</u>
	Mr.R. Karthikeyan	<u>R. Karthikeyan</u>
(c)	COE/Coordinator Autonomous:	<u>(Dr. J. Vijay Prakash)</u>
(d)	DOA	
(f)	Special Invitee - Protosem [Professors/Managers] , S. DINESH	<u>S. Dinesh</u>
	Students S. ABINAYA	<u>S. Abinaya</u>
	S KARTHIKEYANII	<u>S. Karthikeyani</u>

Chairman – BOS / ECE



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MINUTES OF XV BOARD OF STUDIES MEETING CONDUCTED ON 24.03.2018

The Department of Electronics and communication engineering conducted Board of studies meeting for approving curriculum of R2017 and R2018 and syllabus for R2017 (III & IV semester), R2018(I and II semester) of B.E. ECE programme on 24.03.2018(Saturday) at 9.30 am in C Block conference hall.

Dr.S.A.Pasupathy, Professor and Head of the Department chaired the meeting and presented the draft version of curriculum and syllabus.

The following Members attended the meeting

S.No.	Name of the member	Role of the Member
1.	Dr .S.A. Pasupathy Professor and Head	Chairman-BOS
2.	Dr. G. Geetha Associate Professor, Anna University, Chennai.	Anna University Nominee
3.	Dr.P.Palanisamy, Professor, Dept. of ECE, National Institute of Technology, Trichirapalli	Experts nominated by Academic Council(outside the college)
4.	Dr.P. Vijayalakshmi, Professor, Department of ECE, SSN College of Engineering	
5.	Mr. Rangabhargavan, Senior Module Lead, Avaya Technologies, Pune, India	Representative from Industry
	Mr. Divyanshu Verma, Senior Manager, Intel R&D, Bangalore.	
	G.R. Nisha, Scientist/Engineer "SF" Section Head, Components Screening Lab, QDAC/QRAG/SR, VRC, Veli hills, ISRO (po), Trivandrum	
6.	Mr. Senthilkumar Sub Divisional Engineer (RF) Bharat Sanchar Nigam Limited, Salem.	Alumni nominated by principal
7.	Lawrence W.C. Wong, Professor, Department of Electrical and Computer Engineering, National University of Singapore	Special Invite
8.	Dr.M.Ezhilarsi Professor & Head Department of E& I, KCT	
9.	Dr.K.Kavitha, Professor	Faculty from each specialization
	Dr.Ramalatha Marimuthu, Professor	
	Dr.K.Paramasivam, Professor	
	Dr.M.Bharathi Professor	
	Dr.A.Amsaveni, Professor	
10.	Ms.M.Shanthi, Associate Professor	
	Ms.S. Uma Maheswari, Associate Professor	

11.	Ms.R Hemalatha, Associate Professor	Other members of staff of the same department
	Ms. K. Thilagavathi, AP -III	
	Mr.R.Karthikeyan, AP-II	
	Ms. K. Anusha, AP-I	
	Mr.S.Dinesh, AP-I	
	Ms. T. Jaspur Vinitha Sundari, AP-I	
	Ms. Ashwini A. Metri, AP-I	
12.	Dr. J. Vijay Prakash	COE/Coordinator Autonomous
13.	Dr. Vinohar Stephen Rapheal Associate Professor	DOA

The following were recommended by the expert members of BoS:

General Comments:

- Control System to be moved to 4th semester.
- Sensors and electronic measurement course to be moved to elective list.
- VLSI and Antenna Design to be incorporated in Engineering Clinics.
- RF and microwave, Wireless Communication and Optical communication to be included as Program Core by reducing the number of elective courses.
- Total Contact hours per week to be included in the curriculum structure
- Electron devices to include circuits and renamed as Electron devices and circuits
- IPR content to be introduced to the students
- Project Phase I to be replaced by Project/Internship
- Open Electives to include consumer electronics and Principles of Communication systems
- Professional Elective to incorporate Machine learning, Pattern recognition and GPS and its application
- R14 and R15 Amendments for protosem and Course waiver discussed.


HOD ECE



KUMARAGURU
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IA^{GRADE}++

Electrical and Electronics Engineering




KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and Accreditation Council)

IA^{GRADE}++

Electrical and Electronics Engineering

Sl. No.	Date of Board of Studies meeting
1.	28.04.2023
2.	24.01.2023
3.	19.07.2022
4.	14.12.2021
5.	12.06.2021
6.	28.11.2020
7.	01.12.2018
8.	04.04.2018

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Department Board of Studies-UG	Ref No. KCT/EEE/BoS/2022 - 23/01
		Prepared by: Dr. R. Kavitha Issued By: Dr. K. Malarvizhi, Issue Date: 2 nd MAY 2023
	MINUTES OF MEETING	Page Number: 1 of 5

Date:	28 th APRIL 2023	Time:	02.00 PM to 04.00 PM	Online	MS Teams
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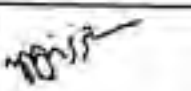

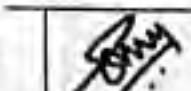
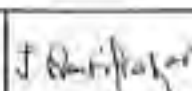
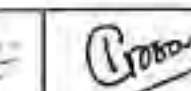
Participants of the meeting

External Panel Members


1. Dr. K. Ranjith Kumar (Anna University Nominee), Associate Professor, Department of Electrical and Electronics Engineering, Government College of Technology, Coimbatore.
2. Dr. S. Moorthi (Subject Expert), Associate Professor, Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli.
3. Dr. R. Muthiah (Subject Expert), Associate Dean, School of Computing, SASTRA University, Thanjavur.
4. Prof. Shriram Vasudevan (Subject Expert Embedded system), Technical Manager - Learning and Development, Amrita University, Coimbatore.
5. Mr. K. Gangadharan (Alumni Member), Senior software Architect, Robert Bosch, Coimbatore.

Internal Panel Members

1. Dr. K. Malarvizhi (BoS Chairperson) - Professor and Head, Electrical and Electronics Engineering, KCT
2. Dr. P. Thirumoorthi (UG Coordinator) - Professor, Electrical and Electronics Engineering, KCT
3. Dr. K. Paramasivam (PG Coordinator) - Professor, Electrical and Electronics Engineering, KCT
4. Dr. K. Premalatha - Associate Professor, Electrical and Electronics Engineering, KCT
5. Dr. V. Kandasamy - Associate Professor, Electrical and Electronics Engineering, KCT
6. Dr. R. Kavitha - Associate Professor, Electrical and Electronics Engineering, KCT.
7. Dr. M. Mohanraj - Associate Professor, Electrical and Electronics Engineering, KCT.
8. Dr. B. Karunamoorthy - Associate Professor, Electrical and Electronics Engineering, KCT

					
Dr. K. Ranjith Kumar	Dr. S. Moorthi	Dr. R. Muthiah	Prof. Shriram Vasudevan	Mr. J. Senthil prakash	Dr. K. Malarvizhi

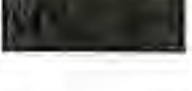
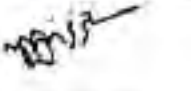

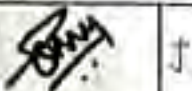
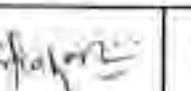
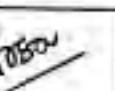
Dr. K. MALARVIZHI, M.E., Ph.D
 Professor & Head - EEE
 Kumaraguru College of Technology
 Coimbatore - 641 049

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Department Board of Studies-UG	Ref No. KCT/EEE/BoS/2022 - 23/01
		Prepared by: Dr. R. Kavitha Issued By: Dr. K. Malarvizhi, Issue Date: 2 nd MAY 2023
	MINUTES OF MEETING	Page Number: 2 of 5


9. Dr.M.Nirmala - Assistant Professor, Electrical and Electronics Engineering, KCT
10. Dr. N. Prakash - Assistant Professor, Electrical and Electronics Engineering, KCT
11. Mr. T. Shanthi - Assistant Professor, Electrical and Electronics Engineering, KCT
12. Mr. J. Ram prabu - Assistant Professor, Electrical and Electronics Engineering, KCT
13. Dr. N. Vinoth Kumar- Associate Professor, Electrical and Electronics Engineering, KCT
14. Ms R. Sandhya devi - Assistant Professor, Electrical and Electronics Engineering, KCT
15. Dr Kaliappan S - Assistant Professor, Electrical and Electronics Engineering, KCT
16. Mr Suresh Kumar R- Assistant Professor, Electrical and Electronics Engineering, KCT
17. Ms Maithili P- Assistant Professor, Electrical and Electronics Engineering, KCT
18. Ms Anushree G- Assistant Professor, Electrical and Electronics Engineering, KCT
19. Mr.Arunkumar S - Assistant Professor, Electrical and Electronics Engineering, KCT
20. Mr Mohana Sundaram N - Assistant Professor, Electrical and Electronics Engineering, KCT
21. Mr Viswanathan T - Assistant Professor, Electrical and Electronics Engineering, KCT
22. Mr.M.Mathankumar - Assistant Professor, Electrical and Electronics Engineering, KCT
23. Ms D Sharmitha - Assistant Professor, Electrical and Electronics Engineering, KCT
24. Pooja M-UG Student, Electrical and Electronics Engineering, KCT
25. Sarigha sriram- UG Student, Electrical and Electronics Engineering, KCT

Discussions on

1. Action Taken Report on Previous BoS Meeting
2. Introduction of New Professional Electives / Open Electives / One Credit Courses /Minor Specialization courses in Electric Vehicles
3. Targets for CO / PO for Academic Year 2022-23
4. Approval of Panel of Examiners for AY 2022-23
5. Members Recommendations for Implementing NEP 2020
6. Forth coming curriculum composition approval

					
Dr. K. Ranjith Kumar	Dr. S. Moorthi	Dr. R. Muthalah	Prof. Shriram Vasudevan	Mr. J. Senthil prakash	Dr. K. Malarvizhi

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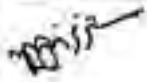
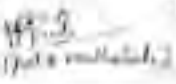
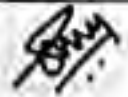
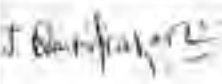
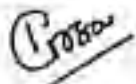
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7. Suggestions for new curriculum & syllabi for new Regulations
8. Domain areas for Faculty Training.
9. Members Recommendations on infrastructure/Teaching tools for content delivery
10. Best Practices followed in (External) Member's Institutions


MINUTES OF MEETING & ACTION POINTS

Codes: A: Action C: Comment D: Decision R: Recommendation

S.NO	CODE	DESCRIPTION & DISCUSSION POINTS
1.		Action Taken Report on Previous BoS Meeting is presented.
2.	A, D	<p>The following courses are tentatively proposed for forth coming regulation "Introduction to Electrical, Electronics and Instrumentation Engineering" course in semester 1 for non-circuit Branches.</p> <p>(AERO, AUTO, BIO, CSE, IT, AI&DS, MECH, MCE, CIVIL, FT, TXT).</p> <p>The following courses are proposed for non-circuit branches in Semester II</p> <p>Basic Engineering – I</p> <p>Electrical appliances and Domestic wiring</p> <p>Electrical Machines and Drives</p> <p>Introduction to Electric Vehicle Technology</p> <p>Fundamentals of Renewable Energy Systems</p> <p>Basic Engineering – II</p> <p>Introduction to Embedded Systems and IoT</p> <p>Basics of Signal Processing</p> <p>Fundamentals of Communication Systems</p> <p>Introduction to transducer engineering</p> <p>Introduction to industrial measurement systems</p>
3.	R, C	<p>Dr K. Ranjith Kumar, Associate Professor</p> <ul style="list-style-type: none"> Suggested to include Basics of civil and Mechanical Engineering in first year for EEI students in forth coming regulations.


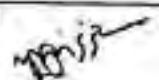
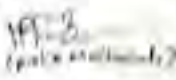
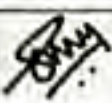
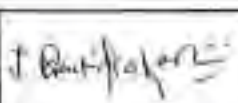
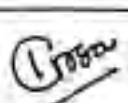
					
Dr. K. Ranjith Kumar	Dr. S. Moorthi	Dr. R. Muthiah	Prof. Shyam Vasudevan	Mr. J. Senthil prakash	Dr. K. Malarvizhi

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	<p>Dr. S. Moorthi, Associate Professor</p> <ul style="list-style-type: none"> Suggested to offer more electives Elective courses in tracks which enables the student to focus and improve the skills in particular specialization. <p>Dr. R. Muthiah, Associate Dean</p> <ul style="list-style-type: none"> Suggested to encourage partial delivery of courses by Industrial Experts. Courses on Electric vehicles and Embedded systems are conducted as value added course in association with TVS Lucas Pvt.Ltd. <p>Prof. Shriram Vasudevan, Technical Manager – Learning and Development</p> <ul style="list-style-type: none"> INTEL would provide support for Training, syllabus framing and certifications on "AI and Deep learning course". <p>Mr. Senthil Prakash, Technopac Pvt.Ltd</p> <ul style="list-style-type: none"> Training students in Embedded based controllers would support the students for implementing projects in real time.
	The meeting concluded with all the above-mentioned thoughts and the vote of thanks


 2/5/23
 Dr. K. Malarvizhi, HOD/EEE
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Dr. K. Ranjith Kumar	Dr. S. Moorthi	Dr. R. Muthiah	Prof. Shriram Vasudevan	Mr. Senthil Prakash	Dr. K. Malarvizhi

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Date: 24 th JAN 2023	Time: 02.00 PM to 04.00 PM	Online	MS Teams
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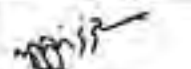
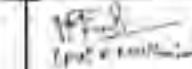
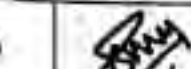
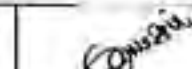
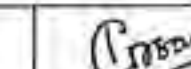
Participants of the meeting

External Panel Members


1. Dr. K. Ranjith Kumar (Anna University Nominee), Associate Professor, Department of Electrical and Electronics Engineering, Government College of Technology, Coimbatore.
2. Dr. S. Moorthi (Subject Expert), Associate Professor, Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli.
3. Dr. R. Muthiah (Subject Expert), Associate Dean, School of Computing, SASTRA University, Thanjavur.
4. Prof. Shriram Vasudevan (Subject Expert Embedded system), Technical Manager - Learning and Development, Amrita University, Coimbatore.
5. Mr. K. Gangadharan (Alumni Member), Senior software Architect, Robert Bosch, Coimbatore.

Internal Panel Members

1. Dr. K. Malarvizhi (BoS Chairperson) - Professor and Head, Electrical and Electronics Engineering, KCT
2. Dr. P. Thirumoorthi (UG Coordinator) - Professor, Electrical and Electronics Engineering, KCT
3. Dr. K. Paramasivam (PG Coordinator) - Professor, Electrical and Electronics Engineering, KCT
4. Dr. K. Premalatha - Associate Professor, Electrical and Electronics Engineering, KCT
5. Dr. V. Kandasamy - Associate Professor, Electrical and Electronics Engineering, KCT
6. Dr. R. Kavitha - Associate Professor, Electrical and Electronics Engineering, KCT,
7. Dr. M. Mohanraj - Associate Professor, Electrical and Electronics Engineering, KCT,
8. Dr. B. Karunamoorthy - Associate Professor, Electrical and Electronics Engineering, KCT

					
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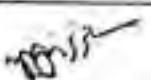

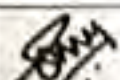

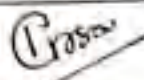
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9. Dr.M.Nirmala - Assistant Professor, Electrical and Electronics Engineering, KCT
10. Dr. N. Prakash - Assistant Professor, Electrical and Electronics Engineering, KCT
11. Mr. T. Shanthi - Assistant Professor, Electrical and Electronics Engineering, KCT
12. Mr. J. Ram prabu - Assistant Professor, Electrical and Electronics Engineering, KCT
13. Dr. N. Vinoth Kumar- Assistant Professor, Electrical and Electronics Engineering, KCT
14. Ms R. Sandhya devi - Assistant Professor, Electrical and Electronics Engineering, KCT
15. Dr Kaliappan S - Assistant Professor, Electrical and Electronics Engineering, KCT
16. Mr Suresh Kumar R- Assistant Professor, Electrical and Electronics Engineering, KCT
17. Ms Maithili P- Assistant Professor, Electrical and Electronics Engineering, KCT
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22. Mr Suryaprakash S - Assistant Professor, Electrical and Electronics Engineering, KCT
23. Mr.M.Mathankumar - Assistant Professor, Electrical and Electronics Engineering, KCT
24. Ms D Sharmitha - Assistant Professor, Electrical and Electronics Engineering, KCT
25. Pooja M-UG Student, Electrical and Electronics Engineering, KCT
26. Ezhileesha.E- UG Student, Electrical and Electronics Engineering, KCT
27. Sarigha sriram- UG Student, Electrical and Electronics Engineering, KCT

Discussions on

1. Action Taken Report on Previous BoS Meeting
2. Introduction of New Professional Electives / Open Electives / One Credit Courses /Minor Specialization courses in Electric Vehicles

					
Dr. K. Ranjith Kumar	Dr. S. Moorthi	Dr. R. Muthiah	Prof. Shriram Vasudevan	Mr. K. Gangadharan	Dr. K. Malarvizhi

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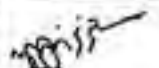
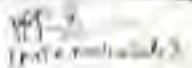
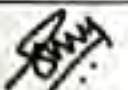

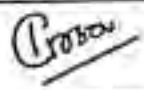
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3. Addition of New Lab Experiments in R2018 Courses Stakeholder's feedback and the changes recommended on (i) Vision-Mission Statements, (ii) PEO/PSO, (iii) Innovative Teaching / Learning / Assessment Methods
4. Targets for CO / PO for Academic Year 2022-23
5. Approval of Panel of Examiners for AY 2022-23
6. Members Recommendations for Implementing NEP 2020
7. R2023 curriculum composition approval
8. Suggestions for new curriculum & syllabi for Regulations 2023 (R2023)
9. Domain areas for Faculty Training.
10. Members Recommendations on infrastructure/Teaching tools for content delivery
11. PROTOSEM Curriculum and Syllabus
12. Best Practices followed in (External) Member's Institutions


MINUTES OF MEETING & ACTION POINTS

Codes: A: Action C: Comment D: Decision R: Recommendation


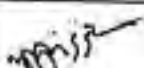

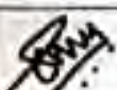
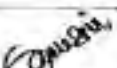
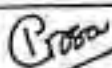
S.NO	CODE	DESCRIPTION& DISCUSSION POINTS												
1.		<ul style="list-style-type: none">Meeting started with the welcome address. Vision, mission, PEO, PO and PSO of the department have been shared with the panel members.Action Taken Report on Previous BoS Meeting is presented.												
2.	A, D	<ul style="list-style-type: none">One Credit Courses in Green Energy, Verilog, VHDL Programming is approved.PG Programme on "Electric Vehicle Technology" and "Green Energy Technology" are proposed. <p>Minor Specialization courses in Electric Vehicles is presented for R2023 and panel members approved the same.</p> <table><tr><td>U18EER0005</td><td>Introduction to Green Energy</td></tr><tr><td>U18EER0006</td><td>Climate change and Green Environment</td></tr><tr><td>U18EER0007</td><td>Solar power technology</td></tr><tr><td>U18EER0008</td><td>Energy Storage Technology for Green Energy</td></tr><tr><td>U18EER0009</td><td>Alternative Green energy Technologies</td></tr><tr><td>U18EER0010</td><td>Project</td></tr></table>	U18EER0005	Introduction to Green Energy	U18EER0006	Climate change and Green Environment	U18EER0007	Solar power technology	U18EER0008	Energy Storage Technology for Green Energy	U18EER0009	Alternative Green energy Technologies	U18EER0010	Project
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Dr. K. Ranjith Kumar	Dr. S. Moorthi	Dr. R. Muthaiya	Prof. Shriram Vasudevan	Mr. K. Gangadharan	Dr. K. Malarvizhi

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		<p>The following 2 credit EDGE courses are introduced</p> <p>U18EER0001- FOSS Essentials For Professionals</p> <p>U18EER0002 -MATLAB - SIMULINK For Electrical Science & Engineering Application</p> <p>U18EER0003 - Printed Circuit Board Design With Proteus 8.6</p> <p>U18EER0004 - Embedded System Design Using Tinker Cad</p> <ul style="list-style-type: none"> Targets for CO / PO for Academic Year 2022-23 is presented. Panel of Examiners for AY 2022-23 is approved by the panel. Overview of R2023 curriculum and syllabi is presented for UG. R2023 curriculum Electives are grouped as separate Track - Power and Energy Systems. Embedded system and Computer Technology, Automotive Electronics and Electric Vehicle Technology and Automation and control. Proseminar curriculum and syllabus were discussed and recommended. <p>The Targets for various COs, POs/PSOs prescribed for the forthcoming semester is approved</p> <p>Curriculum feedback obtained from various stakeholders are discussed and action taken is presented.</p>
3.	R,C	<p>Dr K. Ranjith Kumar, Associate Professor</p> <ul style="list-style-type: none"> Suggested to shift Electric Circuit Analysis to first semester rather than including Basic of Electrical and Electronics Engineering. suggested to offer Data Structure and algorithms offer it in VI semester. Tutorial hours to be added for Electric Circuit Analysis, Electro magnetic Fields, Digital Signal Processing, Power System Analysis and Control Systems. <p>Dr. S. Moorthi, Associate Professor</p> <ul style="list-style-type: none"> Suggested that Analog Electronics course can be separated into Electronic devices and circuits and Linear Integrated circuits. Course on Electric circuits can be offered in first semester followed Network and

					
Dr. K. Ranjith Kumar	Dr. S. Moorthi	Dr. R. Muthiah	Prof. Shiram Vasudevan	Mr. K. Gangadharan	Dr. K. Malarvizhi

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systems in semester II.

- Suggested to accommodate Power system analysis course in V semester itself so that students have power system oriented papers in all semester distributed uniformly.

Dr. R. Muthiah, Associate Dean

- Course "Network and systems" can be renamed as "Network and Linear systems"
- Generation Transmission and Distribution course, to be separated as Generation and Electrical Energy and Transmission and Distribution
- Suggested to include partial delivery of courses by industrial Experts.
- Embedded courses can be represented as Semi theory Semi lab course. Recommended to change Power electronics Theory course as Embedded course.

Prof. Shriram Vasudevan, Technical Manager – Learning and Development

- Design project to be included in the experimental part for Analog Electronics lab, Digital Electronics lab and Power Electronics lab.
- Provide Support to tie up with INTEL for "AI and Deep learning course" -Training, syllabus framing and certifications.

Mr. K. Gangadharan, Senior software Architect


Elective Grouping based on domain would increase the placement opportunities in specialized core sector like Electric Vehicles.

4. The meeting concluded with all the above-mentioned thoughts and the vote of thanks

Crossa
24/1/23
Dr. K. Malarvizhi, HOD/EEE

Dr. K. Ranjith Kumar	Dr. S. Moorthi	Dr. R. Muthiah	Prof. Shriram Vasudevan	Mr. K. Gangadharan	Dr. K. Malarvizhi

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		Prepared by: Dr. R. Kavitha Issued By: Dr. K. Malarvizhi, HOD Issue Date: 19 July 2022
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Date: 19 July 2022	Time: 02.00 PM to 04.00 PM	Online MS Teams
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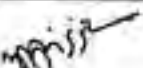
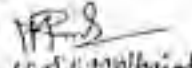
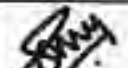

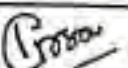
Participants of the meeting

External Panel Members


1. Dr K. Ranjith Kumar (Anna University Nominee), Associate Professor, Department of Electrical and Electronics Engineering, Government College of Technology, Coimbatore.
2. Dr. S. Moorthi (Subject Expert), Associate Professor, Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli.
3. Dr. R. Muthiah (Subject Expert), Associate Dean, School of Computing, SASTRA University, Thanjavur.
4. Prof. Shriram Vasudevan (Subject Expert Embedded system), Technical Manager - Learning and Development, Amrita University, Coimbatore.
5. Mr. K. Gangadharan (Alumni Member), Senior software Architect, Robert Bosch, Coimbatore.

Internal Panel Members


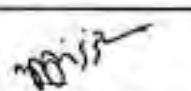
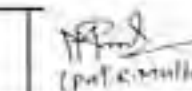

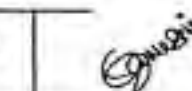
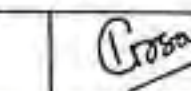
1. Dr. K. Malarvizhi (BoS Chairperson) - Professor and Head, Electrical and Electronics Engineering, KCT
2. Dr. P. Thirumoorthi (UG Coordinator) - Professor, Electrical and Electronics Engineering, KCT
3. Dr. K. Paramasivam (PG Coordinator) - Professor, Electrical and Electronics Engineering, KCT
4. Dr. K. Premalatha - Associate Professor, Electrical and Electronics Engineering, KCT

					
Dr. K. Ranjith Kumar	Dr. S. Moorthi	Dr. R. Muthiah	Prof. Shriram Vasudevan	Mr. K. Gangadharan	Dr. K. Malarvizhi


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	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Department Board of Studies-UG	Ref No. KCT/EEE/BoS/2022 - 23/01
		Prepared by: Dr. R. Kavitha Issued By: Dr. K. Malarvizhi, HOD Issue Date: 19 July 2022
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5. Dr.V.Kandasamy - Associate Professor, Electrical and Electronics Engineering, KCT
6. Dr. C. Udhaya shankar - Associate Professor, Electrical and Electronics Engineering, KCT
7. Dr. R. Kavitha - Associate Professor, Electrical and Electronics Engineering, KCT,
8. Dr. M. Mohanraj - Associate Professor, Electrical and Electronics Engineering, KCT,
9. Dr. B. Karunamoorthy - Associate Professor, Electrical and Electronics Engineering, KCT
10. Dr. N. Prakash - Assistant Professor, Electrical and Electronics Engineering, KCT
11. Mr. T. Shanthi - Assistant Professor, Electrical and Electronics Engineering, KCT
12. Mr. J. Ram prabu - Assistant Professor, Electrical and Electronics Engineering, KCT
13. Dr. N. Vinoth Kumar - Assistant Professor, Electrical and Electronics Engineering, KCT
14. Ms R. Sandhya devi - Assistant Professor, Electrical and Electronics Engineering, KCT
15. Dr Kaliappan S - Assistant Professor, Electrical and Electronics Engineering, KCT
16. Mr Suresh Kumar R - Assistant Professor, Electrical and Electronics Engineering, KCT
17. Ms Maithili P - Assistant Professor, Electrical and Electronics Engineering, KCT
18. Ms Anushree G - Assistant Professor, Electrical and Electronics Engineering, KCT
19. Mr Balaji V R - Assistant Professor, Electrical and Electronics Engineering, KCT
20. Mr.Arunkumar S - Assistant Professor, Electrical and Electronics Engineering, KCT
21. Mr Mohana Sundaram N - Assistant Professor, Electrical and Electronics Engineering, KCT
22. Mr Viswanathan T - Assistant Professor, Electrical and Electronics Engineering, KCT
23. Mr Suryaprakash S - Assistant Professor, Electrical and Electronics Engineering, KCT

		 (Prof. R. Muthaiah)			
Dr. K. Ranjith Kumar	Dr. S. Moorthi	Dr. R. Muthaiah	Prof. Shiram Vasudevan	Mr. K. Gangadharan	Dr. K. Malarvizhi

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Coimbatore - 641 043

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24. Mr.M.Mathankumar - Assistant Professor, Electrical and Electronics Engineering, KCT

25. Ms D Sharmitha - Assistant Professor, Electrical and Electronics Engineering, KCT

26. Priyadarshini R-UG Student, Electrical and Electronics Engineering, KCT


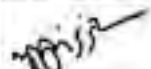
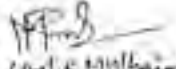
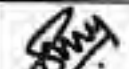
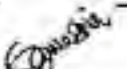
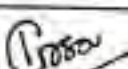
27. Vishal. K- UG Student, Electrical and Electronics Engineering, KCT

28. Sowmiya. A- PG Student, Electrical and Electronics Engineering, KCT


29. Rahul. M- UG Student, Electrical and Electronics Engineering, KCT

Discussions on

1. Action Taken Report on Previous BoS Meeting
2. Introduction of New Professional Electives / Open Electives / One Credit Courses
3. Addition of New Lab Experiments in R2018 Courses
4. Stakeholder's feedback and the changes recommended on (i) Vision-Mission Statements, (ii) PEO/PSO, (iii) Innovative Teaching / Learning / Assessment Methods
5. Targets for CO / PO for Academic Year 2022-23
6. Approval of Panel of Examiners for AY 2022-23
7. Members Recommendations for Implementing NEP 2020
8. Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)
9. Discussion on Domain areas for Faculty Training.
10. Gap Identification
11. Discussion on R2022 curriculum and syllabus

					
Dr. K. Rangith Kumar	Dr. S. Moorthi	Dr. R. Muthaiah	Prof. Shyam Vasudevan	Mr. K. Gangadharan	Dr. K. Malarvizhi

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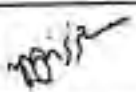

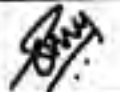
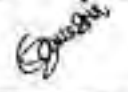

12. PROTOSEM Curriculum and Syllabus

13. Best Practices followed in (External) Member's Institutions


MINUTES OF MEETING & ACTION POINTS

Codes: A: Action C: Comment D: Decision R: Recommendation


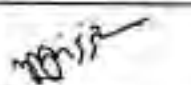


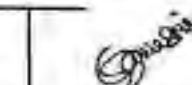
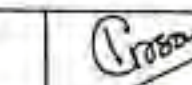
S.N O	CODE	DESCRIPTION & DISCUSSION POINTS
1.		<ul style="list-style-type: none"> Dr. Kavitha R proposed the welcome address, presented the agenda and introduced the panel members. Vision, mission, PEO, PO and PSO of the department have been shared with the panel members. Action Taken Report on Previous BoS Meeting is presented.
2.	A, D	<p>Inclusion of students Industrial training/Internship as mandatory course in R2018 and assessment method for the same is discussed.</p> <ul style="list-style-type: none"> 4-6 weeks of Industrial training during Summer/Winter vacation at the end of semesters 1 to 6. Evaluated during VII semester by assessing the report and conducting seminar presentation. Open Elective course "U18EE00007 Chess - An intelligent game for Effective Management" is introduced. <p>Overview of R2022 curriculum is presented for UG.</p> <ul style="list-style-type: none"> R2022 curriculum Electives are grouped as separate Track - Power and Energy Systems, Embedded system and Computer Technology, Automotive Electronics and Electric Vehicle Technology and General Elective.

					
Dr. K. Parvathi Kumar	Dr. S. Moorthi	Dr. R. Muthiah	Prof. Shram Vasudevan	Mr. K. Gangadharan	Dr. K. Malarvizhi


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		<p>The following new elective courses are proposed in R2022 to the panel members for UG</p> <ul style="list-style-type: none"> • Object Oriented Programming • Battery Management system for EV • E-mobility Business and Policies • 3D Printing & Design <p>Suggestions regarding modification of PSO statement for UG.</p> <p>Industrial elective such as Electronic Circuit Design, Electronic Productization which is to be handled either partially or fully by Industrial Experts for enhancing student placements.</p> <p>Protosem curriculum and syllabus were discussed and recommended</p> <p>The Targets for various COs, POs/PSOs prescribed for the forthcoming semester is approved</p> <p>Curriculum feedback obtained from various stakeholders are discussed and action taken is presented.</p>
3.	R,C	<p>Dr K. Ranjith Kumar, Associate Professor</p> <ul style="list-style-type: none"> • Discussed and clarified the Targets for various COs for the forthcoming semester • Suggested to include an industrial elective in collaboration with BOSCH such as Electronic Circuit Design, Electronic Productization to be handled either partially or fully by Industrial Experts which supports in student placements <p>Dr. S. Moorthi, Associate Professor</p> <ul style="list-style-type: none"> • Discussed regarding the PSO statement for UG and commented that generic PSO based on Electrical and Electronics Engineering is better for UG and it need not be domain specific • Target for Course outcome can be fixed on previous level of course attainment and need not be done based on knowledge level.


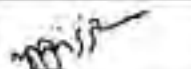
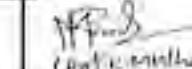

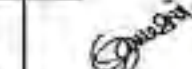

					
Dr. K. Ranjith Kumar	Dr. S. Moorthi	Dr. R. Muthaiah	Prof. Shriram Vasudevan	Mr. K. Gangadharan	Dr. K. Malarvizhi

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	<p>Dr. R. Muthiah, Associate Dean</p> <ul style="list-style-type: none"> Suggested to include partial delivery of courses by industrial Experts <p>Prof. Shriram Vasudevan, Technical Manager – Learning and Development</p> <ul style="list-style-type: none"> Digital image processing course name can be renamed as computer vision Discussed and clarified regarding whether industry 4.0 topics included in the course IOT <p>Mr. K. Gangadharan, Senior software Architect</p> <ul style="list-style-type: none"> Elective Grouping based on domain would increase the placement opportunities in specialized core sector like Electric Vehicles.
4.	The meeting concluded with all the above-mentioned thoughts and the vote of thanks was proposed by Dr. R. Kavitha.

Cross
19/7/22
Dr. K. Malarvizhi
HOD/EEE

					
Dr. K. Ranjith Kumar	Dr. S. Moorthi	Dr. R. Muthiah	Prof. Shriram Vasudevan	Mr. K. Gangadharan	Dr. K. Malarvizhi

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Date:	14 December 2021	Time:	02.30 PM to 04.30 PM	Online	MS Teams
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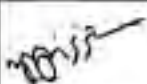
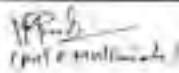
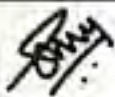
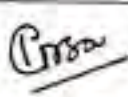
Participants of the meeting

External Panel Members


1. Dr. K. Ranjith Kumar (Anna University Nominee), Associate Professor, Department of Electrical and Electronics Engineering, Government College of Technology, Coimbatore.
2. Dr. S. Moorthi (Subject Expert), Associate Professor, Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli.
3. Dr. R. Muthiah (Subject Expert), Associate Dean, School of Computing, SASTRA University, Thanjavur.
4. Prof. Shriram Vasudevan (Subject Expert Embedded system), Technical Manager – Learning and Development, Amrita University, Coimbatore.
5. Mr. J. Senthil Prakash (Industry Expert), Technical Director, M/s Techno Pac, Coimbatore.
6. Mr. K. Gangadharan (Alumni Member), Senior software Architect, Robert Bosch, Coimbatore.

Internal Panel Members


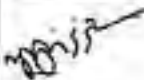
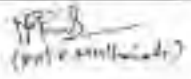
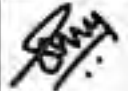
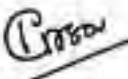
1. Dr. K. Malarvizhi (BoS Chairperson) – Professor and Head, Electrical and Electronics Engineering, KCT
2. Dr. P. Thirumoorthi (UG Coordinator) – Professor, Electrical and Electronics Engineering, KCT
3. Dr. K. Paramasivam (PG Coordinator) – Professor, Electrical and Electronics Engineering, KCT
4. Dr. K. Premalatha – Associate Professor, Electrical and Electronics Engineering, KCT
5. Dr. V. Kandasamy – Associate Professor, Electrical and Electronics Engineering, KCT
6. Dr. C. Udhaya shankar – Associate Professor, Electrical and Electronics Engineering, KCT

				
Dr. K. Ranjith Kumar	Dr. S. Moorthi	Dr. R. Muthiah	Prof. Shriram Vasudevan	Dr. K. Malarvizhi


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7. Dr. R. Kavitha - Associate Professor, Electrical and Electronics Engineering, KCT,
8. Dr. M. Mohanraj - Associate Professor, Electrical and Electronics Engineering, KCT,
9. Dr. B. Karunamoorthy - Associate Professor, Electrical and Electronics Engineering, KCT
10. Dr. N. Prakash - Assistant Professor, Electrical and Electronics Engineering, KCT
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23. Mr Suryaprakash S - Assistant Professor, Electrical and Electronics Engineering, KCT
24. Mr M. Mathankumar - Assistant Professor, Electrical and Electronics Engineering, KCT
25. Ms D Sharmitha - Assistant Professor, Electrical and Electronics Engineering, KCT

				
Dr. K. Ranjith Kumar	Dr. S. Moorthi	Dr. R. Muthaiah	Prof. Shriram Vasudevan	Dr. K. Malarvizhi

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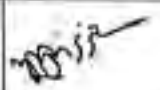
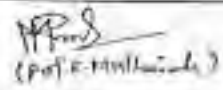
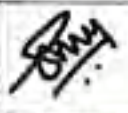
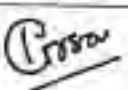
Discussions on

1. Action Taken Report on Previous BoS Meeting
2. Introduction of New Professional Electives / Open Electives / One Credit Courses
3. Addition of New Lab Experiments in R2018 Courses
4. Stakeholder's feedback and the changes recommended on (i) Vision-Mission Statements, (ii) PEO/PSO, (iii) Innovative Teaching / Learning / Assessment Methods
5. Targets for CO / PO for Academic Year 2021-22
6. Approval of Panel of Examiners for AY 2021-22
7. Members Recommendations for Implementing NEP 2020
8. Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)
9. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery
10. Best Practices followed in (External) Member's Institutions
11. Minor specialization
12. Gap Identification

MINUTES OF MEETING & ACTION POINTS

Codes: A: Action C: Comment D: Decision R: Recommendation

S.NO	CODE	DESCRIPTION & DISCUSSION POINTS
1.		<ul style="list-style-type: none"> Dr. Malarvizhi K proposed the welcome address, presented the agenda and introduced the panel members. Vision, mission, PEO, PO and PSO of the department have been shared with the panel members. Action Taken Report on Previous BoS Meeting is presented.
2.	A, D	Curriculum and syllabus R2018 is presented and panel members have provided the suggestions on the categories of courses offered. Overview of R18 curriculum is presented for UG and the following new elective courses are proposed to the panel members for UG and they approved the same.

				
Dr. K. Ranjith Kumar	Dr. S. Moorthi	Dr. R. Muthaiah	Prof. Shriram Vasudevan	Dr. K. Malarvizhi

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KUMARAGURU COLLEGE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING
Department Board of Studies-UG

MINUTES OF MEETING

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Prepared by: Dr. R. Kavitha
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		<ul style="list-style-type: none"> • U18EEE0019-Machine Learning • U18EEE0020-Introduction to R Programming • U18EEE0021-Data Communication and Networks • U18EEE0022-HVDC and FACTS • U18EEE0023- Python for Data Structures and Data Science <p>New experiments are proposed and discussed for PLC Automation Laboratory.</p> <ul style="list-style-type: none"> • Automatic Liquid filling system using PLC • Stepper Motor control using PLC <p>Additional credit and course code mapping for NPTEL is discussed Action taken report based on previous BoS is presented. The Targets for various COs, POs/PSOs prescribed for the forthcoming semester is approved. Curriculum feedback obtained from various stakeholders are discussed and action taken is presented. The Panel of Examiners for AY 2021-22 is presented and approved. The panel members provided Suggestions for new curriculum & syllabi for Regulations 2022 (R2022) The courses for minor specialization "Electric Vehicles" to be included in R2022 is presented. Course code mapping for NPTEL course is finalized.</p>
3.	R,C	<p>Dr. K. Ranjith Kumar, Associate Professor</p> <ul style="list-style-type: none"> • Discussed and clarified the credit mapping (UG-R18)for NPTEL Courses • CO-PO mapping formulation can be streamlined so that almost all the POs are mapped relevantly. • Additional credit and course code mapping for NPTEL is discussed <p>Dr. S. Moorthi, Associate Professor</p> <p>Discussed regarding lab component for Mathematics course and faculty members clarified that the course is offered with practical component based on simulation in MATLAB.</p> <p>Dr. R. Muthiah, Associate Dean</p> <p>Discussed regarding hour allocation for each module in the course R programming. Faculty members clarified that the course is offered with Embedded practical component with three theory modules and 10 practical Experiments.</p> <p>Prof. Shriram Vasudevan, Technical Manager – Learning and Development</p> <ul style="list-style-type: none"> • To include Evolutionary computation in Machine Learning introduction Module 1

Dr. K. Ranjith Kumar	Dr. S. Moorthi	Dr. R. Muthiah	Prof. Shriram Vasudevan	Dr. K. Malarvizhi

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Coimbatore - 641 049



KUMARAGURU COLLEGE OF TECHNOLOGY, COIMBATORE - 641049

(An Autonomous institution Affiliated by Anna University, Chennai)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING


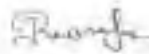
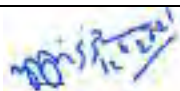
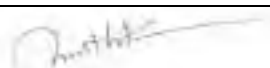





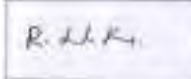

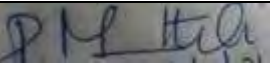


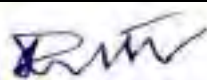
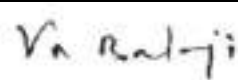
BOS MINUTES OF MEETING

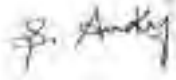
Venue – Online meeting – MS TEAMS

12.06.2021/11.00 am – 12.30 pm

Discussed on the following:

- Action Taken Report on Previous BoS Meeting
- Introduction of New Professional Electives / Open Electives / One Credit Courses
- Addition of New Lab Experiments in R2018 Courses
- Stakeholder's feedback and the changes recommended on (i) Vision-Mission Statements, (ii) PEO/PSO, (iii) Innovative Teaching / Learning / Assessment Methods
- Targets for CO / PO for Academic Year 2021-22
- Approval of Panel of Examiners for AY 2021-22
- Members Recommendations for Implementing NEP 2020
- Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)
- Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery
- Best Practices followed in (External) Member's Institutions

Participants of the meeting			
Name & Organization	Signature	Name & Organization	Signature
Dr K.Ranjith Kumar, GCT, Coimbatore		Mr Ramprabu J KCT	
Dr.S.Moorthi, NIT, Trichy		Dr Vinoth Kumar N KCT	
Dr R.Muthiah, SASTRA, Thanjavur		Ms Sandhya Devi R S KCNVK, T	
Dr Shriram Vasudevan, Amrita, Coimbatore		Dr Kaliappan S KCT	
Mr.K.Gangadharan, Robert Bosch, Coimbatore		Mr Suresh Kumar R KCT	
Dr.K.Malarvizhi, KCT		Ms Maithili P KCT	
Dr.K.Paramasivam, KCT		Ms Anushree G KCT	
Dr.P.Thirumoorthi, KCT		Mr Balaji V R KCT	

Dr.V.Kandasamy, KCT		Mr Arunkumar S KCT	
Dr.K.Premalatha, KCT		Mr Mohana Sundaram N KCT	
Dr.R.Kavitha, KCT		Mr Viswanathan T KCT	
Dr.M.Mohanraj, KCT		Mr Suryaprakash S KCT	
Dr Udhaya Shankar C KCT		Mr Sasi Kumar C KCT	
Dr Karunamoorthy B, KCT		Mr.M.Mathankumar, KCT	
Dr N Prakash, KCT		Mr Prakash Ganesan, III BE EEE	
Ms Shanthi T KCT			

Dr.K.Ranjith Kumar, Anna University Nominee

- Suggested to include Block Chain Technology, Cyber Security, Augmented Reality & Virtual Reality as Professional Elective Course.
- Block Chain Technology & Cybersecurity course can be included as Open Elective Course.
- Suggested to increase the percentage of CO Target
- For laboratory experiments, GCT tied-up with Industry & completed the experiments with the help of KITS. Different readings are taken with the help of industry persons.
- The topic wise Lecture Videos was recorded and uploaded in the You Tube. The respective links of those videos has been shared to DOTE to share with other government institutions.
- To improve the GATE score & promote the higher studies, one or two faculties from each department has allocated to record the lecture videos related to the GATE syllabus and those videos were shared with the students.

Dr.S.Moorthi, Academic Expert

- Suggested to name either Introduction to Machine Learning or Artificial Intelligence for one credit courses
- HDL programming can be added as one credit course instead of VHDL/Verilog
- Tinker CAD can be used for teaching Electronic Circuit Lab
- Power Electronics, Electrical Machines and Power Systems courses can be taught using demonstration videos and MATLAB simulation
- Content Delivery Sessions should be recorded, and elaborated materials can be given to students with Flip class

- Hands on Practical Test can be conducted for courses like Digital Electronics and End semesters will be conducted with multiple choice questions and descriptive type.
- Questions should be randomly distributed among students with equal difficulty level.

Dr.R.Muthaiah, Academic Expert

- Block chain technology and cyber security, RUST programming subjects can be included in Open Electives.
- FPGA Architecture/ FPGA based system design for Embedded systems course can be included in Professional Electives.
- Explained about their institution's teaching learning methods
- VHDL and Verilog one credit courses can be clubbed as HDL programming.
- Human/Global values courses can be added as electives.

Dr Shiram Vasudevan, Academic Expert

- Suggested to include Introduction to RUST Programming as professional elective course.
- Suggested to offer Introduction to ML or Introduction to AI separately.
- Suggested to use Tinker CAD software for sensor and simulation-oriented courses.
- Suggested to create an awareness on "Git" open-source tool usage among students. (Programming course learning).
- All the future recruitment pattern is moved to Hackathon, Ideathon, etc. So, he suggested to conduct more Hackathon for students and offer some benefits/credits to those who have won in it.

Mr.K.Gangadharan, Industry Expert/Alumni

- The courses under professional electives and open electives were reviewed by the experts and found it satisfied.
- Suggested to change the first Mission statement as to empower the students with state-of -art technology /skills instead of state -of-art knowledge.
- Suggested to conduct live microcontroller programming based on switches and relay boards to visualize and access remote target system
- Suggested to make students practice and working with GITHUB tools

Based on the suggestions and recommendations from the experts, the following courses are included in the R2018 curriculum from academic year 2021-2022.

Professional Electives	
U18EEE0015	Drives for Electric Vehicle
U18EEE0016	Sensing Techniques and Sensor Systems
U18EEE0017	Biomedical Instrumentation
U18EEE0018	Industry 4.0
One Credit Courses	
U18EEC0007	HDL programming



BoS Coordinator



HoD/EEE



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

BOARD OF STUDIES MEETING - 2020-2021

CONSOLIDATED MINUTES

Meeting Date: 28.11.2020

Mode: Virtual

Board of Studies Composition (as per UGC Recommendations)

Name of the Board: Electrical and Electronics Engineering

√ UG /PG

S. No	Name	Designation as per UGC	Designation / Affiliation with full contact details	Remark
1.	Dr.K.Malarvizhi.	Chairman	Professor and Head of EEE Department	
2.	Dr. V.Kandasamy, Coordinator BoS Dr.K.Paramasivam, Professor/EEE, KCT. Dr.P. Thirumoorthi, Professor/EEE, KCT Dr.K.Premalatha ASP/EEE, KCT Dr.R.Kavitha, ASP/ KCT Dr.M.Mohanraj, ASP/KCT Dr.M.Nirmala, AP-II/ KCT Dr.B. Karunamoorthy, ASP/EEE, KCT Dr.S.Kaliappan, Mr.J.Ramprabhu AP-II /EEE/KCT Mrs.R.Sandhyadevi, AP-II/EEE, KCT	Module coordinators Members		

	Mr.M.Mathankumar AP/EEE/KCT All Faculty Members			
3.	Dr K.Ranjith Kumar	Anna University Nominee	Associate Professor, Department of EEE, Government College of Technology, Coimbatore. Email: ranjith@gct.ac.in Mobile: 9443015058	Anna University Nominee
4.	Dr.S.Moorthi Academic Expert	Subject Expert	Associate Professor Dept of EEE, National Institute of Technology, Tiruchirappalli Email: srimoorthi@nitt.edu Phone number: 0431-2503267	Member Nominated by Academic Council
5.	Dr R.Muthiah Academic Expert	Subject Expert	Associate Dean, School of Computing, SASTRA University, Thanjavur. Email: sjamuthaiah@core.sastra.edu Mobile: 9894937330	Member Nominated by Academic Council
6.	Prof.Shriram Vasudevan Academic Expert	Subject Expert Embedded system	Technical Manager – Learning And Development / Amrita University / CBE / shriramkv@rocketmail.com	Member Nominated by Academic Council
7.	Mr.J.Senthil Prakash Industry Expert	Expert from Corporate related to Placement	Technical Director M/s Techno Pac, Coimbatore Email: senthil.technopac@gmail.com Mobile:9943436544	Member Nominated by Academic Council
8.	Mr.K.Gangadharan Alumni Member with PG qualification	Alumni Member	Senior software Architect, Robert Bosch gangatharan.k@in.bosch.com	Member Nominated by Academic Council
9.	Mr. Yashwanth kumar	LC member	Yaswanthkumar.17ee@kct.ac.in	Member nominated by HoD

Discussed on the following:

- Proceedings of PAC, DAB – R2017, R2018 Curricula & Syllabi
- Action Taken Report on recommendations of previous BoS meeting
- Amendments
- Program Exit Survey (2016-2020 Batch)

University Nominee - Dr K.Ranjith Kumar

UG

- In the course Electric Vehicle Technology, he suggested to include scenario of EV in India as one topic and plan syllabus in order to get basic knowledge of it. In future more advanced technologies can be included.
- In Electrical safety and Management course, he suggested to include energy auditing as one of the module.
- In Microprocessor and microcontroller course, he suggested to include advanced processors like ARM and remove 8086 contents.
- In Solid state Drives, he suggested to include BLDC drive as one topic.

PG

- In python programming course, he suggested that in the first module, its control statement not control system.
- In Data Science course he pointed out that fourth module is similar to python programming course syllabus. He suggested to include machine learning topics instead of python programming.

Academic Expert - Dr.S.Moorthi

UG

- In the course Electric Vehicle Technology, he suggested to include contents on PWM Controllers/Controllers used in present day Electric Vehicles.
- Electrical safety and Management course can be divided into two different courses namely “Electrical Safety” and “Energy Audit and Management”, as it is difficult to cover all the aspects of Energy Management and Audit in 9 Hours.
- Microprocessor and microcontroller course name can be changed to Microcontroller and its applications.

PG

- In IPR course, Case Studies regarding Filling of IPR Forms can be included in II Unit.
- In data science course, Topics from Python Programming course are repeated in this course. It must be changed.
- In FPGA based ES course, hardware and software topics can be elaborated more.

Academic Expert - Dr.R.Muthiah

- In Microprocessor and microcontroller course, he suggest to include Introduction to Arduino and Raspberry Pi topics.
- In automotive electronics, contents related to OBD can be added
- In IoT course, the IoT layers and low energy Bluetooth contents can be included.

Academic Expert - Prof.Shriram Vasudevan

UG

- In Microprocessor and microcontroller course, he suggest to include Introduction to Arduino and Raspberry Pi topics and course name can be changed to Microcontroller and its applications.
- Suggest to include Li-Fi technology after the Edge Computing in Internet of Thing Course.
- In Internet of Thing Course practical component, suggest to specify the Display and Cloud Interfacing type.

Industry Expert - Mr. J. Senthil Prakash

UG

- In Automotive Electronics suggested to include battery management, power steering control and ISO Standards
- In IOT, suggested to include Machine Monitoring, EEE related components.

Alumni - Mr.K.Gangadharan

- Machine Learning and Deep learning to be included in the Curriculum for enhancing the students' knowledge and skills of Machine learning.


Dr.V.Kandasamy/Convener/BOS/EEE


Dr.K.Malarvizhi/ Chairman/BOS/EEE



KUMARAGURU
UNIVERSITY OF TECHNOLOGY
character is the

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING**

**BOARD OF STUDIES MEETING - U.G.
2018-2019**

CONSOLIDATED MINUTES

DATE: 01.12.2018

VENUE: B-Block Conference Hall

University Nominee - Dr. V. Malathi

- In Power system lab, experiments can be included with ETAP, PSCAD.
- Electric vehicles subject can be included as Elective course.
- Induction and synchronous machines laboratory practical hour can be extended.
- In U17EEI6202 -Power system protection and switch gear subject in unit -3 Review of fault analysis is not required.
- In U17EEI6202 -Power system protection and switch gear subject in Unit -1 Relays can be included.
- In power system analysis and stability subject in Unit -3 sequence networks can be included.
- Review of fault analysis is not required in Power system protection and switch gear.
- In Unit -1 Relays can be included in Power system protection and switch gear.

Academic Expert - Dr.M. Sundaram

- The term "Globalizing education" in Mission statement to be verified and to be given with proper justification
- Suggested PLC automation course to be converted into 3- credit course in R-17
- Suggested to include tutorial for design oriented courses in R-17
- To include computer architecture as a module in the course Embedded Systems in R-17
- Suggested to verify if Theory and Lab can be combined into EMBEDDED category as per AICTE regulation
- Stressed to include Tutorial for Analytical courses and suggested to make it as mandatory for design courses in R-18
- Suggested that Number of hours for U18EEI4201 Induction and Synchronous Machines is not sufficient

- Less emphasize is given to Tutorial and Practical Sessions for Core Electrical based courses in R-18
- Practical hours to be made 30 instead of 20 for Digital Laboratory course in R-17
- Suggested to include Types of curves in Unit – 2, Semester 6, Protection and Switch Gear course
- Suggested to discuss generalized DSP applications in Unit – 5, Semester 4, Digital Signal Processing course
- Suggested to change the course title of U18EEI3203 as Analog and Linear Integrated Circuits
- Suggested to shift U18EET4004 – Networks and Systems to 3rd semester as a follow-up course after Circuit Theory in 2nd semester
- CO – PO mapping to be checked for Electro Magnetic Fields in R -18
- Suggested to reduce the Liquid flow and pressure level transducer contents
- Suggested to mandatorily include Instrumentation and Isolation Transformer in U18EEI3201 – DC Machines & Transformer Course
- DSP-Correction – Unit 5-To specify as DSP applications
- Power Electronics – In DC-DC Converters module Isolated circuit topology to be included
- Power System Protection and Switchgear – In Circuit Breakers module Types of curves – A,B,C,D to be included
- Electric Circuit Theory – Millman's theorem to be included.

Academic Expert – Dr.E. Chandira Sekaran

- PSOs to be framed based on AICTE examination reforms
- In embedded systems, computer architecture to be added as one module
- Electric vehicles and green transportation can be added as Program elective
- Tutorial can be added for electric circuit analysis course and other analytical core courses
- Course title of “Analog electronics” needs to be modified “Analog electronics and Linear IC's”
- Electives can be offered in fourth semester itself
- In DSP, Latest processor can be included
- Number of CO's should be common for all courses
- High frequency transformer and transformer types (like amorphous) has to be included in transformer unit, CT, PT, Isolation transformer has to be included – DC Machines and Transformers
- Include Millman's Theorem in Electric Circuit Theory
- True RMS Measurement can be included in Digital Measurements module – Measurements and Instrumentation
- Power analyzer and harmonic analyzer can be given as Power quality analyzer – Measurements and Instrumentation
- DSO & MSO can be included in Digital Measurements Module – Measurements and Instrumentation

Industry Representative - Mr. J. Senthil Prakash

- LT SPICE tools can be included for simulation in Digital Electronics fifth module
- Application based Experiments to be included in Microprocessor and Microcontroller Lab
- ARM processor Programming mapped with specific ICs to be included in Embedded Systems
- Include connectivity of PLC and drives control topics in Solid State Drives
- DSP processors and embedded system based training to be given

Alumni - Mr. Giridhari

- Basic economy subject to be included along with the Indian constitution in order to align with the UPSC exams.
- Current issues to be included even after fixing the syllabus also.
- Impact of electrical and electronics on the society to be included in the curriculum.
- EQ of the students to be improved through the curriculum enhancement.



Dr. V. Malathi, University Nominee

Dr. K. Malarvizhi/Chairman/BOS

Dr. V. Kandasamy/Convener/BOS

Dr. M. Sundaram/Academic Expert

Dr. E. Chandira Sekaran,/Academic Expert

Mr. J. Senthil Prakash/Industry Representative

Mr. Giridhari/Alumni

Mr. C. S. Senthilkumar/Head-Autonomous

Prasanna
11/12/18
HoD/EEE

PRINCIPAL



FORMAT-V

Feedback From University Nominee (UG-Board of Studies Meeting)

i. Name of the Department : Electrical and Electronics Engineering

ii. Date of BOS Meeting :04/04/2018

iii. Name of the University Nominee : Dr.V.Malathi

iv. Chairman of BOS :Dr.A.Nirmalkumar

Name of the subject: <u>COURSE : UN-EEE</u>		Year of curriculum & Syllabi: 2017, 2018 regulation			
UNIT	Suggestions/Corrections/Inclusion/Deletion				Justification
	Practical	Concept /mechanism	Analytical	others	
Engineering Clinics	Included the full Project-6 hours	---	---	---	Contact hour shown in project
Power system-I Semester-iv		Transmission and distribution	Tutorial hour needed		Name change
EMF, Control system, Analog electronics, Power system-I			Tutorial hour is must		
Social value-V, National value					Include one credit and contact hour with combine exam needed.
Power system-II	Curriculum specific needed			Tutorial hour needed	
Control system		Soft computing is not coming under control system			
Emerging technologies		Design Of Power Converter, Computer Architecture,RTOS			
HVDC, FACT		Coming Under Power Electronics			



FORMAT-VIII

**Feedback from Outside Expert Representative-(UG-Board of
Studies Meeting)**

i. Name of the Department: Electrical and Electronics Engineering

ii. Date of BOS Meeting: 04/04/2018

iii. Name of the representative: Dr. M. Sundaram, Assistant Professor, Dept of EEE, PSG College of Technology, Coimbatore

iv. Chairman of BOS: Dr. A. Nirmal Kumar, Professor, Kumaraguru College of Technology, Coimbatore

Year of curriculum & Syllabi: R17

Semester : 3, 4, 5, 6

* R18 curriculum & syllabi Ist & 2nd sem

Subject	Suggestions/Corrections/Inclusion/Deletion				Justification
	Practical	Concept /mechanism	Analytical	others	
Electromagnetic Fields					Tutorial hours should be included in the analytical subjects like electromagnetic fields, control systems and analog electronics. Because it will get marks while Anna university auditing.
Engineering clinics					In Engineering clinics, more hours should be given instead of one hour to ensure the minimum conducting hours for projects.
Social value, National value and human values					Social value, National value and human values subjects did not provide credits in the curriculum. So credits should be given in order to measure the attainment.



Soft skill					Soft skill courses should not offered with credits. It can be added with value added courses. Students prefer for higher education did not need it. Instead of offering it as professional core paper, it can be offered as professional elective.
Computer architecture					Computer architecture subjects can be offered as professional electives since it help them in finding placements.
Special electrical machines					Special electrical machines module to be included in the DC Machines and transformer subject whereas student could know about special machines like BLDC, PMDC motors.
Analog electronics					In analog electronics subject, Op-Amp module can be given more hours.
Measurement & Instrumentation					In measurement & instrumentation subject, transducers module can be given with more hours.
Environmental sciences for circuit engineering					In Environmental sciences for circuit engineering subject, the E- waste management may be included. Also EMI effects with animals and birds also can be discussed as case studies.
Analog electronics laboratory					In analog electronics laboratory, more application oriented experiments may be included like temperature measurements etc.,
DC machines and					In DC machines and transformer, the vector



transformers					group of transformer may be included in the transformer module In DC machines and transformer, introduction to BLDC motors can be introduced in module I.
DC Machines laboratory					In DC machines laboratory, the load test on DC Compound generator can be done with dynamic braking. Experiments with contactors can be included for improving his/her practical knowledge. In DC machines laboratory, the experiment beyond syllabus has to be removed, since time schedule is not enough to complete it. In DC machines laboratory, load test on DC shunt motor experiment and Swinburne's test experiment may be combined. In DC machines laboratory, scott connections of three phase transformer experiment may be included with vector
AC Machines					In AC Machines subject, the special machines included along with single phase induction motor module can have only introduction about permanent magnet motors to avoid complexity of portions.
Transmission and Distribution					In Transmission and distribution system subject, the Indian



system				<p>electricity power system structure, scenario with installed capacity and transmission losses has to be included.</p> <p>In Transmission and distribution system subject, the IEC grounding system has to be included in distribution and grounding module.</p> <p>In Transmission and distribution system subject, the LT & HT Tariff calculation with TANGEDCO current tariff rates has to be included to indulge them current tariff rates of TANGEDCO.</p>
Digital systems				<p>In Digital systems subject, the D/A converter topics may be included with linear integrated circuits subject, if you are offering linear integrated circuits subject as separate paper to reduce the complexity of subject.</p>
Digital Systems Laboratory				<p>In digital laboratory, Design of combinational circuits using VHDL experiment should be replaced with Design of combinational circuits using simple logics.</p>
AC Machines Laboratory				<p>In AC Machines Laboratory, Regulation of infinite bus bar loading experiment may be included in order to learn grid tie systems concept.</p>



Any other comments

Tutorial hours should be included in the analytical subjects like electromagnetic fields, control systems and analog electronics. Because it will get marks while Anna university auditing.

He suggested to include Linear integrated circuits subject as separate paper in the curriculum instead of merging it with analog electronics.

The change in curriculum from previous regulation should have proper justification to be addressed. Because accreditation auditor will not accept the change in curriculum for minimal change requirement in curriculum.

In Core electives, design of electrical machines can be introduced with automation components.

In core electives, automotive electronics can be added with applied electronics domain from

In all laboratories, the beyond syllabus experiments should be removed.

Signature of the Chairman

Signature of Expert Member



Feedback from Outside Expert Representative-(UG-Board of Studies Meeting)

i. Name of the Department: Electrical and Electronics Engineering

ii. Date of BOS Meeting: 04/04/2018

iii. Name of the representative: Dr.M.Sundaram, Assistant Professor, Dept of EEE, PSG College of Technology, Coimbatore

iv. Chairman of BOS: Dr. A.Nirmal kumar, Professor, Kumaraguru College of Technology, Coimbatore

Year of curriculum & Syllabi: R18


Semester: 1,2

SUBJECT	Suggestions/Corrections/Inclusion/Deletion				Justification
	Practical	Concept /mechanism	Analytical	others	
Industrial Electronics					Open elective courses such as industrial electronics and solid state drives can be combined.
Electric circuit's laboratory					The matrix formation programs may be included to indulge the creative skills for doing electrical projects in C/Python platform.

Any other comments

Nil

Signature of the Chairman


Signature of Expert Member



FORMAT-VIII

Feedback from Outside Expert Representative-Special Courses**(UG-Board of Studies Meeting)**

i. Name of the Department: Electrical and Electronics Engineering

ii. Date of BOS Meeting: 04/04/2018

iii. Name of the representative: Dr. K. Palanisamy, Associate Professor/ EEE, VIT, Vellore.

iv. Chairman of BOS: Dr. A. Nirmal Kumar, Professor & Head i/c, EEE Dept./ KCT.

Year of curriculum & Syllabi: R2018

Subject, Semester & Units	Suggestions/Corrections/Inclusion/Deletion				Justification
	Practical	Concept /mechanism	Analytical	others	
Electromagnetic Fields - III All units			Tutorial should be included.		For accreditation purpose.
AC Machines - IV All units			Tutorial is must		More problems have to be solved
Energy Storage Technology - Elective		Four types of energy storage: Electrical, Mechanical, Thermal and Chemical. - Inclusion.			Knowledge upgradation
Analog Electronics - III Sem 4 th and 5 th units.		More topics have to be included.			Knowledge upgradation.

Signature



FORMAT-VII

Feedback from Alumni/Student Representative (UG-Board of Studies Meeting)

- i. Name of the Department : Electrical and Electronics Engineering
- ii. Date of BOS Meeting : 04/04/2018
- iii. Name of the Alumni/Student representative : R. Venkatesh, Design Engineer, Robert Bosch, CBE
- iv. Chairman of BOS : Dr. A. Nirmal Kumar, Professor, Dept. of EEE, KCT, Coimbatore.

Year of curriculum & Syllabi: R 2018					
Name of the subject/ Sem/Unit	Suggestions/Corrections/Inclusion/Deletion				Justification
	Practical	Concept /mechanism	Analytical	others	
S1-S8: Engineering Clinics/					They recommended incorporate the within the subject component so that important subjects cannot be neglected.
S3, S5/EMT, Control System, Analog. Power system -I (Tutorial paper)			Recommended to add tutorial component		Such as Control system, EMT should get 4 credits. (includes tutorial component)
S3 & S4 Social and National					Recommends to take subject for 2 sem and assessment can



Values					be made in one semester and make it as 1 credit,
Professional Electives					Recommends to incorporate RTOS, Computer architecture, IOT
S4/ Electrical Machine-II					Recommends to incorporate real time industrial practices Change the order of units

Signature



FORMAT-VIII

Feedback from Outside Expert Representative-Special Courses(UG-Board of Studies Meeting)

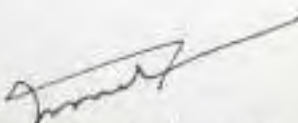
FORMAT-VIII

- i. Name of the Department: Electrical and Electronics Engineering
- ii. Date of BOS Meeting: 04.04.2018
- iii. Name of the representative: D. Jayaprakash R&D / Manager/TEXMO industries/CBE.
- iv. Chairman of BOS: Dr. A. Nirmallanar, Professor, Kumaraguru college of Technology, Coimbatore
- Year of curriculum & Syllabi: RI7
- Semester: 3, 4, 5, 6

UNIT	Suggestion/Corrections/Inclusion/Deletion				Justification
	Practical	Concept / mechanism	Analytical	others	
—	—	—	—	—	—

Any other comments

1. Battery technology elective course can be added
2. BLDC motor can be added in DC machines course


Signature of chairman


signature of Expert



Department of Electrical and Electronics Engineering

B.E – EEE

Date of BOS Meeting: 04.04.2018

Time :10.00 to 12.30

AGENDA 2

SUBJECT: Approval of One credit courses conducted in the department from Jan 2017 to March 2018.

COURSE CODE	COURSE TITLE	INDUSTRY
U14EEIN05	AUTOMOTIVE EMBEDDED SYSTEMS	TVS MOTORS, HOSUR
U14EEIN06	EMBEDDED SYSTEM ARM CORTEX M3 MCU	UTL TECHNOLOGIES, BANGALORE
U14EEIN07	CASE STUDY USING ARM CORTEX M3 MCU – AUTOMATION OF LINEAR WEIGHING MACHINE	TECHNOPAC AUTOMATION & CONTROLS, COIMBATORE
U14EEIN08	SUBSTATION DESIGN	BALFOUR BEATY INFRASTRUCTURE, BANGALORE
U15EEIN01	SUBSTATION DESIGN	BALFOUR BEATY INFRASTRUCTURE, BANGALORE
U15EEIN02	INDUSTRIAL EMBEDDED SYSTEMS AND COMMUNICATION PROTOCOLS	TECHNOPAC AUTOMATION & CONTROLS, COIMBATORE
P15EEIN	DESIGN CONSIDERATION FOR VARIABLE SPEED DRIVES	VERSA DRIVES, COIMBATORE

AGENDA 3

SUBJECT: Approval of Employability Enhancement Course

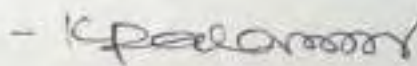
UNIT 1	Resume Preparation : Group Discussion & Interview	Importance of resume, essentials of a good resume, do's and don'ts of resume, sample resume, importance of group discussion, practice GD, interviews, types of interviews, how to prepare for interview, interview etiquettes, Mock GD & Interview
UNIT 2	Quantitative Ability 1	Number theory, Average, Mixture & Allegation, Ages, Ratio, Percentage, Partnership, Profit & Loss, SI, CI, Clocks, Calendar
UNIT 3	Quantitative Ability 2	Speed Distance Time, Boats & Stream, Train, Time and Work, Pipes and Cistern, Probability, Permutation & Combinations, Linear and Quadratic Equations
UNIT 4	Logical Reasoning	Based Problems on Cubes and Dice, Blood relations, Analytical reasoning, Syllogism, Series completion
UNIT 5	Verbal Reasoning	Basic Grammar / Types of Sentence/ Selecting Words / Spotting Errors/ Sentence Formation / Sentence Improvement/ Sentence Completion / Sentence Correction / Idioms & Phrases

APPROVED BY,

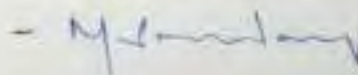
Dr. V. Malathi (Univ. Nominee) -

 4/4/18

Dr. K. Palanisamy (Expert) -



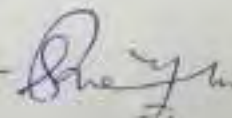
Dr. M. Sundaram (Expert) -



Mr. D. Jaya Prakash (Industry) -

Rep.

Mr. R. Venkatesh (Alumni Rep.) -







KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and
Accreditation Council)

IA^{GRADE}++

Electronics and Instrumentation Engineering



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and Accreditation Council)

IA^{GRADE}++

Electrical and Instrumentation Engineering

Sl. No.	Date of Board of Studies meeting
1.	15.02.2023
2.	28.06.2022
3.	29.12.2021
4.	10.06.2021
5.	23.11.2020
6.	29.11.2018
7.	03.04.2018



**KUMARAGURU COLLEGE OF TECHNOLOGY
COIMBATORE – 641 049**

18th BOARD OF STUDIES MEETING

Department: Electronics & Instrumentation Engineering

Program: BE (Electronics & Instrumentation Engineering)

Online Platform: MS Teams

Date: 15.02.2023

Time: 8.30 AM – 10.30 AM

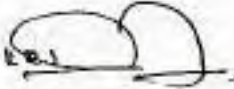
1. BOS – Chairperson, Dr. K. K. Anil Kumar welcomed the BOS External experts and introduced the internal BOS members.
2. Professor V. Athappan presented the following to BOS members
 - a. Vision, Mission of the Department
 - b. PEOs, POs, and PSOs of the Department.
3. Mrs. V. Saravanabalaji presented the following to BOS members
 - a. Previous BOS meeting and Action taken report
 - b. Presented 2018-2022 Batch PO and PSO attainment
 - c. CO Attainment and PO Attainment for the year 2022-2023 and its action taken report
 - d. Target CO for the courses for the year 2022-2023
 - e. Curriculum Gap Analysis for R2018 and action taken Report.
 - f. Proposed R2023 curriculum – Electronics and Instrumentation
 - g. Proposed R2023 Minor Specialization

As per ACC meeting - Professional Core Course replaced (**Introduction Industry Process Measurement and Control**) Instead of Engineering Clinic

V

Name of the Member	Suggestions	Action Taken
Dr. G. Uma	Department Mission Statement 3. To change the word, Expand to Inspire. Target for CO – Last three batches average. To be taken for assessment	Incorporated

	Approved the Professional Core Course- Introduction Industry process measurement and Control and suggested to change the title.	
Dr. D. Angeline Vijula	To follow the Procedure for the target CO attainment of each course.	Incorporated
Dr. K. Dhanalakshmi	Approved R 2023 Curriculum	Incorporated
K. Natarajan	Value added program To Include MQT Cloud	Incorporated



Dr. K.K. Anil Kumar

Dr. K.K. ANIL KUMAR
Professor & Head
Department of EIE
Kumaraguru College of Technology
Coimbatore - 641 049.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING
ATTAINMENT OF PROGRAMME OUTCOMES & PROGRAMME SPECIFIC OUTCOMES

Programme Attainment Target - 75%														
Programme Outcomes / Programme Specific Outcomes														
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2
Programme Attainment	76.23	74.85	78.40	75.95	77.66	73.03	75.95	76.35	72.50	71.02	78.32	76.64	72.40	78.58
Programme Attainment Target	Attained	Not attained	Attained	Attained	Not achieved	Not attained	Average	Average	Not attained	Not attained	Average	Average	Attained	Attained

REMARKS / ACTIONS TAKEN

PO1: Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

344 Target achieved. Students improvement in engineering knowledge is the reason for achieving this target level. Effective practical training session of the respective courses helped to achieve this PO.

Action 1: Innovative andragogical learning methods will be incorporated to improve the analytical skills for solving complex problems and individual attention to each of the students will be given to aid in solving the problems.

Action 2: Students encouraged to do small projects and motivate participants to Hackathons to upgrade their knowledge with recent trends.

Action 3: Students will be motivated to do NPTEL certification courses also to apply summer internship programmes.

PQ2: Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

Target not achieved. Complex problem solving skills and the student's capacity for in-depth problem analysis must be imparted through innovative learning methods.

Action 1: Students to be updated with recent trends using various innovative andragogy.

Action 2: Students motivate to make a practice on read more research papers.

Action 3: More number of tutorial sessions to be given to solve design problems.

Action 4: Faculty members will be asked to take up online courses in advance before teaching the course for improved teaching experience.

<p>PO3: Design/ Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.</p> <p>Target achieved. The scope for designing and developing components, systems and the similar activity will consume lot of time and availability of time for teachers and students to practice design and development in all possible courses is one of the constraints.</p> <p>Action 1: Academic regulations will be developed with scope for students to do academic projects in all semesters of first, second and third year apart from the Capstone Project.</p> <p>Action 2: Students motivate to practice simulation tools like MATLAB, LabVIEW and to simulate the recent problems.</p> <p>Action 3: More number of students will be motivated to engage in projects and design contests using latest technology for design and development of solutions for complex engineering problems.</p>	
<p>PO4: Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.</p> <p>Target achieved. Students are able to comprehend and use research based knowledge to design, analyze and interpret the data. The hands-on mode through effective laboratory experimental methods have helped the students to enhance their analytical knowledge.</p> <p>Action 1: More number of students will be encouraged to practice in analysis aspects through tutorials in the identified courses.</p> <p>Action 2: Students are encouraged to participate the National and International conference.</p> <p>Action 3: All the students will be motivated to do mini-project in their area of interest to develop research capabilities.</p> <p>Action 4: Students encourage to publish their project work in reputed journals.</p> <p>Action 5: More number of students will be motivated to engage in projects and design contests using latest technology for design and development of solutions for complex engineering problems.</p>	
<p>PO5: Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.</p> <p>Target not achieved. Modern tool usage in syllabus has to be concentrated to achieve this PO</p>	
<p>Action 1: The academic regulations will be made to incorporate use of modern tools in a more intensified manner in multiple semesters of the program.</p> <p>Action 2: Embedded courses are to be handled with the modern tools.</p> <p>Action 3: Student assignments to be more focus with to make use of advanced tools.</p>	
<p>PO6: The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.</p>	

<p>Target not achieved. The number of courses directly contributing to PO6 is limited. The components in certain courses of the curriculum that contribute to PO6 are to be specifically identified. However students are insisted to give utmost importance for safety aspects.</p> <p>Action 1: Human excellence curriculum with components that give an insight into one's inner self with its impact on society will be intensified.</p> <p>Action 2: Students' will be provided with the needful space around a semester to take up internships in industry to understand the aspects of an engineer's work and its impact in multiple directions.</p> <p>Action 3: Awareness programs on health issues, blood donation camps, tree plantation events and lectures on green energy utilization are to be organized to create an impact.</p> <p>Action 4: Electives like Bio medical instrumentation which enables the students to gain contextual knowledge to assess these issues will be continuously offered.</p>
<p>PO7: Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.</p> <p>Target achieved. Majority of the students are aware of the problems on societal issues. The number of courses contributing towards environmental aspects is limited and the understanding of faculty members in linking topics in their respective courses that contribute towards environmental aspects could still be improved.</p> <p>Action 1: Weekends will be utilized for visiting the society and industry to develop innovative ideas in sustainable development.</p> <p>Action 2: Awareness on environment and sustainability will be increased by various activities.</p> <p>Action 3: To imbibe awareness on environmental issues and sustainability, few theoretical and practical training will be proposed.</p> <p>Action 4: Students will be given insights on adopting work ethics that contribute towards protecting the environment leading to sustainability.</p>
<p>PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.</p> <p>Target achieved. Aspects that will provide a learning platform for students to imbibe ethical practices could still be improved. Students have the basic understanding of human rights, social and civic responsibilities. Ethical values are imparted through live examples.</p> <p>Action 1: Human excellence courses will be offered on workshop mode with focus on ethics.</p> <p>Action 2: Aspects in academic regulations will be incorporated and the students have to follow professional ethical code of conducts by the way academic systems.</p> <p>Action 3: Sessions on ethical awareness and academic integrity will be regularly organized to inculcate ethical responsibilities among the students.</p>
<p>PO9: Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.</p> <p>Target not achieved. Students will be made to participate in group activities to build team spirit in them.</p> <p>Action 1: Courses with student involvement from various disciplines, minor projects, and Capstone Project will end up participating in international & national level design competitions.</p> <p>Action 2: Hackathons will be introduced to the students to perform on multidisciplinary projects.</p>

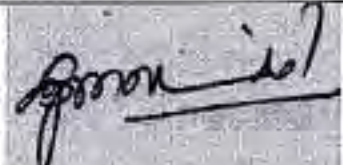

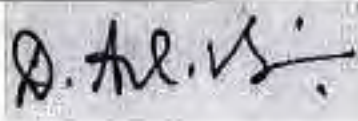
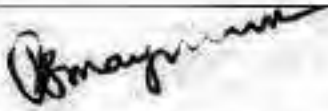
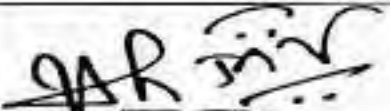
<p>Action 3: Participation in Co-curricular and Extracurricular activities will be encouraged.</p> <p>Action 4: Group activities will be organized in classes for effective team building.</p>	
<p>PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.</p> <p>Target not achieved. Effective communication methods are inevitable for the students of Engineering and Technology. Emphasis on domain specific aspects of communication and related training are given to students.</p>	
<p>Action 1: Seminars are to be arranged relevant with industry standards and documentation process by the Industry person.</p> <p>Action 2: Improved Rubrics to assess communication aspects will be included in the evaluation process.</p> <p>Action 3: Students will be provided with seminars / lectures in classes to comprehend the essence of communication and its importance.</p>	
<p>PO11: Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.</p> <p>Target achieved. Engineers can be good managers and this is elaborated in Principles of Management which contributes fully to the attainment of this PO.</p>	
<p>Action 1: Options will be made available for learners to opt for undergoing a semester involving working on projects starting from the concept of evolution to prototype development.</p> <p>Action 2: Minor projects and the Capstone Project will be evaluated for their contribution in enhancing project management and financial governance expertise.</p> <p>Action 3: The aspects of generating resources and executing projects will be given due importance.</p>	
<p>PO12: Life-long Learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.</p> <p>Target achieved. It is inevitable to inculcate the habit of life-long learning amongst students.</p>	
<p>Action 1: The students' will be motivated to take up online courses.</p> <p>Action 2: The students will be encouraged to prepare papers for technical journals and take part in knowledge enhancing domain specific seminars, workshops and conferences.</p> <p>Action 3: Create scope in the academic regulations that encourages students to learn beyond curriculum.</p> <p>Action 4: Life-long learning is attained when an interest in the specialization is kindled in student's mind through activities like value added courses and hands on training.</p>	
<p>PSO1: Develop, analyse and calibrate instruments and electronic systems for various real world applications adhering to ISA ethical codes.</p> <p>Target achieved. Developing electronic systems and calibrating instruments made this PSO to be achievable</p>	



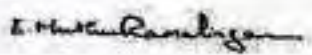
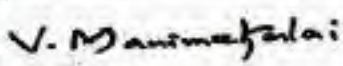


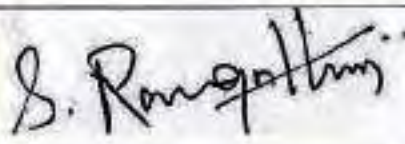

<p>Action 1: The students will be encouraged to undergo internship/training in Calibration centre</p> <p>Action 2: The students will be motivated to projects in electronic systems and Automatic calibration process using software.</p>	
PSO2: Integrate programmable logic controllers (PLC), distributed control systems (DCS) for manufacturing and processing systems and also gain proficiency in relevant software tools.	
Target achieved.	
Action 1: The students undergone training on SIEMENS PLC and Yokogawa DCS.	

The BOS members have approved

1. Existing syllabus of R2018
2. Professional Core course for Engineering Clinic V
3. PO & PSO attainment of 2018-2022 Batch
4. Proposed R2023 Curriculum
5. Proposed R2023 Curriculum for Minor Specialization

Attendance

Sl. No	Name	Designation	Designation as per UGC	Signature
1	Dr. K. K. Anil Kumar	Professor & Head EIE/KCT	Chairman	K.K. 10/2
2	Dr.M.Ezhilarasi	Associate Dean, KCT	Internal member	Absent
3	Dr.K.Dhanalakshmi	Professor ICE/ NIT Trichy	Anna University Nominee	
4	Dr.G.Uma	Professor & Head ICE/ NIT Trichy	Expert nominated by Academic council	
5	Dr.D. Angeline Vijula	Professor ICE/PSG College of Technology	Expert nominated by Academic council	
6	Mr.V.Shanmugaraj	HOD, Sensor and Vision Technology, CMTI, Bangalore.	Expert from Industry	Absent
7	K.Natarajan	Harman Connected services Hyderabad, Associate Product services	Meritorious Alumni	Natarajan V
8	Dr.K.Paramasivam.	Professor/ECE Department/KCT	Faculty member from allied department	Absent
9	Prof.P.S.Mayurappriyan	Professor, EIE/KCT	Internal member	
10	Mr.V.Umesh	Associate Professor, EIE/KCT	Internal member	

11	Dr. V. Dinesh Kumar	Associate Professor, EIE/KCT	Internal member	
12	Ms. I. Jeya Daisy	Assistant Professor II, EIE/KCT	Internal member	
13	Mr. V. Athappan	Assistant Professor II, EIE/KCT	Internal member	
14	Mr. E. Muthu Ramalingam	Assistant Professor, EIE/KCT	Internal member	
15	Ms. V. Manimekalai	Assistant Professor, EIE/KCT	Internal member	
16	Mr. M. Saravana Balaji	Assistant Professor, EIE/KCT	Internal member	
17	Mr. S. Saravana Kumar	Assistant Professor, EIE/KCT	Internal member	
18	Mr. S. Ranganathan	Assistant Professor, EIE/KCT	Internal member	
20	PS Pavin	Secretary III Year Student, EIE/KCT	Internal member	
21	K N Thirumalai vasan	Joint Secretary II Year Student, EIE/KCT	Internal member	Absent


18.02.2023
HOD-E&I

Dr. K. K. ANIL KUMAR
Professor & Head
Department of EIE
Kumaraguru College of Technology
Coimbatore - 641 049.



**KUMARAGURU COLLEGE OF TECHNOLOGY
COIMBATORE – 641 049**

17th BOARD OF STUDIES MEETING

Department: Electronics & Instrumentation Engineering

Program: BE (Electronics & Instrumentation Engineering)

Online Platform: MS Teams

Date: 28.06.2022

Time: 11.30 AM – 12.30 AM

1. BOS – Chairperson, Dr. K. K. Anil Kumar welcomed the BOS External experts and introduced the internal BOS members.
2. Professor V. Manimekalai presented the following to BOS members
 - a. Vision, Mission of the Department
 - b. PEOs, POs, and PSOs of the Department.
3. Professor V. Manimekalai presented the following to BOS members
 - a. Previous BOS meeting and Action taken report
 - b. Target for the courses for the year 2021-2022 (Even Sem)
 - c. Curriculum Gap Analysis for R2018 and action taken Report.
 - d. Proposed R2022 curriculum – Electronics and Instrumentation
 - e. Proposed Elective courses offered by BOSCH


Name of the Member	Suggestions	Action Taken
Dr.D. Angeline Vijula	To include tutorial classes for analytical and mathematics courses.	Shall be incorporated in R2022 syllabus
Mr. V. Shanmugaraj	To include the topic Edge computing in Industry 4.0	Incorporated
Dr. G. Uma	Appreciated that the proposed R2022 curriculum is framed well. Suggested to look into the credit distribution for Basic Sciences, Engineering sciences, Professional core and Professional elective.	Incorporated
Dr.K.Dhanalakshmi	For minor specialization courses try to offer one course per semester.	Shall be incorporated after discussing with Head Autonomous

K.Natarajan	To give more hands on trainings for students in current trends technology.	Shall be incorporated.
Dr.D. Angeline Vijula	Suggested not to include drives concept in the course Electrical machines and Drives.	Based on feasibility drives concept shall be included in any of the other courses.
Mr. V. Shanmugaraj	To include the topic Open hardware (RISC architecture) in the course Embedded microcontroller	Shall be incorporated in R2022 syllabus
Dr.D. Angeline Vijula	To rename Analog and digital laboratory as Analog and digital electronics laboratory	Shall be incorporated in R2022
Dr.D. Angeline Vijula	To offer the course machines and drives course in the fourth semester and Mechanics and thermodynamics in third semester	Shall be incorporated in R2022
Dr.K.Dhanalakshmi	To give the introduction of power electronics in any of the electronic stream courses.	Shall be incorporated in R2022
Nirmal Raj. N LC member - Student Representative	To include Biology for Instrumentation in the curriculum	An elective course on Bio Sensors and Medical instrumentation is already being offered in R2018.



The BOS members have approved

1. Existing syllabus of R2018
2. Newly added Elective courses offered by BOSCH.
3. Proposed R2022 Curriculum

Attendance

Sl. No	Name	Designation	Designation as per UGC	Signature
1	Dr. K. K. Anil Kumar	Professor & Head EIE/KCT	Chairman	K.K. 
2	Dr.M.Ezhilarasi	Associate Dean, KCT	Internal member	Absent

3	Dr.K.Dhanalakshmi	Professor ICE/ NIT Trichy	Anna University Nominee	
4	Dr.G.Uma	Professor & Head ICE/ NIT Trichy	Expert nominated by Academic council	
5	Dr.D. Angeline Vijula	Professor ICE/PSG College of Technology	Expert nominated by Academic council	
	Mr.V.Shanmugaraj	HOD, Sensor and Vision Technology,CMTI,Bangalore.	Expert from Industry	
7	K.Natarajan	Harman Connected services Hyderabad, Associate Product services	Meritorious Alumni	
8	Dr.K.Paramasivam.	Professor/ECE Department/KCT	Faculty member from allied department	ABSENT
9	Prof.P.S.Mayurappriyan	Professor, EIE/KCT	Internal member	
10	Mr.V.Umesh	Associate Professor, EIE/KCT	Internal member	
11	Dr. V. Dinesh Kumar	Associate Professor, EIE/KCT	Internal member	
12	Ms. I. Jeya Daisy	Assistant Professor II, EIE/KCT	Internal member	
13	Mr.V.Athappan	Assistant Professor II, EIE/KCT	Internal member	

14	Mr. E. Muthu Ramalingam	Assistant Professor, EIE/KCT	Internal member	<i>E. Muthu Ramalingam</i>
15	Ms.V.Manimekalai	Assistant Professor, EIE/KCT	Internal member	<i>V. Manimekalai</i>
16	Mr.M. Saravana Balaji	Assistant Professor, EIE/KCT	Internal member	
17	Mr. S. Saravana Kumar	Assistant Professor, EIE/KCT	Internal member	
18	Mr. S.Ranganathan	Assistant Professor, EIE/KCT	Internal member	<i>S. Ranganathan</i>
20	N. Nirmal Raj (20BEI030)	Student, EIE/KCT	Internal member	Present
21	G.S.Sreeja (20BEI048)	Student, EIE/KCT	Internal member	Present

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HOD-E&I

ELECTRONICS & INSTRUMENTATION ENGINEERING - BOS MEMBERS

Sl. No.	Name	Description	Department / Institution	Internal / External Member
1	Dr. K. K. Anil Kumar	Professor & Head	EIE/KCT	Chairman
2	Dr. M. Ezhilarasu	Associate Dean & Head	SFS	Internal Member
3	Dr. K. Paramasivam	Professor	ECE	Expert from Affil. Department
4	Dr. K. Dhanaakshmi	Professor	ICE/ NIT Trichy	Anna University Nominee
5	Dr. G. Uma	Professor & Head	ICE/ NIT Trichy	Expert nominated by Academic council
6	Dr. D. Angelina Vijula	Professor	ICE/PSG College of Technology	Expert nominated by Academic council

Agenda

- Welcome and Introduction by Chairperson, BoS
- Presentation of previous BoS MoM and Action Taken Report
- Vision, Mission, PEOs, POs, and PSOs of the Department / Program
- CO Attainment the year 2021-2022 (Odd) and Target for the year 2021-2022(Even)
- Proposed Curriculum for R2022
- Members Recommendations
- Other Discussions





**KUMARAGURU COLLEGE OF TECHNOLOGY
COIMBATORE – 641 049**

16th BOARD OF STUDIES MEETING

Department: Electronics & Instrumentation Engineering

Program: BE (Electronics & Instrumentation Engineering)

Online Platform: MS Teams

Date: 29.12.2021

Time: 8.30 AM – 10.30 AM

1. BOS – Chairperson, Dr. K. K. Anil Kumar welcomed the BOS External experts and introduced the internal BOS members.
2. Professor V. Athappan presented the following to BOS members
 - a. Vision, Mission of the Department
 - b. PEOs, POs, and PSOs of the Department.
3. Mrs. V. Manimekalai presented the following to BOS members
 - a. Previous BOS meeting and Action taken report
 - b. CO Attainment and PO Attainment for the year 2020-2021 and its action taken report
 - c. Target for the courses for the year 2021-2022
 - d. Curriculum Gap Analysis for R2018 and action taken Report.
 - e. Proposed R2022 curriculum – Electronics and Instrumentation
 - f. Proposed R2022 Curriculum for PG in Automation (BOSCH)

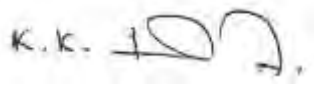
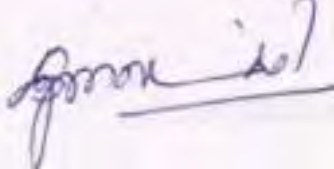

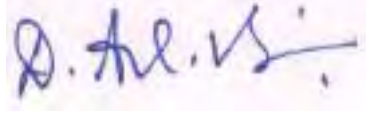
Name of the Member	Suggestions	Action Taken
Dr. G. Uma	Appreciated that the proposed R2022 curriculum is framed well. PG Automation curriculum is framed systematically suitable for Industry needs	Incorporated
Dr.D. Angeline Vijula	Target fixed for courses for the year 2021-2022	Based on guidelines given in NBA targets will be fixed for each course.
Mr. V. Shanmugaraj	Appreciated that the proposed R2022 PG Automation curriculum is framed systematically suitable for Industry needs	Incorporated
Dr.K.Paramasivam	To include course exit survey for Calculating CO -PO attainment	Will be incorporated for the batch 2018-2022



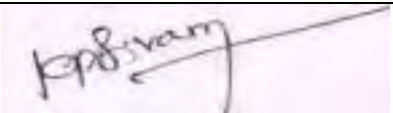
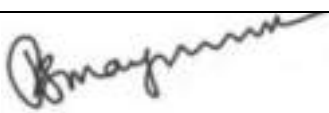


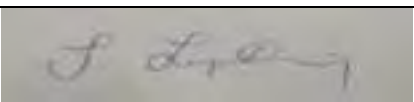
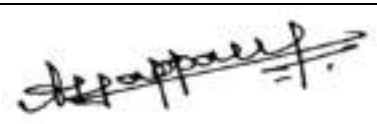
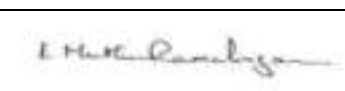

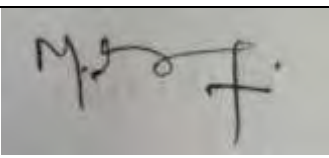
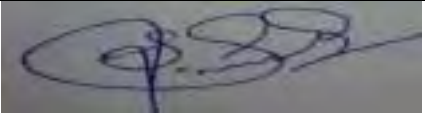
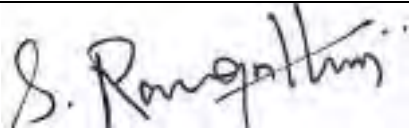
Dr.K.Dhanalakshmi	For proposed PG curriculum for Automation , to include MEMS or Flexible and Wearable electronics in elective	Shall be incorporated after discussing with BOSCH
K.Natarajan	The curriculum for R2022 EIE and R2022 PG in Automation holds good for Industry needs.	Incorporated
Dr.D. Angeline Vijula	Asked how assessment for Embedded courses is done	Explanation is given that the student must redo the theory or practical in which the student fails. The student need not repeat both theory and Practical exam.

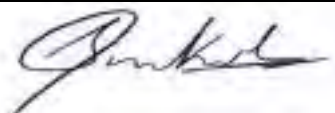
The BOS members have approved

1. Existing syllabus of R2018
2. Proposed R2022 Curriculum
3. Proposed R2022 Curriculum for PG in Automation

Attendance

Sl. No	Name	Designation	Designation as per UGC	Signature
1	Dr. K. K. Anil Kumar	Professor &Head EIE/KCT	Chairman	
2	Dr.M.Ezhilarasi	Associate Dean, KCT	Internal member	Absent
3	Dr.K.Dhanalakshmi	Professor ICE/ NIT Trichy	Anna University Nominee	
4	Dr.G.Uma	Professor &Head ICE/ NIT Trichy	Expert nominated by Academic council	
5	Dr.D. Angeline Vijula	Professor ICE/PSG College of Technology	Expert nominated by Academic council	

6	Mr.V.Shanmugaraj	HOD, Sensor and Vision Technology,CMTI,Bangalore.	Expert from Industry	
7	K.Natarajan	Harman Connected services Hyderabad, Associate Product services	Meritorious Alumni	
8	Dr.K.Paramasivam.	Professor/ECE Department/KCT	Faculty member from allied department	
9	Prof.P.S.Mayurappriyan	Professor, EIE/KCT	Internal member	
10	Mr.V.Umesh	Associate Professor, EIE/KCT	Internal member	
11	Dr. V. Dinesh Kumar	Associate Professor, EIE/KCT	Internal member	
12	Ms. I. Jeya Daisy	Assistant Professor II, EIE/KCT	Internal member	
13	Mr.V.Athappan	Assistant Professor II, EIE/KCT	Internal member	
14	Mr. E. Muthu Ramalingam	Assistant Professor, EIE/KCT	Internal member	
15	Ms.V.Manimekalai	Assistant Professor, EIE/KCT	Internal member	
16	Mr.M. Saravana Balaji	Assistant Professor, EIE/KCT	Internal member	
17	Mr. S. Saravana Kumar	Assistant Professor, EIE/KCT	Internal member	
18	Mr. S.Ranganathan	Assistant Professor, EIE/KCT	Internal member	

20	Mr. S.R.Sivanikesh	Student, EIE/KCT	Internal member	
21	Mr.Sabarish	Student, EIE/KCT	Internal member	Present
22	Ms.Sreenidhi	Student, EIE/KCT	Internal member	Present

K.K. 102.
Dr. K. K. Anil Kumar

HOD-E&I



**KUMARAGURU COLLEGE OF TECHNOLOGY
COIMBATORE – 641 049**

BOARD OF STUDIES MEETING

Department: Electronics & Instrumentation Engineering

Program: BE (Electronics & Instrumentation Engineering)

Online Platform: MS Teams

Date: 10.06.2021

Time: 10.30 AM – 12.30 PM

1. BOS – Chairperson, Dr. K. K. Anilkumar welcomed the BOS External experts and introduced the internal BOS members.
2. Professor Dr.P.S.Mayurappriyan presented the following to BOS members
 - a. Vision, Mission, PEOs, POs, and PSOs of the Department.
 - b. CO Attainment and PO Attainment for the year 2019-2020 and target for the year 2021-2022
 - c. Teaching and learning methodologies in online mode.
3. Mrs.V.Manimekalai presented the following to BOS members
 - a. Department Highlights for the year 2020-2021
 - b. Department Activities (Workshop/Training/FDP/Guest Lecture/Seminar) to be organised for the year 2021-2022
 - c. Inclusion of newly added Professional electives and syllabus revision in R2018.
 - d. Proposed R2022 curriculum

4. Curriculum – Balance of Courses as per Domain, Pre-requisites

Name of the Member	Suggestions	Action Taken
Dr. G. Uma	To include the elective course Safety Instrumental Systems in curriculum	Shall be incorporated in R2022
Dr.D. Angeline Vijula	Professional Ethics and EVS course shall be given credits since it is required for the calculation PO attainment	Shall be incorporated based on recommendation from DOA
Dr. G. Uma	Optical instrumentation shall be offered in 6 th or 7 th semester since it covers the GATE syllabus.	Incorporated

3. Syllabus – Updating and Relevance to Industrial, Career Requirement

Name of the Member	Suggestions	Points Incorporated or Not
Mr. V. Shanmugaraj	To include the topic hydrogen fuel cell in the course Hybrid electric vehicles	Incorporated
Mr. V. Shanmugaraj	To include the topic Serial real time communication systems (SERCOS) in the course Optical Instrumentation	Incorporated
Dr.K.Paramasivam	To modify the elective course VLSI Design	Incorporated
Mr. V. Shanmugaraj	To include the topic Edge computing in the course Industry 4.0	Incorporated
Mr. V. Shanmugaraj	The topic Transduction principles are important in industries and shall be included in the course Sensors and Measurements	Incorporated

Curriculum Electronics and Instrumentation Engineering (Proposed - R2022)

Dr.K.Dhanalakshmi	To include the course Signals and systems before 4 th Semester	Incorporated
Dr.D. Angeline Vijula	To check the prerequisite of Professional Elective courses if it is going to be offered in 4 th semester	Incorporated
Dr.K.Dhanalakshmi	To include one control related course in each semester	Shall be incorporated
Dr.K.Dhanalakshmi	To offer professional value course during start of the career	Shall be incorporated based on feasibility
Dr. G. Uma	Deep Learning concepts can be dealt as a separate course but not in the course Digital signal processing since neural networks is the basic for Deep learning.	Shall be incorporated

4. Course Delivery - Mode and Effectiveness

Name of the Members	Suggestions	Points incorporated or not
NIL		-

5. Course Assessment - - Mode and Effectiveness

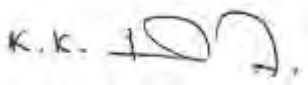

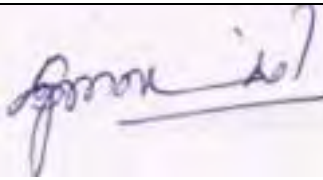

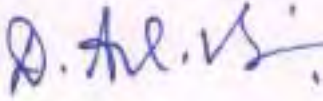

Name of the Members	Suggestions	Points incorporated or not
Dr. G. Uma	Assessment method for the course, Comprehensive Studies	Since the syllabus is taken from GATE – one mark and two marks are asked for both internal and end semester exams


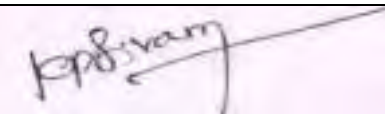
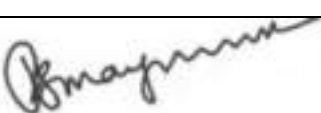


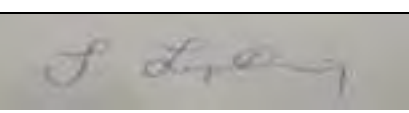

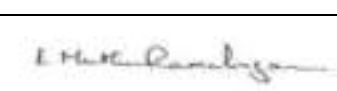
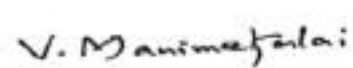
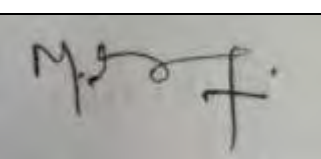
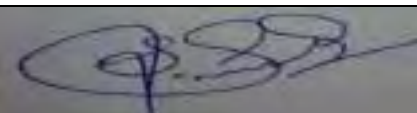
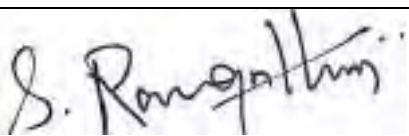
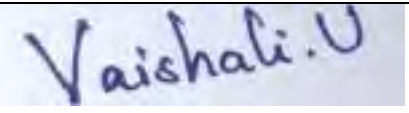
6. Infra Requirement, Upgradation

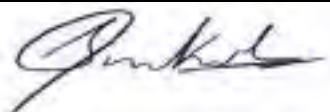
Name of the Members	Suggestions	Points incorporated or not
Dr. G. Uma	Faculty specialisation required for Deep learning	Department Faculty will be trained in the specific Domain

The BOS members have approved the existing syllabus of R2018 with the newly introduced four professional elective courses.

1. U18EIE0018 - Building Automation
2. U18EIE0019 - Optical Instrumentation
3. U18EIE0020 - Statistical Process Control
4. U18EIE0021 - Hybrid and Electric Vehicles

Sl. No	Name	Designation	Designation as per UGC	Signature
1	Dr. K. K. Anil Kumar	Professor & Head EIE/KCT	Chairman	
2	Dr.M.Ezhilarasi	Associate Dean, KCT	Internal member	
3	Dr.K.Dhanalakshmi	Professor ICE/ NIT Trichy	Anna University Nominee	
4	Dr.G.Uma	Professor & Head ICE/ NIT Trichy	Expert nominated by Academic council	
5	Dr.D. Angeline Vijula	Professor ICE/PSG College of Technology	Expert nominated by Academic council	
6	Mr.V.Shanmugaraj	HOD, Sensor and Vision Technology,CMTI,Bangalore.	Expert from Industry	

7	K.Natarajan	Harman Connected services Hyderabad, Associate Product services	Meritorious Alumni	
8	Dr.K.Paramasivam.	Professor/ECE Department/KCT	Faculty member from allied department	
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10	Mr.V.Umesh	Associate Professor, EIE/KCT	Internal member	
11	Dr. V. Dinesh Kumar	Associate Professor, EIE/KCT	Internal member	
12	Ms. I. Jeya Daisy	Assistant Professor II, EIE/KCT	Internal member	
13	Mr.V.Athappan	Assistant Professor II, EIE/KCT	Internal member	
14	Mr. E. Muthu Ramalingam	Assistant Professor, EIE/KCT	Internal member	
15	Ms.V.Manimekalai	Assistant Professor, EIE/KCT	Internal member	
16	Mr.M. Saravana Balaji	Assistant Professor, EIE/KCT	Internal member	
17	Mr. S. Saravana Kumar	Assistant Professor, EIE/KCT	Internal member	
18	Mr. S.Ranganathan	Assistant Professor, EIE/KCT	Internal member	
19	Ms.Vaishali	Student, EIE/KCT	Internal member	

20	Mr. S.R.Sivanikesh	Student, EIE/KCT	Internal member	
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K.K. J. J.

HOD-E&I



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BOARD OF STUDIES MEETING

Department: Electronics & Instrumentation Engineering

Program: BE (Electronics & Instrumentation Engineering)

Online Platform: MS Teams

Date: 23.11.2020

Time: 9.00 AM – 11.00 AM

AGENDA

1. Welcome and introduction of members by Chairperson, Board of Studies (BoS).
2. Presentation of proceedings of Program Assessment Committee (PAC) by the Program Coordinator (CO – PO/PSO mapping, CO, PO/PSO attainment).
3. Presentation of previous meeting minutes and actions taken.
4. Presentation and deliberations on syllabus of R2017- 6th and 7th semester courses.
5. Presentation and deliberations on syllabus of R2018- 5th to 8th semester courses.
6. Presentation of newly added professional elective courses.
7. Presentation and deliberations on curriculum and syllabus of the new Program Electronics and Automation Engineering (Data Science).
8. Presentation and deliberations on course delivery and assessment methods.
9. Deliberations on beyond class / syllabus regarding knowledge and/or skill updation.
10. Prescribing faculty qualification / specialisation for recruiting new faculty.
11. Identifying area for faculty and support faculty training.
12. Suggesting augmentation of infrastructure – laboratory equipment / software purchase.
13. Concluding remarks by Chairperson.

K.K. [Signature]
Dr. K.K. Anil Kumar

HOD-E&I



BOARD OF STUDIES MEETING

Department: Electronics & Instrumentation Engineering

Program: BE (Electronics & Instrumentation Engineering)

Online Platform: MS Teams

Date: 23.11.2020

Time: 9.00 AM – 11.00 AM

1. BOS – Chair Person, Dr. K. K. Anilkumar welcomed the BOS External experts and introduced the internal BOS members.
 2. Department Mission, Vision, Program Outcomes / Program Specific Outcomes (POs/PSOs), and Program Educational Objectives (PEOs) were presented for getting the impressions of experts.
- 2. Curriculum – Balance of Courses as per Domain, Pre-requisites**

Name of the Member	Suggestions	Action Taken
Dr. G. Uma	Change the title of the course Modelling and Analysis of Dynamic systems to Control Systems as the title of any course is more significant	Since the curriculum is fixed in the previous BOS meeting changing the title is not possible
Dr. D. Angeline Vijila	To introduce the course Signals and Systems in the curriculum	Introduction to Signals and Systems is already covered in the course, Digital Signal Processing and Deep Learning
Dr. G. Uma	To include more professional elective courses	Will be incorporated in the subsequent revision of the curriculum

K.K. Anilkumar
Dr. K. K. Anilkumar

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3. Syllabus – Updating and Relevance to Industrial, Career Requirement

Name of the Member	Suggestions	Points Incorporated or Not
Mr. V. Shanmugaraj	To include the topic Pipelining in ARM Controller in the course, Embedded Microcontroller	Incorporated
Dr. G. Uma	To include the topic Control Valve Characteristics in the course, Process Dynamics and Control	Incorporated
Dr. D. Angeline Vijula	To introduce State Space Concepts in 2 nd year courses	Covered in the course, Modelling and Analysis of Dynamic Systems in 4 th Semester
Dr. G. Uma	To allot more lecture hours for flow measurement compared to level measurement in the Course, Field Instrumentation	Incorporated
Mr. V. Shanmugaraj	To introduce the standards IEEE and ISA in any of the core courses	Included in the course, Industrial Automation
Dr. K. Dhanalakshmi	To distinguish LTI and NL Systems in two courses Modelling and Analysis of Dynamic Systems and Advanced Control Systems	Since the syllabus of Modelling and Analysis of Dynamic Systems is vast, it is difficult to incorporate
Mr. K. Natarajan	To include the topic Total Quality Management in the course, Engineering Economics and Financial Management	Since the syllabus is common for many departments, change shall be done after discussing with the concerned faculty members / department
Mr. V. Shanmugaraj	To include Regenerative Braking & Dynamic Braking concepts in the Professional Elective course, Industrial Electronic Drives	Incorporated

K.K. 107.
Dr. K.K. Anil Kumar

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Dr. K. Dhanalakshmi	To introduce the concepts of Actuators in Instrumentation courses	Incorporated
Curriculum and Syllabus of the new Program - Electronics and Automation Engineering (Data Science)		
Dr. G. Uma	To give more Professional Elective Courses in the curriculum of Electronics and Automation Engineering (Data Science) - Flexi curriculum	Incorporated
Dr. G. Uma	To include Predictive Analysis in Professional Elective course	Incorporated
Dr. D. Angeline Vigila	To include Python for Data Science in 1 st or 2 nd year	Incorporated
Dr. G. Uma	To include Applications of AI and ML in Elective courses	Incorporated
Dr. G. Uma	To delete AI from AI & Deep Learning	Here the course is meant for building application in various domains - Retaining
Dr. D. Angeline Vigila	To include Applied Natural Language Processing	It is available in the curriculum
Dr. G. Uma	Knowledge level of students has to be taken into consideration and add bridge courses to cope up	Bridge courses will be conducted

4. Course Delivery - Mode and Effectiveness

Name of the Members	Suggestions	Points incorporated or not
NIL		-

5. Course Assessment - - Mode and Effectiveness

Name of the Members	Suggestions	Points incorporated or not
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K.K. 107
Dr. K. K. Anil Kumar

HOD-E&I

Dr. G. Uma	Assessment method for the course, Comprehensive Studies	Since the syllabus is taken from GATE – one mark and two marks are asked for both internal and end semester exams
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6. Infra Requirement, Upgradation

Name of the Members	Suggestions	Points incorporated or not
Dr. G. Uma	Faculty specialisation required for Data Science	KCT – CS Department will handhold initially and subsequently Department Faculty will be trained

The BOS members have approved the syllabus of R2017 - 7th and 8th semester, R2018 – 5th to 8th semester and the newly introduced five professional elective courses.

The BOS members have approved the Curriculum and Syllabi of Electronics and Automation Engineering (Data science)

K.K. 10/2.
Dr. K. K. Anil Kumar

HOD-E&I



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BOARD OF STUDIES MEETING

Department: EIE

Program: EIE

Venue: SIEMENS AUTOMATION LAB

Date: 29.11.18

Time: 9.30 A.M

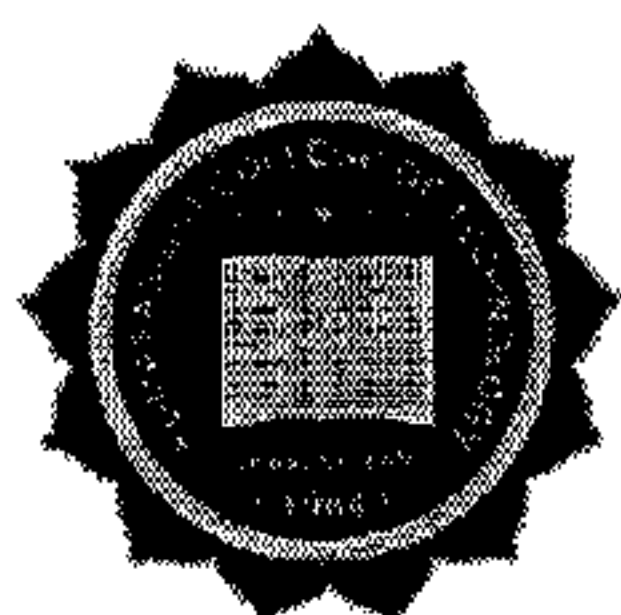
AGENDA

1. Welcome and introduction of members by Chairperson, BoS.
2. Presentation of proceedings of PAC by Program Coordinator (CO - PO mapping, CO, PO attainment).
3. Presentation of previous meeting minutes and action taken.
4. Presentation and deliberation on curriculum and syllabus.
5. Presentation and deliberation on course delivery and assessment methods.
6. Deliberation with regard to knowledge and skill updation.
7. Identifying area for faculty and support faculty training.
8. Suggesting augmentation of infrastructure - laboratory equipment and software purchase.
9. Concluding remarks by Chairperson.

Minutes of BoS

[Signature]
Dec 18/2018

[Signature]



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BOARD OF STUDIES MEETING

Department: EIE

Program: EIE

Venue: SIEMENS AUTOMATION LAB

Date: 29.11.18

Time: 9.30 A.M

1. BOS - Chair Person Dr.M.Ezhilarasi welcomed the BOS External experts and introduced the internal BOS members.

Vision, Mission, POs, PEOs and PSOs were defined and displayed for the opinion of experts.

2. Curriculum - balance of courses as per domain, pre-requisites

Members	Suggestions	Points incorporated or not
Dr.U.S.Ragupathy	Change the title of the course microcontroller to embedded microcontrollers	Incorporated.
Mr.S.R.Venkatapathy	Change the title of the elective Sensor and data fusion into sensor and data analytics.	Shall be considered in future.
Mr.S.R.Venkatapathy	Remove the word technology from the title of the course "Robotics technology and flexible Automation"	Incorporated.

3. Syllabus - updation and relevance to industrial, career requirement

Members	Suggestions	Points incorporated or not
Mr.S.R.Venkatapathy	Include digital transformation concepts like artificial intelligence and machine learning.	Incorporated in the syllabus
Mr. S.R. Venkatapathy	Professional communication can be offered in every semester as students getting placed in software industries lack in communication skills	This point could not be incorporated as the number of credits will increase.
Mr.V.Shanmugaraj	The content of Sensors and Measurements course is very vast	Students should be self motivated to learn the

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HOD-EIE

	for the students to study within a semester	prerequisite concepts.
Mr.V.Shanmugaraj	To go for an industrial visit for the course MEMS and Sensor design	Incorporated based on feasibility
Mr.S.R.Venkatapathy	Include heat exchangers, condensers, steam boilers and steam turbines in Fluid mechanics and thermo dynamics	Included
Mr.S.R.Venkatapathy	To bring microcontroller at the beginning of second year	Engineering Clinics is already incorporated in the first semester itself.
Mr.S.R.Venkatapathy	Include COBOTS in control and system dynamics	Included in the elective Robotics and Automation
Mr.V.Shanmugaraj	Course Ancillary support system is very important and appreciated the syllabus content.	--
Mr.Venkatapathy	Include CAN bus in communication protocols and it will be good if the student study this Communication and Networks with Industrial automation	Not possible to incorporate as credits will go beyond 25 if this is incorporated in the 5th semester or 6th semester
Dr.U.S.Ragupathy	Include one course outcome related to deep learning in the course DSP and Deep learning	Incorporated
Dr.S.Kumar	Including good books for the course system identification, modelling and simulation.	Incorporated
Mr.V.Shanmugaraj	Recursive neural network in the syllabus of advanced intelligent controllers	This concept is included in the course DSP and Deep learning.
Mr.S.R.Venkatapathy and Dr.S.Kumar	Machine Vision can be part of optical instrumentation syllabus content	Incorporated based on feasibility
Mr.V.Shanmugaraj	In Field instrumentation course include thermistor, Miscellaneous field instruments and selection of instruments.	Thermistor topic is already covered in sensors and Measurements. Remaining suggestions shall be incorporated.



4. Course Delivery - Mode and effectiveness

Members	Suggestions	Points incorporated or not
Ms.Sharmila, IV year EIE	Expressed her views about the learning of DIP course in hands on mode which was very effective.	-

5. Course Assessment - - Mode and effectiveness

Members	Suggestions	Points incorporated or not
Mr.Ajith Kannan IV year EIE	Expressed his views about the end semester examination pattern (hands on mode) of DIP course which was very useful.	-

6. Infra requirement, upgradation

Members	Suggestions	Points incorporated or not
Mr.V.Shanmugaraj	Intellisuite Educational version shall be purchased to help students learn about the design of micro pumps, micro gears and design based on cantilever beam.	Shall be incorporated based on feasibility

The BOS members have approved the syllabus of R2017 - 5th and 6th semester, R2018 – 3rd and 4th semester and Protosem of R2015 (2015-2019 batch) 7th semester students.


HOD-EIE



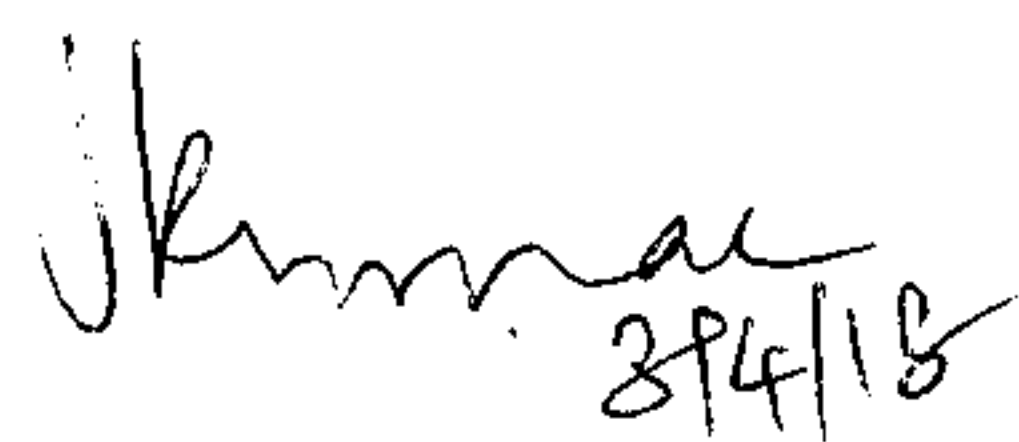
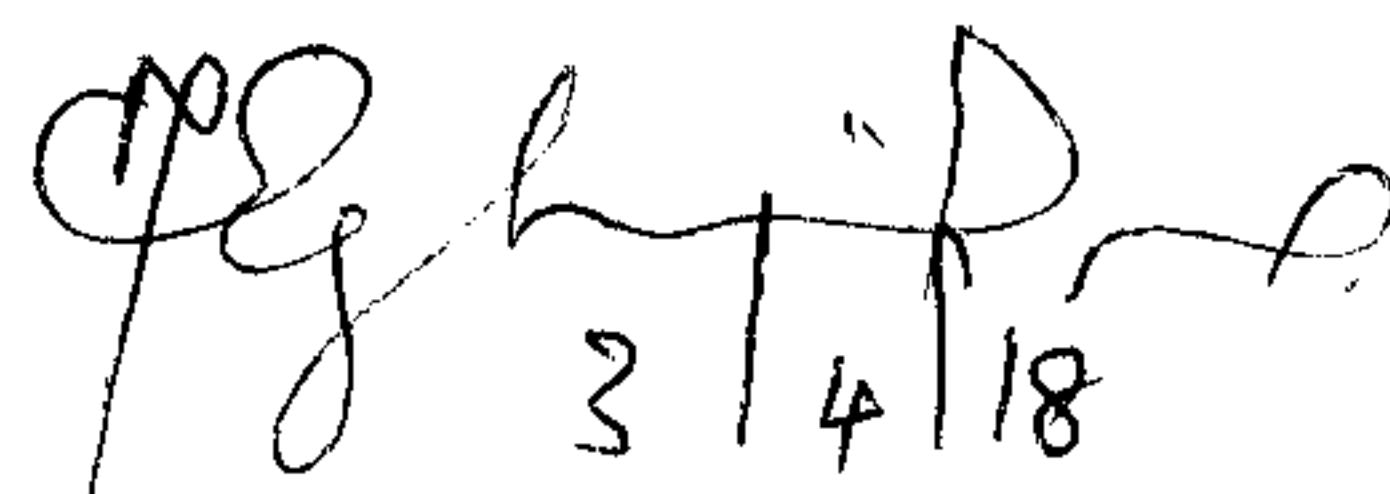
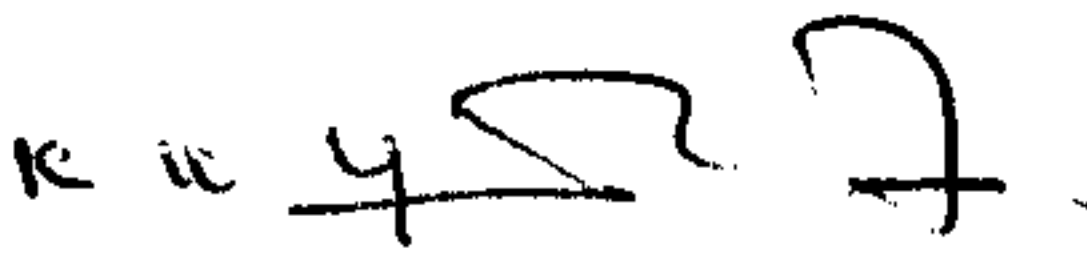

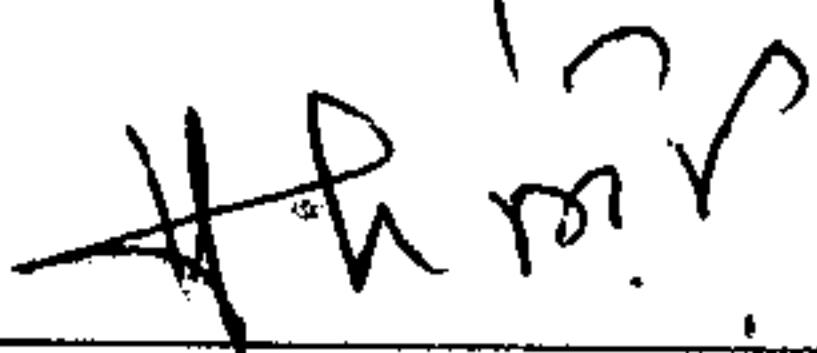
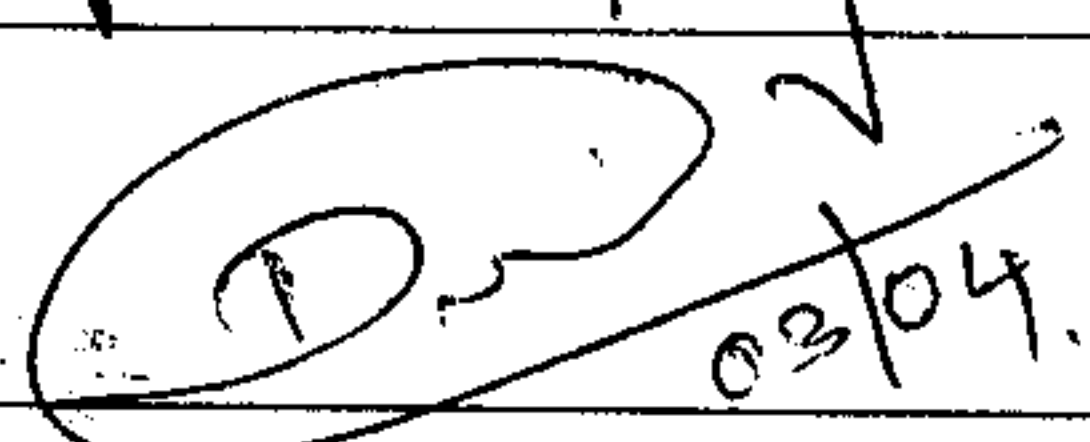
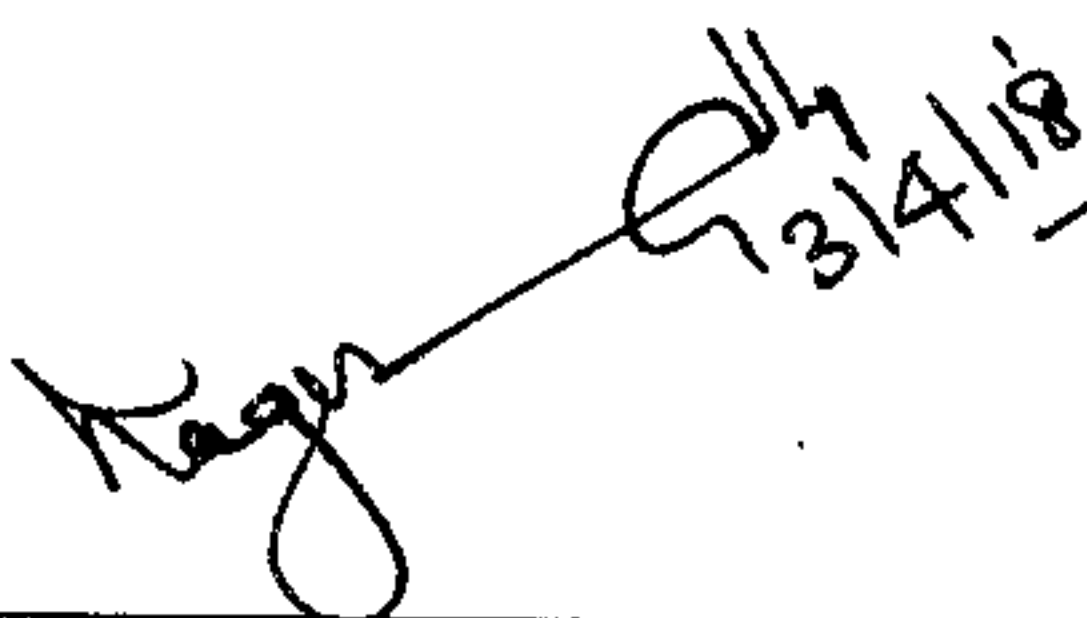
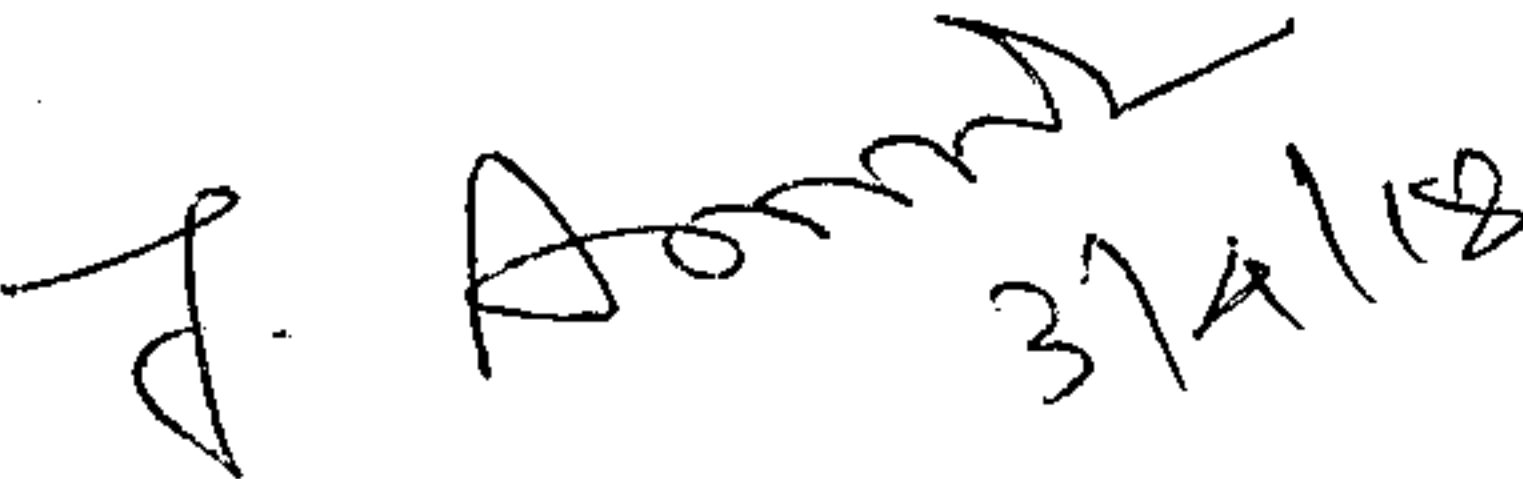

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Department of Electronics and Instrumentation Engineering

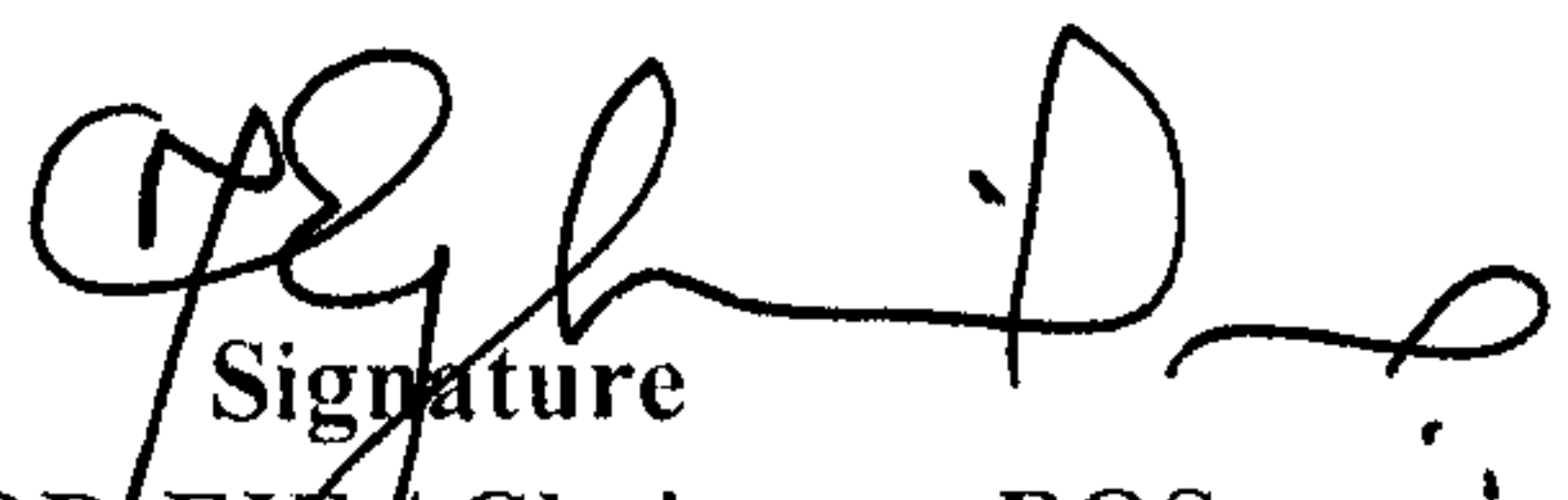
Board of Studies – Attendance

The BOS Meeting of the EIE Department for the year 2018 – 2019 is held on 03.04.2018 and the attendance of the expert members is as follows:

Date: 03.04.2018

Sl.No.	Details of Expert	Signature
01	<u>Name of the University Nominee</u> Dr.S.Kumar Associate Professor, Department of Instrumentation Engineering MIT Campus, Anna University, Chennai - 600044 9444140553	 3/4/18
02	<u>Head of the Dept.(Chairman BOS)</u> Dr.M.Ezhilarasi, Professor & Head Kumaraguru College of Technology Coimbatore -641049 Email: hod.eie@kct.ac.in	 3/4/18
03	<u>Name of the Teaching Faculty from Each Specialization</u> Dr. K. K. Anil Kumar, Professor / EIE, Process control and Instrumentation.	
	Prof. G. Govindaraju, Professor / EIE, VLSI.	
	Mr.M.V.Umesh Associate professor / EIE, Digital Systems & Communication Engineering.	
	Dr. V. Dinesh Kumar, Associate Professor / EIE, Process Control & Instrumentation.	 03/04/18
04	<u>Name of the expert nominated by Academic council (outside the College)</u> 1. Mr. U.S.Ragupathy Professor & Head - EIE Kongu Engineering College, Perundurai, Erode -638060 usr@kongu.ac.in, 9842851315	 3/4/18
	2. Dr.J.Arun Shankar, Professor & Head, Instrumentation and Control Engg. PSG College of Technology, Coimbatore – 641 004 7708055436, jas@ice.psgtech.ac.in	 3/4/18
05	<u>Name of the representative from Industry/Corporate sector/allied area relating to placement</u> Mr. S. Karthik, Director, Synetics Automation, Coimbatore. 9944255455	

06	<u>Post Graduate meritorious alumini nominated by principal</u> Mr. Venkatesan Balakrishnan Assistant Professor Kongu Engineering College Perundurai, Erode -638060 9487267705, venkatesan.eie@kongu.edu	B.V. 3/4/18
07	<u>Other members of Staff of the same Dept(at least 5 years Teaching Experience)</u> Mrs.I.Jeya Daisy Assistant Professor II / EIE, Embedded System Technologies	J. Jeya Daisy
	Mr.V.Athappan Assistant Professor II Process Control & Instrumentation	Athappan
	Mr.E.Muthu Ramalingam Assistant Professor I/ EIE, Control & Instrumentation Engg	E.Muthu Ramalingam 3/4/18
	Ms. V. Manimekalai Assistant Professor I/ EIE, Applied Electronic	V. Manimekalai 3/4/18
	Mr. M. Saravana Balaji Assistant Professor I/ EIE, Control & Instrumentation	M. Saravana Balaji
	Mr.J.Gireesh Kumar Assistant Professor I / EIE, Control System	
	Mr.S.Saravana Kumar, Assistant Professor I/ EIE, VLSI Design	S.Saravana Kumar 03/04/18
	Mr. S. Ranganathan, Assistant Professor I/ EIE, PLC and Automation.	S. Ranganathan 03/04/18
08	<u>COE/Coordinator Autonomous(ex-officio member-nominated by principal)</u> Dr.Vijaya Prakash Deputy Controller of Examination Kumaraguru College of Technology Coimbatore – 641 049	


 Signature
 HOD-EIE/Chairman-BOS



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and
Accreditation Council)

GRADE
A++

Fashion Technology



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and Accreditation Council)

GRADE A++

Fashion Technology

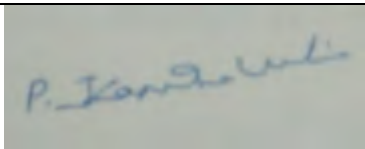

Sl. No.	Date of Board of Studies meeting
1.	03.02.2023
2.	25.06.2022
3.	11.12.2021
4.	12.06.2021
5.	21.11.2021
6.	14.12.2018
7.	28.03.2018

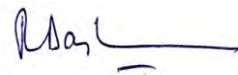
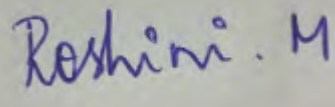
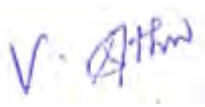
	KUMARAGURU COLLEGE OF TECHNOLOGY Department of Fashion Technology 21st Board of Studies Meeting	Ref No. FT/BOS/1
		Prepared by: Dr. G.Rajkumar/ ASP/FT
	MINUTES OF MEETING	Issued by: Dr.Priyadarshini/ HOD/FT Issue Date: 17.02.2023 Page Number: 1 of 5

Date:	03.02.2023	Time:	10.30 AM to 12.00 PM	Online	MS Teams: https://tinyurl.com/mr2zhxnx
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Participants of the meeting

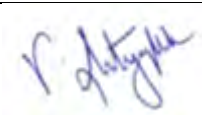
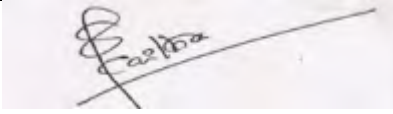
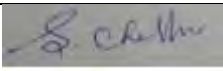

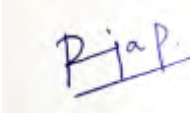
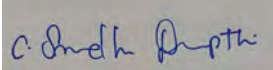
External Panel Members

S. No	Name	Designation as per UGC	Designation / Affiliation with full Contact Details	Digital Signature
1	Dr. P.Kandha Vadivu	Anna University Nominee	Professor and Head, Department of Fashion Technology, PSG College of Technology, Coimbatore - 641004	
2	Dr. Abhijit Majumdar	Subject Expert	Professor, Department of Textile and Fibre Engg. Indian Institute of Technology, Hauz Khaz, New Delhi – 110016.	Absent
3	Dr.Prabir Jana	Subject Expert	Professor, National Institute of Fashion Technology Hauz Khas, Near Gulmohar Park, New Delhi- 110 016	Absent
4	Mr. Shailendra.KR. Nigam	Expert from Industry	Deputy General Manager, Jay Jay Mills, 10 KVP layout, Alangadu, Kuruvam palayam, Tirupur Tamil Nadu 641604.	Absent
5	Dr.Ketankumar Vadodaria	Special Invitee	Associate Senior Faculty, Textile Design, National Institute of Design Opposite Tagore Hall, Rajnagar Society, Paldi, Ahmedabad, Gujarat 380007.	
6	Mr.A. Sethu	Special Invitee/ Industry	Master Linens INC Managing Director, A&M Compounds, SF No.:413/2 & 4, Sengalapuram, Thumbivadi Post, Aravakurichi, T.K.Karur -639 002.	Absent

S. No	Name	Designation as per UGC	Designation / Affiliation with full Contact Details	Digital Signature
7	Dr. R. Baskar	Special Invitee	Professor Department of Bio Technology, Kumaraguru College of Technology, Coimbatore.	
8	Ms. R. Niveda	Alumni Member-PG	Founder and Director Bliss Natural Pads 5/25 A 4 Ramakutty layout Koundampalayam, Coimbatore, Tamil Nadu 641030	Absent
9	Ms.M. Roshini	Alumni Member-UG	Co- founder and Fashion editor Luxury Wellness, Coimbatore	
10	Shrivarthini V Kalaiaarasi S Geetha.T	Students from Final year UG /Final year PG	21MAT003/22MAT002/19BFT023 Fashion Technology Kumaraguru College of Technology Coimbatore-641049	

Internal Panel Members

S.No	Name	Signature
1	Dr.R.Priyadharshini, Assistant Professor II & Head	
2	Mr. A.Pavendan, Associate Dean, Textile Cluster	
3	Dr.G.Ramakrishnan, Professor	
4	Dr. BhaarithiDhurai, Professor	
5	Dr. G. Rajkumar, Associate Professor	
6	Dr.V.Krishnaveni, Associate Professor	

7	Dr. Nithyaprakash. V, Associate Professor	
8	Dr. S. Kavitha, Assistant Professor III	
9	Mr.S.ChandraKumar, Assistant Professor (SrG)	
10	Mr. A. Thambidurai, Assistant Professor I	
11	Ms.Pooja.P/ Assistant Professor I	
12	Ms.C.Srinidhi Deepthi	

Agenda:

1. Action Taken Report on Previous DAB/BoS Meeting
2. Introduction of New One Credit Courses / Programme Electives / Open Electives in R2018
3. R2023 Draft Curriculum
4. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2022-23
5. Members Recommendations for Implementing NEP 2020
6. Any other matters (with the permission of Chairman, BoS)

MINUTES OF MEETING & ACTION POINTS (B.Tech Fashion Technology)

Codes: A: Action C: Comment D: Decision R: Recommendation

B.Tech Fashion Technology

S.No	CODE	DESCRIPTION & DISCUSSION POINTS
1.		BOS Chairman welcomed the members. BOS Coordinator (UG) Presented Action Taken Report on Previous BoS Meeting.
2.	D	<u>Introduction of New One Credit Courses / Programme Electives / Open Electives</u> The following open elective courses are introduced in R2018

S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		<p>U18FTO0006- Fashion Styling and Business</p> <p>U18FTO0007-Industrial Engineering Techniques in Apparel Technology</p> <p>The following one credit course is introduced in R2018.</p> <p>U18FTC0020- Speciality Printing of Fabrics and Denim dyeing of garment.</p> <p>Professional Core</p> <p>A new core course U18FTT5004 Sports Textiles was introduced in the fifth semester of R2018 to replace the U18INI5600 Engineering Clinic for the 2021-2025 batch.</p>
3.		<p><u>Addition of New Lab Experiments in R2018 Courses</u></p> <p>Nil</p>
4.	R	<p><u>Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2022-23</u></p> <p>The experts approved the panel members presented.</p>
5.	C	<p><u>Members Recommendations for Implementing NEP 2020</u></p> <p>Members said that it will be discussed after the implementation of policy from the Government.</p>
6.	C, R	<p><u>Members comments & Suggestions for Regulations 2023 curriculum & syllabi</u></p> <p>The courses Introduction to Fashion Technology, Fibre and Yarn Technology, Fibre analytical lab and draft curriculum was discussed in 20th BOS Meeting. The final curriculum and respective syllabus will be presented in the next BOS meeting after the guidelines are ready for R2023.</p> <p>Dr. P.Kandha Vadivu</p> <p>In NTTM proposal, testing instruments to measure thermal transmission, friction between skin and garment can be added in sports textiles. Flammability can be added in home textiles. More importance can be given to Home textiles using recycled yarns.</p> <p>Students can be encouraged to do projects in sustainable textile and fashion.</p> <p>Dr.Ketankumar Vadodaria</p>

S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		<p>Touch tester can be added for the theme home textiles in NTTM.</p> <p>Natural dyeing studio, Natural fibre centre and the importance of that facility are also discussed.</p> <p>Ms.M. Roshini</p> <p>Sustainable design principles and circular economy can be added as a part of the curriculum.</p> <p>Students can start their internship in first and second year onward to know industrial practices, which will be more helpful for choosing a profession in the final year.</p>
7.		Dr.G.Rajkumar , BOS Coordinator proposed vote of thanks and concluded the meeting.

Members Absent


S.No	Name
1.	Mr. A. Sethu, Master Linens INC, Managing Director, A&M Compounds, SF No.:413/2 & 4, Sengalapuram, Thumbivadi Post, Aravakurichi, T.K.Karur -639 002
2	Dr. Abhijit Majumdar, Professor, Department of Textile and Fibre Engg. Indian Institute of Technology, Hauz Khaz, New Delhi – 110016.
3	Dr.Prabir Jana, Professor, National Institute of Fashion Technology, Hauz Khas, Near Gulmohar Park, New Delhi- 110 016
4	Mr. Shailendra.KR. Nigam, Deputy General Manager, Jay Jay Mills, 10 KVP layout, Alangadu, Kuruvam palayam, Tirupur, Tamil Nadu 641604.
5	Ms. R. Niveda, Founder and Director, Bliss Natural Pads, 5/25 A 4 Ramakutty layout, Koundampalayam, Coimbatore- 641030



Dr. G,Rajkumar
BOS COORDINATOR (UG)




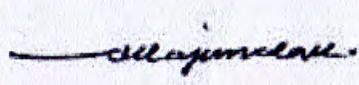
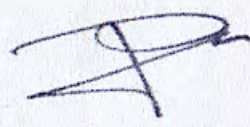
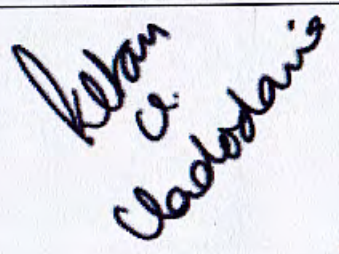
Dr.R.Priyadarshini
BOS CHAIRMAN
HOD/FASHION TECHNOLOGY

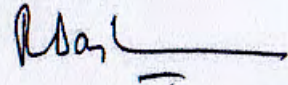
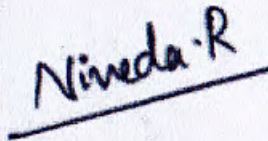
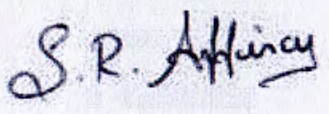
	KUMARAGURU COLLEGE OF TECHNOLOGY Department of Fashion Technology 20th Board of Studies Meeting	Ref No. FT/BOS/1
		Prepared by: Dr. G.Rajkumar/ ASP
	MINUTES OF MEETING	Issued by: Dr.G.Ramakrishnan/ HOD/FT Issue Date: 19.07.2022 Page Number: 1 of 6

Date:	25.06.2022	Time:	11.00 AM to 02.00 PM	Online	MS Teams: https://tinyurl.com/2x48vdz7
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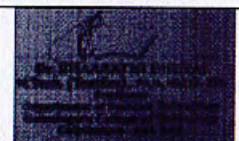
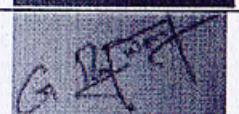
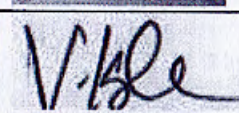
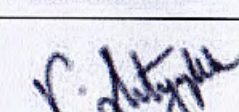
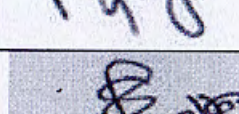
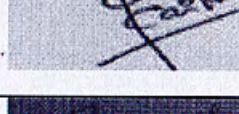
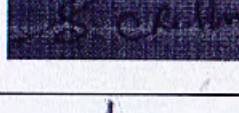
Participants of the meeting

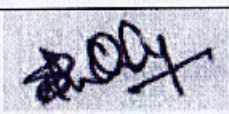
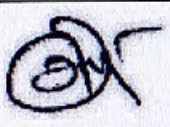
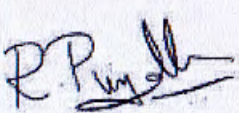
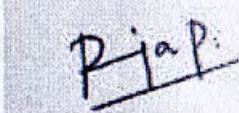
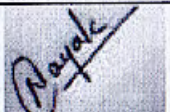
External Panel Members

S. No	Name	Designation as per UGC	Designation / Affiliation with full Contact Details	Digital Signature
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3	Dr.Prabir Jana	Subject Expert	Professor, National Institute of Fashion Technology Hauz Khas, Near Gulmohar Park, New Delhi- 110 016	
4	Mr. Shailendra.KR. Nigam	Expert from Industry	Deputy General Manager, Jay Jay Mills, 10 KVP layout, Alangadu, Kuruvam palayam, Tirupur Tamil Nadu 641604.	Present
5	Dr.Ketankumar Vadodaria	Special Invitee	Associate Senior Faculty, Textile Design, National Institute of Design Opposite Tagore Hall, Rajnagar Society, Paldi, Ahmedabad, Gujarat 380007.	
6	Mr.A. Sethu	Special Invitee/ Industry	Master Linens INC Managing Director, A&M Compounds, SF No.:413/2 & 4, Sengalapuram, Thumbivadi Post, Aravakurichi, T.K.Karur -639 002.	Absent

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7	Dr. R. Baskar	Special Invitee	Professor Department of Bio Technology, Kumaraguru College of Technology, Coimbatore.	
8	Ms. R. Niveda	Alumni Member-PG	Founder and Director Bliss Natural Pads 5/25 A 4 Ramakutty layout Koundampalayam, Coimbatore, Tamil Nadu 641030	
9	Ms. S.Keerthi	Alumni Member-UG	Store Manager H& M Hennes &Mauritz Pvt LTD Coimbatore -641 035.	Absent
10	Madhumithaa.N Angeline Sugiritha.R Affincy.SR Thilakavathi.P	Students from Final year UG /Final year PG	18BFT019/ 18BFT030/20MAT001/20MAT003 Fashion Technology Kumaraguru College of Technology Coimbatore-641049	

Internal Panel Members

S.No	Name	Signature
1	Dr.G.Ramakrishnan, Professor & Head	
2.	Dr. BhaarathiDhurai, Professor	
3.	Dr. G. Rajkumar, Associate Professor	
4.	Dr.V.Krishnaveni, Associate Professor	
5.	Dr. Nithyaprakash. V, Associate Professor	
6.	Dr. S. Kavitha, Assistant Professor III	
7.	Mr.S.ChandraKumar, Assistant Professor (SrG)	
8.	Dr. K. Prabu, Assistant Professor II	

9.	Mr. A. Thambidurai, Assistant Professor I	
10.	Mr. Arunraj A, Assistant Professor II	
11.	Dr.R.Priyadharshini, Assistant Professor II	
12.	Ms.Pooja.P / Assistant Professor I	
13.	Ms.Aditi Nayak / Assistant Professor I	

Agenda:

1. Action Taken Report on Previous BoS Meeting
2. Introduction of New One Credit Courses / Programme Electives / Open Electives in R2018
3. Addition of New Lab Experiments in R2018 Courses
4. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2022-23
5. Members Recommendations for Implementing NEP 2020
6. Members comments & Suggestions for Regulation 2022 curriculum & syllabi
7. Any other matters (with the permission of Chairman, BoS)

MINUTES OF MEETING & ACTION POINTS (B.Tech Fashion Technology)

Codes: A: Action C: Comment D: Decision R: Recommendation

B.Tech Fashion Technology

S.No	CODE	DESCRIPTION & DISCUSSION POINTS
1.		BOS Chairman welcomed the members. BOS Coordinator (UG) Presented Action Taken Report on Previous BoS Meeting.
2.	D	<p><u>Introduction of New One Credit Courses / Programme Electives / Open Electives</u></p> <ul style="list-style-type: none"> The following one credit course was introduced in R2018 program, was presented to BOS members. <p>U18FTC0019 -Sustainable Materials in Engineering</p>

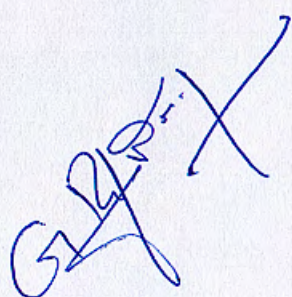
S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		<p><u>Programme Electives</u></p> <p>The following two programme electives were introduced in R2018.</p> <ul style="list-style-type: none"> • U18FTE0019 Fashion design thinking • U18FTE0020 Design project
3.		<p><u>Addition of New Lab Experiments in R2018 Courses</u></p> <p>Nil</p>
4.	R	<p><u>Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22</u></p> <p>The experts approved the panel members presented.</p>
5.	C	<p><u>Members Recommendations for Implementing NEP 2020</u></p> <p>Members said that it will be discussed after the implementation of policy from the Government.</p>
6.	C, R	<p><u>Members comments & Suggestions for Regulations 2022 curriculum & syllabi (Semester I & Semester II)</u></p> <p>Course title: Introduction to Fashion technology</p> <p>Dr. P.Kandha Vadivu</p> <ul style="list-style-type: none"> • Any one topic either fashion season or season of fashion can be retained. It is a repetition in the course. • The topic collection development process should be modified as fashion or design collection process. • A core course can be introduced in semester I instead of the course "Introduction to Fashion Technology" due to credit constraint. The content of introduction to fashion technology can be covered in an orientation/induction program. A separate slot can be allotted to department and faculty can be able to handle. Outcome of the course cannot be claimed because it has only general contents. Question paper setting will also trouble and no control on the depth of questions. • The content may be modified with garment manufacturing flow process, scope of domestic and export market, different

S.No	CODE	DESCRIPTION & DISCUSSION POINTS
		<p>sectors/clusters in apparel manufacturing in India. The garment manufacturing and its components can be given in one unit.</p> <p>Dr.Ketankumar Vadodaria</p> <ul style="list-style-type: none"> The course "Introduction to Fashion Technology" may be helpful, and the contents are too detail. The content can be modified in such a way that covering material flow in apparel manufacturing and process involved in apparel manufacturing. <p>Dr.Prabir Jana</p> <ul style="list-style-type: none"> The depth of coverage of each topic in a course is with respect to the faculty who is teaching the course. The content should be precise. The contents such as apparel markets i.e., Indian market scenario and international market scenario can be added. Business process related contents can be added. Manufacturing process related contents can be removed. Evolution of apparel industry, contribution of apparel sector in GDP can be added. <p>Course title: Fibre science and yarn technology</p> <p>Dr. P.Kandha Vadivu</p> <ul style="list-style-type: none"> The topics metallic yarn, nano, micro and hollow yarns can be added under the unit speciality yarns in the course "Fibre science and yarn technology". The volume of the course can be reduced by specifying clearly studying only Structure, properties and applications of fibres. <p>Dr.Prabir Jana</p> <ul style="list-style-type: none"> The topic sewing thread can be removed from the course "Fibre science and yarn technology" if the syllabus is too heavy. Recycled fibres, recycling techniques can be added in the course "Fibre science and yarn technology" in speciality fibres. The topic Ticket numbering can be removed. <p>Course title: Fibre analytical lab</p> <p>Dr. P.Kandha Vadivu</p> <ul style="list-style-type: none"> Experiments related to spinning can be added in course "Fibre analytical lab" by clubbing few experiments. Measurement of fibre length need not be a separate experiment. <p>Dr.Ketankumar Vadodaria</p>

S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		<ul style="list-style-type: none"> • Introduction to analytical measures to identify the fibres such as FTIR, DSC and EDX can be introduced in the course "Fibre analytical lab". It is useful for research. <p>Course title: Fabric manufacture and design/ Fabric manufacture and knitted design</p> <ul style="list-style-type: none"> • The title of the course Fabric manufacture and woven design can be reframed as "Woven fabric manufacture and design". Similarly Knitted fabric manufacture and design instead of fabric manufacture and knitted design in the curriculum.
7.	C, R	<p><u>General comments about R2022</u></p> <p>Dr. P.Kandha Vadivu</p> <ul style="list-style-type: none"> • The topics Fourier transform is not useful for fashion technology students. Optimization techniques, design of experiments and analysis of data can be given. Operation research, CPM and linear programming is required for students. • The track system (grouping of electives) must have common framework consisting of basic science courses, engineering science courses, and human science courses etc as specified by AICTE and Anna University. The basic courses must be same for all students. <p>Dr.Prabir Jana</p> <ul style="list-style-type: none"> • For the startup track and its related courses guideship form experts related to that field can be obtained.
8.		<p>Dr.G.Rajkumar, BOS Coordinator proposed vote of thanks and concluded the meeting.</p>

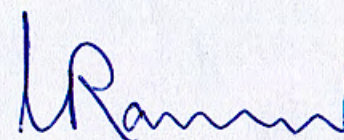
Members Absent

S.No	Name
1.	Mr. A. Sethu, Master Linens INC, Managing Director, A&M Compounds, SF No.:413/2 & 4, Sengalapuram, Thumbivadi Post, Aravakurichi, T.K.Karur -639 002
2	Ms. S.Keerthi, Store Manager, H& M Hennes &Mauritz Pvt LTD, Coimbatore - 641 035.



Dr.G.Rajkumar


BOS Coordinator (UG)



Dr.G.Ramakrishnan

BOS Chairman

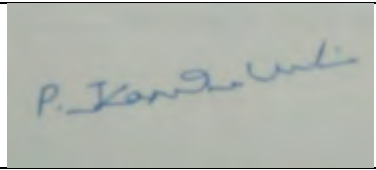



HOD/FASHION TECHNOLOGY





	KUMARAGURU COLLEGE OF TECHNOLOGY Department of Fashion Technology 19th Board of Studies Meeting	Ref No. KCT/FT/BOS/01
		Prepared by: Dr. G.Rajkumar Issued by: Dr.G.Ramakrishnan, HOD/FT Issue Date: 31.12.2021
	MINUTES OF MEETING	Page Number: 1 of 7

Date:	11.12.2021	Time:	10.30 AM to 01.00 PM	Online	MS Teams: https://tinyurl.com/2u94pcs9
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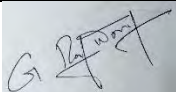

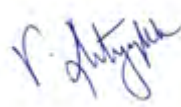
Participants of the meeting

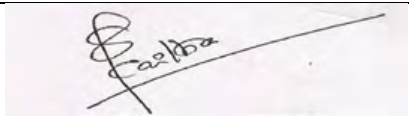
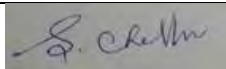



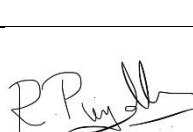
External Panel Members

S. No	Name	Designation as per UGC	Designation / Affiliation with full Contact Details	Digital Signature
1	Dr. P.Kandha Vadivu	Anna University Nominee	Professor and Head, Department of Fashion Technology, PSG College of Technology, Coimbatore - 641004	
2	Dr. Abhijit Majumdar	Subject Expert	Professor, Department of Textile and Fibre Engg. Indian Institute of Technology, Hauz Khaz, New Delhi – 110016.	
3	Dr.Prabir Jana	Subject Expert	Professor & Head Research, National Institute of Fashion Technology Hauz Khas, Near Gulmohar Park, New Delhi- 110 016	
4	Mr. Shailendra.KR. Nigam	Expert from Industry	Deputy General Manager, Jay Jay Mills, 10 KVP layout, Alangadu, Kuruvam palayam, Tirupur Tamil Nadu 641604.	Present
5	Dr.Ketankumar Vadodaria	Special Invitee	Associate Senior Faculty, Textile Design, National Institute of Design Opposite Tagore Hall, Rajnagar Society, Paldi, Ahmedabad, Gujarat 380007.	

S. No	Name	Designation as per UGC	Designation / Affiliation with full Contact Details	Digital Signature
6	Mr.A. Sethu	Special Invitee/ Industry	Master Linens INC Managing Director, A&M Compounds, SF No.:413/2 & 4, Sengalapuram, Thumbivadi Post, Aravakurichi, T.K.Karur -639 002.	Absent
7	Dr. N.Saraswathy	Special Invitee	Professor Department of Bio Technology, Kumaraguru College of Technology, Coimbatore.	
8	Ms. R. Niveda	Alumni Member-PG	Founder and Director Bliss Natural Pads 5/25 A 4 Ramakutty layout Koundampalayam, Coimbatore, Tamil Nadu 641030	
9	Ms. S.Keerthi	Alumni Member-UG	Store Manager H& M Hennes &Mauritz Pvt LTD Coimbatore -641 035.	
10	Madhumithaa.N Angeline Sugiritha.R Affincy.SR Thilakavathi.P	Students from Final year UG /Final year PG	18BFT019/ 18BFT030/20MAT001/20MAT003 Fashion Technology Kumaraguru College of Technology Coimbatore-641049	

Internal Panel Members

S.No	Name	Signature
1	Dr. BhaarithiDhurai, Professor	 Dr. BHAARATHI DHURAI M.Tech. (Textiles), Ph.D. MSTE, PDE Professor Department of Fashion Technology Kumaraguru College of Technology Coimbatore - 641 049.
2.	Dr. G. Rajkumar, Associate Professor	
3.	Dr.V.Krishnaveni, Associate Professor	
4.	Dr. Nithyaprakash. V, Associate Professor	

5.	Dr. S. Kavitha, Assistant Professor III	
6.	Mr.S.ChandraKumar, Assistant Professor (SrG)	
7.	Dr. K. Prabu, Assistant Professor II	
8.	Mr. A. Thambidurai, Assistant Professor I	
9.	Mr. Arunraj A, Assistant Professor II	
10.	Dr.R.Priyadharshini, Assistant Professor II	

Agenda:

1. Action Taken Report on Previous BoS Meeting
2. Introduction of New One Credit Courses / Programme Electives / Open Electives
3. Addition of New Lab Experiments in R2018 Courses
4. Stakeholder's feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
5. Targets for CO / PO for Academic Year 2021-22
6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22
7. Members Recommendations for Implementing NEP 2020
8. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

9. Members inputs towards up gradation of infrastructure /teaching aids to aid content delivery
10. Best Practices followed in (External) Member's Institutions
11. Minor specialization
12. Gap identification.
13. Input for curriculum development for the upcoming regulation syllabus
14. Any other matters (with the permission of Chairman, BoS)

MINUTES OF MEETING & ACTION POINTS

Codes: A: Action C: Comment D: Decision R: Recommendation

S.No	CODE	DESCRIPTION& DISCUSSION POINTS
1.		BOS Chairman welcomed the members. BOS Coordinator Presented Action Taken Report on Previous BoS Meeting.
2.	C, R	<p><u>Introduction of New One Credit Courses / Programme Electives / Open Electives</u></p> <ul style="list-style-type: none"> The following three one credit courses and one open elective courses for UG program was presented to BOS members. <p>U18FTC0016- Colour Management</p> <p>U18FTC0017 – Couture Draping</p> <p>U18FTC0018- Handloom Technology and Products</p> <p>U18FTO0005- Garment Machinery and Equipment</p>
3.	D	<p><u>Addition of New Lab Experiments in R2018 Courses</u></p> <p>No Addition of New Lab Experiments in R2018 Courses.</p>
4.	D	<p><u>Stakeholder's feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods</u></p>

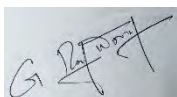
S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		Presented the (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods to the BOS members and the members are satisfied.
5.	D	<p><u>Targets for CO / PO for Academic Year 2021-22</u></p> <p>Discussed about the CO/PO attainment for the courses and the method adopted by the department to calculate the CO/PO attainment. The expert member felt satisfactory on the assessment methods.</p>
6.	R	<p><u>Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22</u></p> <p>The experts approved the panel members presented.</p>
7.	D	<p><u>Members Recommendations for Implementing NEP 2020</u></p> <p>Members said that it will be discussed after the implementation of policy from the Government.</p>
8.	C, R	<p><u>Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)</u></p> <ul style="list-style-type: none"> • Two industrial training can be provided in the curriculum instead of one (duration - 4 weeks each) • The weightage of theory courses and practical courses in the curriculum will be based on the need, type of program and depending on the content of the courses. • Lab component should be added in the course U18FTT3003- Patten making and adaptation • Students can also take training in centrally funded research labs (CSIR etc) rather than taking training in industry. • In each course, self-study component can be added as a part of syllabus. Students can study at least two/three chapters of their own and doubts can be cleared in the class by course teacher. • The flexible credits can be given in the final year based on the specialization.

S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		<ul style="list-style-type: none"> • More weightages should be provided to practical component and more labs can be provided in the curriculum. • More presentations can be given to students in online class to increase interaction. • Sustainability component can be added in the curriculum. • Instead of adding more courses in elective list, the course which is useful can be given in the list. • A separate lab for surface ornamentation techniques can be given instead of theory which will be helpful for starting up boutique. Example: embroidery can be included in the practical course.
9.	D	<p><u>Members inputs towards up gradation of infrastructure /teaching aids to aid content delivery</u></p> <p>Two new soft wares such as Apex Software and Reach CAD software are proposed in the meeting. The Reach CAD can be used for PG Diploma programs and Apex software can be used for UG/PG/Diploma programs.</p>
10.	R	<p><u>Best Practices followed in (External) Member's Institutions</u></p> <ul style="list-style-type: none"> • In each course, self-study component can be added as a part of syllabus. Students can study at least two/three chapters from their side. • More videos on machine functions available in you tube can be shown to students as an alternative to industrial visit in pandemic period. • More presentations can be given to students in online mode for effective engagement.
11.	R	<p><u>Minor specialization Courses:</u></p> <p>BOS members welcomed the introduction of minor specialization courses as it will add value to the students.</p>

S.No	CODE	DESCRIPTION& DISCUSSION POINTS
12.		<u>Gap identification</u> : The experts felt curriculum and syllabi more comprehensive.
13.	R	<u>Input for curriculum development for the upcoming regulation syllabus</u> Member's suggestions given during 18 th and 19 th BOS meeting will be considered for implementation in our upcoming regulation. It can be presented in the next BOS meeting for detailed deliberations. Members suggested to increase the practical component in the new regulation
14.		Dr.G.Rajkumar , BOS Coordinator proposed vote of thanks and conclude the meeting.

Members Absent for the 19th BOS

S.No	Name
1.	Mr. A. Sethu, Master Linens INC, Managing Director, A&M Compounds, SF No.:413/2 & 4, Sengalapuram, Thumbivadi Post, Aravakurichi, T.K.Karur -639 002



Dr.G.Rajkumar

BOS Coordinator (UG)



Dr.G.Ramakrishnan

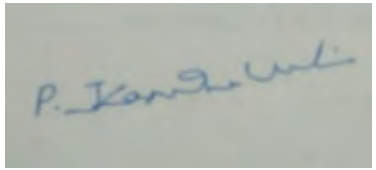




BOS Chairman







HOD/FASHION TECHNOLOGY

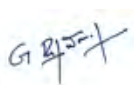


18th BOARD OF STUDIES MEETING
JUNE 12, 2021
ATTENDANCE DETAILS OF EXTERNAL MEMBERS

Name of the Board: B.Tech Fashion Technology & M.Tech Apparel Technology

S. No	Name	Designation as per UGC	Designation / Affiliation with full Contact Details	Digital Signature
1	Dr. P.Kandha Vadivu	Anna University Nominee	Professor and Head, Department of Fashion Technology, PSG College of Technology, Coimbatore - 641004 Email: vadivu67@yahoo.co.in Mobile: 9842213810	
2	Dr. Abhijit Majumdar	Subject Expert	Professor, Department of Textile and Fibre Engg. Indian Institute of Technology, Hauz Khaz, New Delhi – 110016. abhixtextile@rediffmail.com 99584 19188,+91-11-26581103	
3	Dr.Prabir Jana	Subject Expert	Professor & Head Research, National Institute of Fashion Technology Hauz Khas, Near Gulmohar Park, New Delhi- 110 016 e.mai.id: prabir.jana@nift.ac.in, Phone: 011-26867704, 9811372994	
4	Mr. Shailendra.KR. Nigam	Expert from Industry	Deputy General Manager, Jay Jay Mills, 10 KVP layout, Alangadu, Kuruvam palayam, Tirupur Tamil Nadu 641604 email.id: sknigam@jayjaymills.in	Present
5	Dr.Ketankumar Vadodaria	Special Invitee	Associate Senior Faculty, Textile Design, National Institute of Design Opposite Tagore Hall, Rajnagar Society, Paldi, Ahmedabad, Gujarat 380007. email.id: ketan_v@nid.edu, Mobile : 9677837921, 0-79-26629500	
6	Mr.A. Sethu	Special Invitee/ Industry	Master Linens INC Managing Director, A&M Compounds, SF No.:413/2 & 4, Sengalapuram, Thumbivadi Post, Aravakurichi, T.K.Karur -639 002. Email id: sethu@masterlinens.in Mobile No.: 9994932297	

S. No	Name	Designation as per UGC	Designation / Affiliation with full Contact Details	Digital Signature
7	Dr. R.Baskar	Special Invitee	Associate Professor Department of Bio Technology, Kumaraguru College of Technology, Coimbatore Mobile: 9894709273 Email: baskar.s.bt@kct.ac.in	
8	Ms. R. Niveda	Alumni Member-PG	Founder and Director Bliss Natural Pads 5/25 A 4 Ramakutty layout Koundampalayam, Coimbatore, Tamil Nadu 641030 nivi1606@gmail.com, M: 9566826636	
9	Ms. S.Keerthi	Alumni Member-UG	Store Manager H& M Hennes &Mauritz Pvt LTD Coimbatore -641 035 keerthiarunodhayam@gmail.com 8825722359.	
10	M.Srinithi/ Dikshika maleni/ Affiency.SR	Students from Super 60 & LC.- Special Invitee	17BFT022/ 17BFT045/20MAT001 Fashion Technology Kumaraguru College of Technology Coimbatore-641049 Email:srinithi.17ft@kct.ac.in dikshikamaleni.17ft@kct.ac.in PhNo: 9597075752, 8220580520, 8870136860	  



Bos Coordinator




BOS - Chairman

Department of Fashion Technology

Ref: FT - BOS Meeting – June 2021	
Meeting	18TH BOS Meeting - June 2021
Date / Time of meeting	12-06-2021 at 03.00 PM – 05.30 PM
Venue	Virtual Meeting - MS Teams
Panel Members	<ol style="list-style-type: none"> 1. Dr. P.Kandha Vadivu, Professor and Head, PSG Tech., Coimbatore 2. Dr. Abhijit Majumdar, Professor, IIT, New Delhi. 3. Dr.Prabir Jana, Professor and Head, NIFT, New Delhi. 4. Dr.Ketankumar Vadodaria, Associate Senior Faculty, NID, Ahmedabad 5. Mr. Shailendra.KR. Nigam, Deputy General Manager, Jay Jay Mills, Tiruppur. 6. Mr.A. Sethu, Managing Director, Master Linens INC 7. Dr. R.Baskar, Associate Professor and Head, Bio Tech., KCT 8. Ms. R. Niveda, Fashion Tech., Alumni Member-PG 9. Ms. S.Keerthi, Fashion Tech., Alumni Member-UG 10. M.Srinithi/ Dikshika Maleni/ Affiency.SR, Leadership Council/PG student

Faculty Attendance			
S. No	Name	Designation	Attendance
1.	Dr.G.Ramakrishnan,	Professor and Head	Present
2.	Dr.BhaarathiDhurai	Professor	Absent
3.	Dr.G.Rajkumar	Associate Professor	Present
4.	Dr.V.Krishnaveni	Associate Professor	Present
5.	Dr.S.Kavitha	Associate Professor III	Present
6.	Dr.V.NithyaPrakash	Associate Professor	Present
7.	Dr.R.Priyadharshini	Assistant Professor-II	Present
8.	Mr.S.Chandrakumar	Assistant Professor (Sr.G)	Present
9.	Dr.K.Prabu	Assistant Professor -II	Present
10.	Mr.A.Thambidurai	Assistant Professor-I	Present
11.	Mr.A.Arunraj	Assistant Professor -II	Present

G. Raju


DR. G. RAMAKRISHNAN
 Professor and Head
 Department of Fashion Technology
 Kumaraguru College of Technology
 Coimbatore - 641 044

BOS Coordinator

BOS - Chairman / HOD, Fashion Tech.



18TH BOARD OF STUDIES MEETING

Department: Fashion Technology

Program: B.Tech Fashion Technology

Venue: MS-Team

Date: June 12, 2021

Time: 03:00PM to 05:30 PM

AGENDA

1. Action Taken Report on Previous BoS Meeting
2. Introduction of New One Credit Courses / Programme Electives / Open Electives
Addition of New Lab Experiments in R2018 Courses
3. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
4. Targets for CO / PO for Academic Year 2021-22
5. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22
6. Members Recommendations for Implementing NEP 2020
7. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)
8. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery
9. Best Practices followed in (External) Member's Institutions
10. Any other matters (with the permission of Chairman, BoS)

BOS Coordinator

BOS - Chairman / HOD, Fashion Tech.



Department of Fashion Technology

MINUTES OF BOARD OF STUDIES MEETING

Department: Fashion Technology

Program: B.Tech Fashion Technology

Venue: MS-Team

Date: June 12, 2021

Time: 03:00PM to 05:30 PM

1. Welcome note and introduction of members by chairperson

Dr. G.Ramakrishnan, Professor & Head welcomed the panel members and introduced faculty members of the department. He also provided an overview about the department.

2. Action Taken Report on Previous BoS Meeting

Report of changes made in the curriculum/syllabi after reviewing the comments from experts during the 17th BoS held on 21st November 2020 was presented by BOS coordinator Dr.G.Rajkumar.

Suggestions by members: Accepted action taken report

3. Introduction of New One Credit Courses / Programme Electives / Open Electives

Addition of New Lab Experiments in R2018 Courses

On the basis of the feedback from the stakeholders the following one credit courses were proposed and presented for the BOS member's approval

- Flat sketch and design sheet development
- Sourcing sustainable fashion
- Leather garments
- Natural dyes
- introduction to industry 4.0
- E-Marketing

Suggestions by members: Approved for implementation in R18 UG

4. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods

The revised vision, mission and PEO was proposed and presented for the BOS Members approval.

Suggestions by members: Approved for implementation

5. Targets for CO / PO for Academic Year 2021-22

The revised targets were presented in the meeting by BOS Coordinator.

Suggestions by members: Approved for implementation

6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22

Suggestions by members: The panel was approved by the members.

7. Members Recommendations for Implementing NEP 2020

The highlights of the NEP 2020 were presented in the meeting by BOS coordinator.

Suggestions by members: Since NEP 2020 in the preliminary stage, the major highlights (Pros and Cons) of NEP 2020 was discussed. Research culture, skill gap should be identified at UG level.

8. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

The gaps in existing curriculum & syllabus and Suggestions for new curriculum & syllabi for Regulations 2022 (R2022) was discussed and detailed minutes given below.

Suggestions by members: The perceived gaps were discussed and members gave suggestion to bridge the gaps in the new regulation R2022.

9. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery

Suggestions by members: The upgradation of infrastructure / teaching aids was discussed at length and suitable suggestions were provided.

10. Best Practices followed in (External) Member's Institutions

Suggestions by members: Members listed all the best practices in their institute and the same was recorded.

11. Any other matters

Suggestions by members: The expert members appreciated the department efforts towards upgrading the curriculum and syllabus.

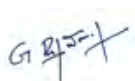
Detailed Minutes BOS Minutes- FT-BOS – June 12, 2021

Sl.No.	Suggestion by Members	Suggested by
1	Introduction of new one credit courses: flat sketch and design sheet development, sourcing sustainable fashion, leather garments, Natural dyes, introduction to industry 4.0, E-Marketing are the new one credit courses added in the R 2018 curriculum.	Stake holders and Members
2	<p>Vision and mission and PEO of the department is reviewed and accepted by experts. The revised vision, mission and PEO of the department is given below.</p> <p>Vision</p> <ul style="list-style-type: none"> ❖ Achieve excellence in academics and research and face the challenges of fashion and clothing industry <p>Mission</p> <ul style="list-style-type: none"> ❖ Develop core competencies with a curriculum encompassing design, manufacture, and management domains. ❖ Develop the competency of the faculty to the level of International repute through state-of-the-art infrastructure and facility, focus on research and up skilling. ❖ Stimulate analytical and creative thinking to transform the students as socially responsible, competent professionals, entrepreneurs, researchers useful to the society, through innovative teaching learning ❖ Promote collaborations with industry to comprehend global practices leading to excellence. <p>PEO</p> <p>PEO I : Excel in their professional career related to fashion, design, manufacturing, management and research</p> <p>PEO II : Identify problems in the apparel domain and provide techno- economic solutions focusing on the need of the industry and society</p> <p>PEO III: Imbibe awareness on the significance of professional and social ethics in their professional career</p> <p>The experts suggested innovative teaching and learning practices such as Video based questions, Hybrid mode (Classroom teaching and online), Q&A sessions during synchronous mode in online teaching. Videos can be given to the students in practical sessions to understand the concept better.</p>	All Experts
3	<p>The target percentage for course outcomes is increased to 65% for theory courses and 70% for practical courses and approved by members.</p> <p>Additional suggestions :</p>	

	CO/PO/PSO matrices for every course is definitely a good idea, however need to be cross checked. As in some cases common courses CO are showing M co-relation with PSO, which shouldn't be there in first place. The PSO seems little shallow should be more specific.	Dr.Prabir Jana
4	The experts approved the panel of examiners for question paper setting. The existing panel of question paper setters includes experts from some national institutes, research organizations and industries.	All members
5	Implementation of NEP 2020 : Multiple entry and exit can be permitted on genuine grounds such as medical reasons, to support family, etc. Pass percentage of the Institution will be affected due to multiple entry and exit; foresee management related issues. Learning outcomes of every year need to be reframed in such a way that if the student exits in any particular year, his education until that year of exit can fetch him jobs.	Dr.Prabir Jana
	Only Bachelor-Master integrated engineering programmes in IIT permit exit of students from bachelor course.	Dr. Abhijeet Majumdar
	Job-targeting curriculum Curriculum should be skill based to support certifications after assessment at the end of every year will be required. Directions from Anna University Implementation of NEP cannot be decided at the Institutional level and we have to wait for directions from Anna University.	Dr. P. Kandhavadi
6	Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022) <ul style="list-style-type: none"> • Include 1 or 2 fashion related courses in Semester 2 so that the students do not lose their connect with their specialization/department. • Presuming that lateral entry students will miss the courses of 1st year, do not dilute the courses offered to rest of 80-90% of regular students in Semester 1 and 2. • U18FTT3003: Pattern making and Adaptation Offer practical course; only theory will not be sufficient. • To overcome issue of credit distribution, combine theory of U18FTT3003: Pattern making and Adaptation and U18FTI3204: Garment Components Fabrication, and offer combined practical course for both these courses. • 18FTT4001: Fabric Formation Technology and U18FTI4204 Fabric Structure and Design cannot go parallel in the same semester. • Industrial Training: Seminars and sessions from industry experts organized during the Industrial training hours. 	Dr. P. Kandhavadi

	<ul style="list-style-type: none"> • Include CAD lab for Designing in the curriculum along with CAD for pattern making/ layout. 	
	<p>AICTE suggests basic engineering courses only until Semester 3.</p> <p>U18FTT3003: Pattern making and Adaptation</p> <p>Offer practical course; only theory will not be sufficient.</p> <p>Industrial Training: Videos from online resources are very helpful to engage students during this pandemic time.</p> <p>Projects:</p> <p>Encourage inter-college research</p>	Dr. Prabir Jana
	Develop basic engineering and reinforce knowledge on technology/mechanics, and offer one course like “Introduction to Fashion Technology”	Dr. Abhijeet Majumdar
	<p>Information about LOC, TT, export & import documentation, GST tax system, profit and loss statement should be included in the curriculum.</p> <p>In the communication course, we can add how to write Emails, Technical Project writing.</p> <p>Other than with advanced technology, we should always keep the focus on the basic of textile technology, As without Basics advance cannot work. This may come under Engineering Clinic Patch the industry-institute gap by exposing students to “ERP in Garment Industry” so that they are aware of the ERP functions when they visit an industry for Industrial Training.</p>	Mr. Shailendra. KR. Nigam
	<p>Industrial Training:</p> <p>Extended support in bringing experts to organize sessions/lecture during the Industrial Training hours for our students.</p> <p>Expert suggested to offer Industrial training in all semesters. It will be considered with the respective approval of authorities.</p>	Mr.A Sethu
	<p>More emphasis on Real-time Project based learning</p> <p>Building and enriching student profile by conducting “Master Class” for thrust areas such as Portfolio, CAD for Fashion, Fashion Imaging/Illustration and other courses should be provided.</p>	Ms. Srinithi, BTech FT (Final Year)
	<p>Functional clothing was offered as elective in UG Curriculum but it is one of the important course which connects fashion to technology where applied science plays a major role. So this course must be given much importance as other courses and not as an elective option.</p>	Ms. Dikshika Maleni BTech FT (Final Year)
	Retail front is closed due to pandemic. Online training sessions will benefit students who want to acquaint with retail marketing and sales.	Ms. Keerthi, Alumnus
	Experts suggested to train the students using open source softwares, fabric simulation softwares and designing softwares such as Corel draw and Adobe.	All experts
	Experts from NIFT can be brought inside for portfolio Subject. Portfolio are needed in many of the companies where students take designing as career. Portfolio making in NIFT is completely different and professional from the ones.	Niveda R Alumnus

	<p>Fashion Technology is a vast field where we can get into lot of industries. Its not just about garment factory or a boutique , there are lot of options which most of the time students are not aware off like technical textiles and medical textiles. If we can work on putting the options in front of students it will be of great help to them.</p> <p>As far as projects are concerned, Rather than comparisons of various datas, proper workable model or finished product has to be submitted as project with at least one paper published. Publication is given importance only in M.tech which should be given importance in UG itself.</p>	
7	<p>Best Practices: Experts suggested best practices followed in their institutes such as Hybrid mode (Classroom teaching and online), Theory now and practical later, MS Teams for Asynchronous mode, Q&A sessions during synchronous mode, Using Moodle to post study material, Flip lectures and Practical courses for conducting online with the help of videos.</p>	All experts



BOS Coordinator



BOS - Chairman / HOD, Fashion Tech.



KUMARAGURU
college of technology
character is life

MINUTES OF BOARD OF STUDIES MEETING

Department: Fashion Technology

Program: B.Tech Fashion Technology

Venue: Online mode

Date: 21.11.2020

Time: 11 AM to 1.30 PM

Members present

S. No	Name	Designation as per UGC	Designation / Affiliation with full contact details
1	Dr. G.Ramakrishnan	Chairperson	Professor & HOD, Department of Fashion Technology, Kumaraguru College of Technology, Coimbatore- 641049 Email: hod.ft@kct.ac.in Phone: 9842313921
2	Dr. G.Rajkumar/ Dr.D.Bhaarathidhurai BOS Coordinator(s) All Faculty Members	Members	Associate Professor, Department of Fashion technology, Kumaraguru College of Technology, Coimbatore- 641049 rajkumar.g.ft@kct.ac.in/ bhaarathidhurai.d.ft@kct.ac.in 9486127587/ 9600667755
3	Dr. P.Kandha Vadivu	Anna University Nominee	Professor and Head, Department of Fashion Technology, PSG College of Technology, Coimbatore -641004 Email: vadivu67@yahoo.co.in Mobile: 9842213810
4	Dr. Abhijit Majumdar	Subject Expert	Professor, Department of Textile and Fibre Engineering Indian Institute of Technology, Hauz Khaz, New Delhi – 110016. abhixtextile@rediffmail.com 99584 19188 +91-11-26581103
5	Dr.Prabir Jana	Subject Expert	Professor & Head Research, National Institute of Fashion Technology Hauz Khas, Near Gulmohar park, New Delhi- 110 016 e.mai.id: prabir.jana@nift.ac.in, Phone: 011- 26867704, 9811372994
6	Mr. Akhilesh Anand	Expert from Industry	Managing Director (Masters from NIFT) Carnation Creations Pvt Ltd 376, Mettupalayam Road,

			Narasimhanaickenpalayam, Tamil Nadu 641031 email.id: akhilesh@carnationworld.com , Mobile:99944 88226
7	Dr.Ketankumar Vadodaria	Special Invitee	Associate Senior Faculty, Textile Design, National Institute of Design Opposite Tagore Hall, Rajnagar Society, Paldi, Ahmedabad, Gujarat 380007. email.id: ketan_v@nid.edu, Mobile : 9677837921, 0-79-26629500
8	Mr. P. Sivakumar	Special Invitee	Assistant Professor- III Department of Textile Technology, Kumaraguru College of Technology, Coimbatore Mobile: 9360111577 Email: sivakumar.p.txt@gmail.com
9	Ms. Shruthi Mitha	Alumni Member-PG	Creative Head Advanced Clothing Concept, Coimbatore SLV Noble Embassy 145, Nava India Road, Peelamedu Coimbatore – 641004. sruthimitha@gmail.com M: 98946 46380
10	Ms. S.Keerthi	Alumni Member-UG	Store Manager H& M Hennes &Mauritz Pvt LTD Coimbatore -641 035 keerthiarunodhayam@gmail.com 8825722359.
11	M.Srinithi/ PL.Lakshmi	Students from Super 60 & LC.- Special Invitee	17BFT022/ 17BFT009 Fashion Technology Kumaraguru College of Technology Coimbatore-641049 Email: srinithi.17ft@kct.ac.in lakshmi.17ft@kct.ac.in PhNo: 9597075752, 7598547585

1. Welcome note and introduction of members by chairperson

2. Curriculum - balance of courses as per domain, pre-requisites

Suggestions by Members: All the experts appreciated the curriculum and syllabi after going through the same which was sent to them for review. Experts also mentioned that the modules are well balanced.

1. The topic linear programming should be included in in Industrial Engineering or in Production Planning and Control,
2. In Fibre Science, there should be specific mention of aramid and ultra-high molecular weight polyethylene fibres as there are subsequently being used in functional clothing.



Signature BoS Chairman,FT



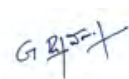
BoS Coordinator

Date 21.11.2020 Venue Online mode

3. In Environmental science and engineering, waste water treatment (primary, secondary and tertiary), zero liquid discharge should be included. The concept of life cycle analysis, HIGG Index etc. should also be included as these are now being used in the industry.
4. In apparel merchandising and cost management, following topics should be included
 - a. Absorption and variable costing
 - b. Capital budgeting methods (payback period, rate of return, and net present value) with their advantage and limitations.
5. In elective paper of fashion forecasting, there is module on fashion forecasting. However, there is no mention about the qualitative methods (Delphi etc.) and quantitative methods (linear regression, moving average, exponential smoothing, ARIMA etc.)
6. In the course of logistics and supply chain management, the following topics should be added
 - a. Lean and agile supply chain; Decoupling point
 - b. Aggregate forecasting and risk pooling
 - c. Cross-docking
 - d. Circular supply chain
7. Newer concepts like Industry 4.0, artificial intelligence, machine learning, circular supply chain is missing in the current curriculum. At least basic introduction of these topics is required which can be given in the existing courses.
8. NPTEL courses should be added as references for the following courses
 - Fabric formation technology
 - Knitting technology

Moreover, the following two books should be added as text books

- For Fabric formation technology Principle of Woven Fabric Manufacturing by Abhijit majumdar, CRC Press.
 - For Knitting technology: Principles of fabric formation by P. K. Banerjee, CRC press.
9. The PSO seems little shallow should be more specific
 10. CO/PO/PSO matrices for every course need to be cross checked. As in some cases common courses CO are showing M co-relation with PSO, which shouldn't be there in first place.
 11. Much more emphasis on applications of engineering and OR principles can be given rather than theory.



12. Students should be exposed to use of more and more software (especially open source software applications) to solve the industry problems
13. New engineering materials such as chromic materials, phase change materials and nano technology can be added in the core courses.
14. Introduction to technical textiles, sustainable textiles, life cycle assessment can be added in the core courses to give basic idea.
15. In fibre science, bio polymers and bio mimicking textiles can also be added.
16. Exposure to speed step software as a tutorial component can be added in apparel production planning and control.
17. Hands on training can be given to students using some software for time study in industrial engineering course. If possible separate lab can be developed for Industrial Engineering.
18. In portfolio presentation, two full portfolios up to garment construction can be given along with fit analysis using Lectra software.
19. Students can be provided brand analysis as an assignment or case study in Apparel brand management. Retail analytics can be added.
20. More exposure on different types of fabrics, its properties and applications as a new elective course along with resource lab can also be added.
21. A new course on smart apparels with an exposure on sensors and electro acting polymers can be given.
22. Exposure on designing softwares such as Photo shop, Adobe, illustrator can be given along with designing courses.
23. Elective courses such as Leather apparels, Jewellery designing and foot wears can be added in elective courses.
24. Apparel machinery and equipment lab can be added in curriculum to give exposure on apparel manufacturing machineries.

whether points incorporated or not. If not, reason

The comments are incorporated from 6th semester to 8th semester. All other comments (from semester 1 to semester 5) will be incorporated in the new regulation due to credit restrictions.

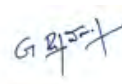
3. Syllabus - updation and relevance to industrial, career requirement

Suggestions by Members:

1. More industrial trips to be added, the concept of short term internship, long term internship and OJT [On The Job Training] must be encouraged. This can be done with industrial relation development program.
2. In six sigma one credit course, more technical calculation can be given instead of more theory part.
3. OTB planning should be included in **Apparel Retail Management** in 7th semester. Also can include Profitability in **Retail merchandising**, since merchandising is the heart of retail.



Dr. G. RAMAKRISHNAN
Professor & Head of Department of Fashion Technology
Sri Sankar College of Engineering
Kumbakonam, Tamil Nadu



4. There is only 1 subject on fashion, which is concept of Fashion and design. In which there's clarity for fundamentals and history, but to bridge the gap SUSTAINABLE FASHION can be added. As fashion engineers now and in the future the sole meaning of fashion will be intertwined with sustainability itself.
5. The course Fashion Marketing can be given as core course from elective with the topics sustainability along with fashion psychology.

whether points incorporated or not. If not, reason

The comments are incorporated from 6th semester to 8th semester. All other comments (from semester 1 to semester 5) will be incorporated in the new regulation due to credit regulation.

4. Course Delivery - Mode and effectiveness

Suggestions by Members: No change suggested.

whether points incorporated or not. If not, reason

5. Course Assessment - - Mode and effectiveness,

Suggestions by Members: No change suggested.

whether points incorporated or not. If not, reason

6. Infra requirement, upgradation

Suggestions by Members: After reopening of college in regular mode, industry expert suggested to visit to college and will offer comments on addition of infrastructure. As of now the existing is sufficient.

Indeed it is required, more digitization and apps need to be developed by students as a course curriculum.

Whether points incorporated or not. If not, reason

In engineering clinic more exposure is provided on app development.

7. Student's knowledge and skill development

Suggestions by Members: In engineering clinic, more exposure is provided on app development relevant to fashion and apparel and experts appreciated the course engineering clinic.

whether points incorporated or not. If not, reason : Not applicable.

8. Faculty and support faculty development / training

Suggestions by Members: More industrial exposure like training on industry 4 aspects and other latest developments can be offered for faculty.

whether points incorporated or not. If not, reason: Not applicable.

9. Faculty qualification/ specialisation - recommendation

Suggestions by Members:



G. R. Jeyaraj

Date 21.11.2020 Venue Online mode

Signature BoS Chairman, FT

BoS Coordinator

whether points incorporated or not. If not, reason: Will be considered in future.

G 2/5-1



KUMARAGURU COLLEGE OF TECHNOLOGY

Coimbatore- 641 049

Department of Fashion Technology

Minutes of the 16th Board of Studies held on 14.12.2018 from 10.00 AM to 4.00 PM

Members Present:

Mr.KPrabu	- Chairman, HOD (i/c)– Dept. of Fashion Technology, KCT
Dr. J. Srinivasan	- Prof. & HOD – Dept. of Textile Technology, KCT
Dr. G. Ramakrishnan	- Professor, Dept. of Fashion Technology, KCT
Dr.B.Bhaarathidhurai	- Professor, Dept. of Fashion Technology, KCT
Mr.C.S.Sentthilkumar	-- Associate Professor, Dept. of Fashion Technology, KCT
Dr. R. Shanthi	- Associate Professor, Dept. of Fashion Technology, KCT
Dr. G. Rajkumar	- Associate Professor, Dept. of Fashion Technology, KCT
Dr. V. Krishnaveni	- Associate Professor, Dept. of Fashion Technology, KCT
Mr. S. Chandrakumar	- Assistant Professor (SRG), Dept. of Fashion Technology, KCT
Dr. R. Priyadarshini	- Assistant Professor - II, Dept. of Fashion Technology, KCT
Mr. A. Thambidurai	- Assistant Professor - II, Dept. of Fashion Technology, KCT

Academic Experts

Dr. S. Subramanian	Associate Professor & Head i/c, Department of Textile Technology, Anna University, Chennai- 600025
Dr. N. M.Imayathamizan	Associate Professor Department of Textile Technology Anna University Chennai- 600025
Dr. Deepti Gupta	Professor/Department of Textile Technology Room No. : TX 128, Indian Institute of Technology, HauzKhas, New Delhi-110016
Dr.P.KandhaVadivu	Professor & Head, Department of Fashion Technology, PSG College of Technology, Avinashi Road, Peelamedu, Coimbatore

Industry Experts

Mr. G. Somasundaram	- Senior Manager, HR Learning & Development, Jockey India Page Industries Ltd, Bangalore -560 068
Mr. Amit Kumar Prasad	Director-Operations, PETEXX India,

Mr.S.Periasamy

No.48-Global Trade Centre –II Floor,
Kangeyam Road, Tirupur -641 604.
Technical Advisor,
NIFT-TEA Knitwear Fashion Institute
East of TEKIC, 163, Mudalipalayam, Tirupur

Mr Michael Rodrigues

Business Head,
Shakthi Knitting Private Limited
4/677, Shakthi Centre, Nochipalayam Road,
Veerapandi Post, Tirupur - 641 605

Alumni Invitee

Ms. V. Rudhra

Maliboo Boutique
407 A Raheja Enclave
Race Course Road, Coimbatore 641018
Ph: 9943387403
Email :rudhra_maliboo@yahoo.com

The Chairman welcomed the board members.

UG- B.Tech Fashion Technology

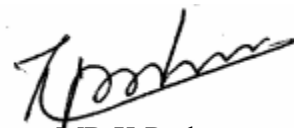
Regulation 2017 curriculum and syllabus from V to VIII , R18 (III and IV curriculum and syllabus were discussed and approved by the board. The following points are suggested by the experts.

- Experts suggested to provide more importance to lab component. They suggested to provide theory and lab component separately in embedded courses.
- Two hours lab should be extended to 4 hours (2 credits) for important lab courses.
- Experts suggested to give two open electives in the curriculum compulsorily.
- Engineering clinic can be made mandatory non credit course. Experts suggested to incorporate wearable electronics and other smart products can be included in engineering clinic.
- B.Tech programme should be lab intensive.
- Knitting and knitting garment construction can be given as embedded course with credit distribution 2 0 2 0 4 (or) 3 0 2 0 4 (L T P J C).
- One elective at least must be offered in the eight semester. Members suggested to add home textiles, intimate apparels, traditional Indian textiles and crafts, evolution of fashion industry or fashion business, Luxury or high fashion garments and boutique management as electives.
- Sustainability concepts to be included in the social science course.
- The courses on professional communication, industrial engineering, apparel merchandising and cost management should be shifted to 6th semester from seventh semester. The management courses Apparel retail management and apparel brand management should be moved to seventh semester.

- Portfolio Presentation I can be moved to 6th semester and portfolio presentation II should be shifted to 7th semester.
- Apparel production lab II can be moved to 5th semester from 6th semester.
- Weaving technology should be renamed as Fabric manufacturing Technology or Technology of fabric formation. The topics shuttle and shuttles weaving can be merged and non woven part to be added. Fabric defects can be included.
- Application of fancy yarns and functional yarns can be added in yarn technology. Sewing thread part can be removed.
- The credits for project distribution should be 3 credits in 7th semester (Phase I) and 6 credits in 8th semester (Phase II).
- The course discrete mathematics should be replaced by operation research in R17 regulation.
- Experts recommended to provide a course on Boutique management instead of digital marketing in electives.

Minutes of Meeting of M.Tech Apparel Technology

1. Academic Expert suggested introduction of new course Boutique Management which will include design, costing, marketing, finance and business plan.
2. Experts also suggested introduction of new courses Hi-Fashion Garments and Evolution of International Fashion Business.
3. P18ATT1002 - Sustainable Apparel Manufacture - last unit - Corporate Social Responsibility May be renamed as Certification for Compliance and CSR part maybe removed.
4. Circular Economy - a topic maybe added in the course P18ATE1008 - Fashion Entrepreneurship Management
5. Experts suggested removal of the following courses from list of electives
 - a. Textile composites
 - b. Nano Textiles
 Textile composites maybe replaced by Hi- Fashion Garments
6. Internship maybe removed and only project phase 1 and II to be retained. Total credits for project phase 1 and II should not to exceed 15
7. Open electives maybe offered for PG program.



-MR.K.Prabu
Chairman, BOS-Fashion Technology,
Kumaraguru College of Technology,
Coimbatore- 641 049



KUMARAGURU COLLEGE OF TECHNOLOGY

COIMBATORE- 641 049

(An Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF FASHION TECHNOLOGY

Ref:KCT/FT/BOS/MoM

Date:28.03.2018

MINUTES OF THE FIFTEENETH BOARD OF STUDIES MEETING

The Board of Studies meeting for Fashion Technology was held on March 28, 2018 at 10:00AM in Lecture Hall 107, KCT(BS). It was chaired by Prof. K.Prabu, Chairman – BoS for B.Tech. Fashion Technology and M.Tech Apparel Technology Programs. The following external and internal members were present.

External Members

1. Dr. S. Subramanian, Anna University Nominee (AUN), Associate Professor & Head i/c. Department of Textile Technology, Anna University, Chennai- 600025.
2. Dr. N. M. Imayathamizhan, Associate Professor, Department of Textile Technology, Anna University Chennai- 600025
3. Dr. Deepti Gupta, Professor/Department of Textile Technology, Room No. : TX 128. Indian Institute of Technology. Hauz Khas, New Delhi-110016
4. Dr.P.Kandha Vadivu, Professor & Head, Department of Fashion Technology. PSG College of Technology, Avinashi Road, Peelamedu, Coimbatore.
5. Mr.S.Periasamy, Technical Advisor, NIFT-TEA Knitwear Fashion Institute, East of TEKIC, 163, Mudalipalayam, Tirupur.
6. Mr Michael Rodrigues, Business Head, Shakthi Knitting Private Limited, 4/677, Shakthi Centre, Nochipalayam Road, Veerapandi Post. Tirupur - 641 605
7. Ms. V. Rudhra, Maliboo Boutique, 407 A Raheja Enclave, Race Course Road, Coimbatore 641018.

Internal Members

1. Prof..K Prabu, AP II & Head, Chairman – BoS
2. Dr. G. Ramakrishnan, Professor
3. Prof. C.S.Sentthil Kumar, Associate Professor
4. Dr. R. Shanthi, Associate Professor
5. Dr. G. Rajkumar, Associate Professor
6. Dr. V. Krishnaveni, Associate Professor
7. Prof. S.Kavitha, Assistant Professor – III
8. Prof..R.Varadaraju, Assistant Professor – III
9. Prof. S.Chandrakumar, Assistant Professor (Srg.)
10. Dr. R. Priyadarshini, Assistant Professor II
11. Prof. A. Thambidurai, Assistant Professor I

Internal Member- Textile Technology:

1. Dr. J. Srinivasan, Professor & Head (TXT)

Minutes, Suggestions and Updations

The Chairman informed that the meeting has been called to review the curriculum and syllabus of 2017 & 2018 Regulations of B.Tech. Fashion Technology and 2018 Regulation of M.Tech. Apparel Technology. The following points were discussed during the meeting:

1. The Chairman presented the unique features of R17 and R18 curriculum along with the credit distributions. The introduction of streams in R18 was proposed to the members. The curriculum and syllabus have been framed based on the curriculum given by AICTE.
2. Initially, the members advised that not to present the curriculum of 2017 though it was already been discussed & suggestion were given and approved during the last 14th BOS. But after mentioning that the syllabus issued to the students were for one year i.e the 1st & 2nd semester of R2017, so to match the uniqueness of R2018 with R2017, the 3rd to 8th semesters of R2017 were balanced to get an uniform curriculum for both the regulations. Then the members accepted and started to give their suggestions to improve the curriculum and syllabus.

The following points were discussed for Regulation 2018.

The following Amendment has been recommended during the BOS meeting in the Syllabi of B.Tech Fashion Technology under CBCS 2018 Regulation.

General Suggestions:

1. As we proposed in that curriculum that foreign language is incorporated in 7th semester. The members suggested that it may be given in the I and II semesters instead of VII semester. And also, it may be given as additional to the interested students.
2. Members suggested that In-plant training is mandatory. It has been included in the curriculum as 1 credit course. We offered the students after completion of IV semesters they should go for an In-plant training for minimum 21 Days and they are submitting training manual to the department.
3. Members asked to remove the C program from the I semester. We have requested that many of the students have chosen their carrier in IT field and the course is coming under ES. The members have accepted. But the python program though the students supposed to attend them in the engineering clinic, members asked to remove the course and asked to concentrate more on core subjects. Both the courses are mandatorily added in the curriculum in R18 to support for engineering clinic courses without affecting the core courses.
4. Members suggested that Human Excellence should be non-credit subjects. We have included the HE courses as non-credited compulsory courses in R17 & R18 curriculums.
5. As per the 14th BOS and Current feedback the tutorial hours, they have suggested to add 2 hours for 1 credit, and from DOA, Dr. Stephen explained that there is additional hours were provided more than 15 hours to accommodate if there is any need of additional tutorial hours requirement in the classes. Members observed and accepted the same.
6. Members suggested that to eliminate more number of maths courses and asked to remove numerical method subject from III semester in R2018. Instead of numerical method course they suggested to add material science related course.
7. They suggested to introduce basis of electrical and Electronics engineering course in III semester R2018. As per the suggestion we have added the same. And basic Mechanical course also. It has been included.
8. The assessment methods for engineering clinics were asked by the expert members. It is project based and will be evaluated on project basis.

Suggestions about Core:

- Fibre science course shown as single by combining together of Fibre Science and Yarn Technology. Members advised to keep them into two courses. Have done accordingly.
- Members suggested to keep the Industrial Engineering course in the professional core instead on elective. It is kept in the core both in R17 & R18 at VI sem.
- As a management subject Apparel Merchandising and Costing may be included. As per the advice from the members, the content from the costing related to apparel are taken and included in merchandising syllabus. And new curriculum as Apparel Merchandising and Cost Management is added.
- Apparel production planning and control course content should modified
- Combined Pattern Making and Basic Garment making are separated as per the Expert member's advice.
- Fabric Technology is projected as a combined subject with Weaving and Knitting. As per the member's comments, both are again separated into two courses and adopted.
- Members suggested to introduce apparel sizing and fit analysis, body scanning and anthropometric measurement, body scanning and product development, Fitting and fitting analysis. The idea is taken and based on the possibility, few of the contents have taken and added in the clothing since and fit course.
- The course related to trims may be given as one credit course. Members asked us to reduce the credits given for the course Garment Trims and Accessories.
- Members asked to make Engineering clinics more relevant to core area. We informed that the clinics will help in making projects related to core areas on working with interdepartmental activities with the Engineering clinic practices.
- In next board of studies meeting agenda, action taken report of last meeting , the subject inclusion or deletion should be presented to the panel.
- Members advised to increase more engineering and core components in the curriculum. As per the expert's advice and with the allocation of ratio of the AICTE we have allotted the curriculum to accommodate all the components with respect to the expectations of needs of Industries, AICTE norms, Expert's Advice and to the expectations of the stakeholders.

PG -- M.Tech Apparel Technology,


Regulation 2018

Minutes for the PG R2018 & Action taken report

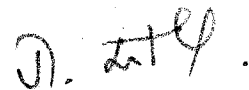
S. No	Comments from Experts	Action Taken
1	Project Work and Study Abroad should be separate	Study abroad / internship optional
2	Advanced Finishing Technology may be replaced with Technology of Apparel Finishing	Nomenclature changed to Technology of Apparel Finishing Surface Modification added
3	Elective III change to Elective – II Electives can be opted from Textile Technology	Elective grouping removed and made as single list Options for sharing electives with Textile Technology to be explored
4	Lab component to be removed from embedded courses	Lab component retained in embedded courses to enhance practical knowledge
5	Industrial Training with 1 credit should given in Semester III with minimum duration of 14 day	Internship is facilitated from III Semester
6	Put Project Work (Phase II) and Protosem maybe included	Project work/ study abroad / internship abroad or in industry are made optional
7	Pre-requisite maybe removed	Pre-requisites removed
8	Fashion Communication maybe embedded	Fashion Communication modified as Fashion Communication and Product Development and made as embedded course with practical component
9	Protective Clothing syllabus to be modified	Protective Clothing is modified with addition of evaluation Medical and Sports Apparels combined as single course
10	References to be included in Mechanics of Apparel Machinery	References added
11	Nano Textiles maybe dropped	Retained as there is sufficient application in apparel industry
12	Financial and Human Resource Management, ISO, Lean Management, Compliances and Standards are to be clubbed under New Concepts in Management.	Financial and Human Resource Management is part of Fashion Entrepreneurship Management Lean and Compliance are retained as separate subjects in the context of career opportunities
13	One credit course – Implementation of Six Sigma in Apparel Industry may be removed	All one credit courses dropped for PG program

Dr. G.Ramakrishnan, Professor/ Head TIFAC-CORE thanked all the members for their suggestions and substantial inputs provided in the meeting. The Chairman requested the internal members to take up the changes immediately and submit the final version as soon as possible for forwarding to external members and assured that the draft minutes will be sent through email to all external members for their comments/approval.

The meeting concluded by 4:00 PM.



K. Prabu
Chairman BoS
HOD i/c, Department of Fashion Technology



Principal
Kumaraguru College of Technology



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and
Accreditation Council)

GRADE
A++

Information Science and Engineering



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and Accreditation Council)

GRADE
A++

Information Science and Engineering

Sl. No.	Date of Board of Studies meeting
1.	04.02.2023
2.	07.07.2022
3.	18.12.2021
4.	05.06.2021
5.	21.11.2020
6.	08.12.2018
7.	17.02.2018



Department Board of Studies Meeting Minutes

Department: Information Technology

Program: B.Tech

Venue: Online –MS Teams

Date: 04.02.2023

Time: 2:30PM

AGENDA

1. Welcome and introduction of members by Chairperson.
2. Addition of new 2-credit courses / New Lab Experiments in 2018 courses.
3. Targets for CO / PO for Academic Year 2022-23.
4. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2022-23.
5. Member's deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2023 (R2023).
6. Member's inputs towards upgradation of infrastructure /teaching aids to aid content delivery.
7. Any other matters (with the permission of Chairman, BoS)



Department Board of Studies Meeting Minutes

Department:Information Technology

Program:B.Tech.

Venue: Online –MS Teams

Date:04.02.2023

Time: 02:30 PM

1. Welcome note and introduction of members by chairperson

The 21stBoard of Studies meeting for Information Technology department was held on 4th February 2023 at 02:30 PM in MS Teams. The meeting was chaired by Dr.M.Alamelu, Chairperson – BoS for B.Tech. (Information Technology) programme.

Internal & External Members

S.No.	Name & Designation	
1.	Chairperson	Dr. M.Alamelu, ASP & HOD
2.	Anna University Nominee	Dr. N.K.Karthikeyan, Professor & HoD, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore
3.	Academic Expert	Dr.P.Bhagavathi Sivakumar, Associate Professor, Computer Science School of Engineering, Amrita University, Coimbatore
4.		Dr.T.S.Pradeep Kumar, Associate Professor School of Computer Science and Engineering,VIT, Chennai
5.		Dr.C.Mala, Professor, Department of Computer Science and Engineering, National Institute of Technology, Tiruchirappalli
6.	Industry Expert	Mr. Vidhya Prakash Sivashanmugam, Systems Development Manager, Amazon, Hyderabad
7.		Mr.Prakash Subramaniam Principal Consultant, Thought Works Coimbatore
8.	2-credit course Coordinators of First Year.	Dr. T.Rajesh, IEP Solutions
9.		Ms S. Rajalakshmi AP-II/Civil, KCT
10.	Special Invitee	Dr.L.Latha, Professor/CSE, KCT
11.	Alumni	Mr. K. Dhandapani, Senior Associates Robert Bosch, Coimbatore
12.	BoS Coordinator	Dr. V. Vanitha, Prof /IT
13.	Faculty Representatives	Dr. N. Rajathi, Prof/IT
14.		Dr. P. C. Thirumal, ASP/IT
15.		Ms. S. Sathyavathi, AP(SRG) /IT
16.		Ms. P. Shenbagam, AP - II /IT
17.		Ms. S. Kavitha, AP - II/IT
18.		Mr. S. Kanagaraj, AP - II /IT
19.		Ms. G. PremaArokia Mary, AP-II/IT
20.		Mr. M.Vivek Anand, AP-II/IT
21.	Student Representatives	Ms.K.Sruthiand, Mr.P.Tamilselvan B.Tech/IT



2. Presentation on Vision, Mission, PEO, PO and PSO

- Chairman presented the agenda, department vision, mission, and Programme Educational Objectives, Program outcomes and the action taken report of the previous BOS meeting.

3. Curriculum and Syllabus - balance of courses as per domain-requisites

- Dr. Rajesh presented the syllabi of the new courses for approval.
- The committee approved the below three 2-credit courses for the first year in 2018 curriculum.

S.No	Course Code	Course Name
1	U18ITR0001	Fundamentals of Digital Design
2	U18ITR0002	Mobile App Development Using MIT
3	U18ITR0003	Software Entropy

- Dr. N.K.Karthikeyan suggested to change the title of “Mobile App Development using MIT” as Mobile App development.
- Dr.T.S.Pradeep Kumar suggested to include the content for IOS app development in the Course U18ITR0002 as MIT scratch is only for Android App development. Dr. Rajesh said that latest version of MIT also supports the IOS app development.
- Dr.C.Mala suggested to include Latex tool in the course “U18ITR0003-Software Entropy”.
- Dr.P.Bhagavathi Sivakumar suggested to change the title for the course “Fundamentals of Digital Design” as the course content covers the visual design.
- All the expert members suggested to change the course title of “Software Entropy”.

4. Course Delivery - Mode and effectiveness: NIL



5. Targets for CO / PO for Academic Year 2022-23:

CO/PO/PSO	Target Level
PO1 – PO5	Level 2
PO6 – PO12	Level 2
PSO1 – PSO3	Level 2
CO (Embedded courses)	Level 2
CO (Theory courses)	Level 1
CO (Elective courses)	Level 2

CO/PO/PSO Target	Level
85% and above	Level 3
70% and above	Level 2
60% and above	Level 1

6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2022-23:

- The committee approved the existing panel list

7. Course Assessment - Mode and effectiveness -NIL


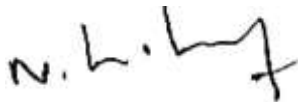
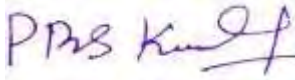

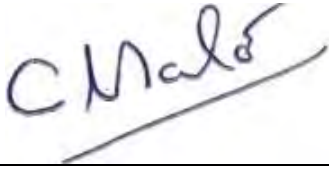

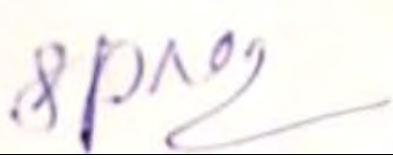
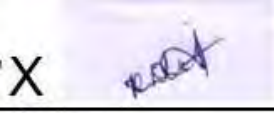
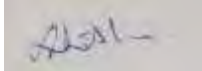
8. Infra requirement, upgradation –NIL

9. Student's knowledge and skill development - NIL

10. Faculty and support faculty development / training - NIL

11. Faculty qualification/ specialization – recommendation –NIL



S.No	Members	Signature
1	Dr.M.Alamelu, ASP &HoD	
2	Dr.N.K.Karthikeyan, Professor &HoD, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore	
3	Dr.P. Bhagavathi Sivakumar, Associate Professor Computer Science School of Engineering, Amrita University, Coimbatore	
4	Dr.T. S. Pradeep Kumar, Professor, School of Computer Science and Engineering, VIT, Chennai	
5	Dr.Mala, Professor, Department of Computer Science and Engineering, National Institute of Technology, Tiruchirappalli	
6	Mr. Vidhya Prakash Siva Shanmugam, Systems Development Manager, Amazon, Hyderabad	
7	Mr. Prakash Subramaniam Principal Consultant, Thought Works Coimbatore	
8	Mr. K. Dhandapani, Senior Associate, Robert Bosch, Coimbatore	 Dhandapani K
9	Dr.L.Latha, Professor/CSE, KCT	

Distribution

1. All members-with request to give their comments on the minutes
2. Convener

Copy for kind information.

1. Chairman-Academic Council and Principal
2. Correspondent
3. Joint Correspondent



MINUTES OF BOARD OF STUDIES MEETING

Department: Information Science and Engineering

Program: UG

Venue : Virtual (Microsoft Teams)

Date : 07.07.2022

Time : 3 PM to 3.30 PM

AGENDA

1. Introduction of Common Electives
2. Protosem – ISE course Mapping
3. Any other matter (with the permission of Chairman, BoS)



MINUTES OF BOARD OF STUDIES MEETING

Department : Information Science and Engineering

Program: UG

Venue : Virtual (Microsoft Teams)

Date : 07.07.2022

Time : 3.00 PM to 3.30 PM

The fifth Board of Studies meeting for Information Science and Engineering programme was conducted on July 7th, 2022 between 3.00 pm and 3.30 pm in virtual mode on Microsoft Teams platform. Mr.U.Thiruvaazhi, Head of the department, Information Science and Engineering welcomed all the Board of Studies External and Internal Members. Dr.R.Kalaiselvi, BoS Coordinator of Information Science and Engineering presented the agenda points.

External Members

1. Dr.N.K. Karthikeyan, Professor and Head, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore
2. Dr.P.Bhagavathi Sivakumar, Associate Professor, Computer Science, School of Engineering, Amrita University, Coimbatore
3. Dr.T. S. Pradeepkumar, Professor, School of Computer Science and Engineering, VIT, Chennai
4. Dr.C.Mala, Professor, Department of computer Science and Engineering, National Institute of Technology, Tiruchirappalli
5. Mr.Prakash Subramaniam, Principal Consultant, Thought Works, Coimbatore
6. Mr. K. Dhandapani, Senior Associates, Robert Bosch, Coimbatore
7. Mr.S.Sasi Kesavan, Software development Engineer, Amazon, USA

Internal Members

1. Dr. M. Alamelu, Associate Professor & Head - IT – Chairperson
2. Dr.L.Latha, Professor, CSE
3. Mr. U. Thiruvaazhi, HoD Incharge, ISE
4. Dr. D. Chandrakala, Professor/ISE
5. Dr. R.Kalaiselvi, Assistant Professor-III/ISE
6. Mr. F M Mohammed Farooq Abdulla - II/ISE
7. Ms. G. Krishna Priya, Assistant Professor – II/ISE
8. Mrs.G.Shobana, Assistant Professor-I/ISE
9. Mrs. K.Saranya, Assistant Professor-I/ISE
10. Mr. M. Sathish, Associate Professor-I/ISE
11. Ms. N M.Gokila, Student, ISE
12. Mr. P.Dinesh, Student, ISE
13. Mr. R.Darshan, Student, ISE

Points Discussed

1. Introduction of New Professional Elective and Open Elective

As part of MoU of KCT with Course 5i (A data analytics focused company in the IT industry), two new common elective courses have been designed for all department students. These are planned to be offered by Course 5i to students from across all branches (seeking career opportunities in Data Analytics) through the placement office under

Regulation 2018. Both these courses are open to all departments including circuit and non-circuit branches of engineering and the details as per syllabus attached.

The Board Members suggested slight changes to the title of the courses and as per suggestion from Anna university nominee Dr. N.K. Karthikeyan, the two courses as per syllabus attached were accepted and passed by the BoS with following course names:

- i). U18ISTO001 - Applied ML Engineering Basics
- ii). U18ISTO002 – Advanced Applied ML Engineering

2. Approval of ProtoSem – ISE course mapping.



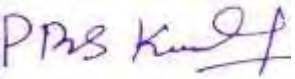

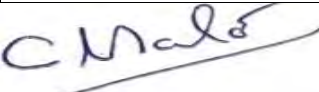

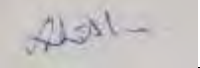


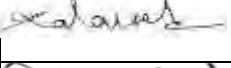
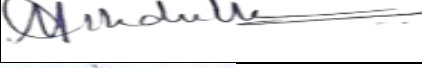
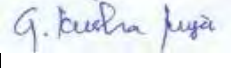


The following protosem course mapping was presented for suggestions and got approved by BoS members.

Mapping with ProtoSem 21.1 Syllabus and Curriculum

Courses Registered in the Current/ Upcoming Semester			Course taken in ProtoSem, Mapped to different Semesters		
Course Code	Course Title	C	Course Code	Course Title	C
6th Sem		20	Mapped ProtoSem Courses		23
U18ISI6204	Machine Learning Techniques	4	U18ISPS29	ML/MLOps	4
U18IST6002	Cryptography and Network Security	3			
U18ISI6203	Internet and Web Programming	4	U18ISPS24	Coding for Innovators	4
U18ISE----	Programme Elective III	3	U18ISPS25	Prototype Development	3
U18ISE----	Professional Elective - IV – U18ISE015 - Data mining	3	U18ISPS28	Data Life Cycle Management	3
U18OE----	Open Elective	3	U18ISPS11	Applied Design Thinking	3
7th Sem		16			
U18IST7001	Information Storage and Retrieval	3			
U18ISI7202	Data Visualization	4			
U18ISE----	Programme Elective V	3	U18ISPS23	Computational Hardware	3
U18ISE----	Programme Elective VI	3	U18ISPS17	Startup Fundamentals	3
U18ISP7703	Project Phase-I	3			
8th Sem		12			
U18ISP8701	Project Phase-II	12			

Mapping with ProtoSem 22.1 Syllabus and Curriculum

Courses Registered in the Current/ Upcoming Semester			Course taken in ProtoSem, Mapped to different Semesters		
Course Code	Course Title	C	Course Code	Course Title	C
6th Sem		20	Mapped ProtoSem Courses		23
U18ISI6204	Machine Learning Techniques	4	U18ISPS29	ML/MLOps	4
U18IST6002	Cryptography and Network Security	3			
U18ISI6203	Internet and Web Programming	4	U18ISPS24	Coding for Innovators	4
U18ISE----	Programme Elective III	3	U18ISPS25	Industrial Design & Rapid Prototyping Techniques	3
U18ISE----	Professional Elective - IV – U18ISE015 - Data mining	3	U18ISPS28	Data Life Cycle Management	3
U18OE----	Open Elective	3	U18ISPS11	Applied Design Thinking	3
7th Sem		16			
U18IST7001	Information Storage and Retrieval	3			
U18ISI7202	Data Visualization	4			
U18ISE----	Programme Elective V	3	U18ISPS23	Computational Hardware	3
U18ISE----	Programme Elective VI	3	U18ISPS17	Startup Fundamentals	3
U18ISP7703	Project Phase-I	3			
8th Sem		12			
U18ISP8701	Project Phase-II	12			

S.No	Members	Signature
1	Dr.M.Alamelu, ASP & HoD	
2	Dr.N.K.Karthikeyan, Professor & HoD, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore	
3	Dr.P. Bhagavathi Sivakumar, Associate Professor Computer Science School of Engineering, Amrita University, Coimbatore	
4	Dr.T. S. Pradeep Kumar, Professor, School of Computer Science and Engineering, VIT, Chennai	
5	Dr.C.Mala, Professor, Department of Computer Science and Engineering, National Institute of Technology, Tiruchirappalli	
6	Mr. K. Dhandapani, Senior Associate, Robert Bosch, Coimbatore	 Dhandapani K
7	Dr.L.Latha, Professor/CSE, KCT	
8	Mr. U. Thiruvaazhi, Head Incharge, ISE, KCT	
9	Dr. D. Chandrakala, Professor/ISE, KCT	
10	Dr. R.Kalaiselvi, BoS Coordinator/ISE, KCT	
11	Mr. F M Mohammed Farooq Abdulla - II/ISE, KCT	
12	Ms. G. Krishna Priya, Assistant Professor – II/ISE, KCT	
13	Mrs.G.Shobana, Assistant Professor-I/ISE, KCT	
14	Mrs. K.Saranya, Assistant Professor-I/ISE, KCT	
15	Mr.M.Sathish, Assistant Professor-I/ISE, KCT	---
16	Ms. N M. Gokila, Student, ISE, KCT	---
17	Mr.R.Darshan, Student, ISE, KCT	---
18	Mr.P.Dinesh, Student, ISE, KCT	---

Copy To: Principal, Dean Academics, CoE, all DoAs, Head Autonomous



MINUTES OF BOARD OF STUDIES MEETING

Department: Information Science and Engineering **Program:** UG
Venue : Virtual (Microsoft Teams) **Date :** 18.12.2021
Time : 11 AM to 12 Noon

AGENDA

1. Action Taken Report on Previous BoS Meeting
2. Introduction of New One Credit Courses / Programme Electives / Open Electives
3. Addition of New Lab Experiments in R2018 Courses
4. Stakeholder's feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
5. Targets for CO / PO for Academic Year 2021-22
6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22
7. Members Recommendations for Implementing NEP 2020
8. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)
9. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery
10. Best Practices followed in (External) Member's Institutions
11. Any other matters (with the permission of Chairman, BoS)



**MINUTES OF BOARD OF STUDIES
MEETING**

Department : Information Science and Engineering **Program:** UG
Venue : Virtual (Microsoft Teams) **Date :** 18.12.2021
Time : 11 AM to 12 Noon

The fourth Board of Studies meeting for Information Science and Engineering programme was conducted on December 18, 2021 between 11 am and 12 Noon in virtual mode on Microsoft Teams platform. Dr.R.Kalaiselvi, BoS coordinator of the department of Information Science and Engineering welcomed all the Board of Studies External and Internal Members and made the presentation of B.E. ISE Program.

External Members

1. Dr.N.K. Karthikeyan, Professor and Head, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore
2. Dr.P.Bhagavathi Sivakumar, Associate Professor, Computer Science, School of Engineering, Amrita University, Coimbatore
3. Dr.T. S. Pradeepkumar, Professor, School of Computer Science and Engineering, VIT, Chennai
4. Dr.C.Mala, Professor, Department of computer Science and Engineering, National Institute of Technology, Tiruchirappalli
5. Mr.Prakash Subramaniam, Principal Consultant, Thought Works, Coimbatore
6. Mr. K. Dhandapani, Senior Associates, Robert Bosch, Coimbatore
7. Mr.S.Sasi Kesavan, Software development Engineer, Amazon, USA

Internal Members

1. Dr. M. Alamelu, Associate Professor & Head - IT – Chairperson
2. Mr. U. Thiruvaazhi, HoD Incharge, ISE
3. Dr. D. Chandrakala, Professor/ISE
4. Dr. M. Suguna, Associate Professor/ISE
5. Dr. R.Kalaiselvi, Assistant Professor-III/ISE
6. Mr. F M Mohammed Farooq Abdulla - II/ISE
7. Ms. G. Krishna Priya, Assistant Professor – II/ISE
8. Mrs.G.Shobana, Assistant Professor-I/ISE
9. Mrs. K.Saranya, Assistant Professor-I/ISE
10. Dr. L. Latha, Professor/CSE
11. Ms. A Sasireha, Student, ISE
12. Ms. J.Hemashree , Student, ISE

Points Discussed

1. Action Taken Report on Previous BoS Meeting

S. #	ITEMS	ACTION TAKEN
1	Usage of tools	Appropriate tools like Google colab, Wireshark, Tableau, Webgoat, Burp suite, Jenkin, etc
2	It was recommended to focus on internships, industry connect and more practical experience.	Currently around 21 / 63 of final Year ISE have undergone internship and the next batch has got internship offers which they will utilize in by Summer of 2022
3	More importance for embedded course's lab components.	In addition to the regular embedded courses which has lab components stated specifically in the syllabus, even other courses marked theory has practical assignments or other appropriate kinds of experiential learning component.
4	The committee suggested to incorporate more security and privacy related courses as core courses in R22 curriculum as the PSOs focus on information security and information privacy.	We have Security and Privacy related courses as an elective now. Some of them will be made as core in the upcoming curriculum
5	It was recommended to offer electives(Science, Mathematics and Humanities subjects) option for students from the first year itself	Language electives have been offered by School of Foundational Sciences in the second semester to first year students in addition to the regular courses. For Semester 5 and 6, the same is made available in the form of open electives (offered institutionally across different departments) in the areas of Science, Mathematics and Humanities.
6	It was suggested to give a foundation course about the ISE programme in the 1 st or 2 nd Semester, itself so that the students will be aware about the focus of the programme	During the Induction program for first year students, the necessary ISE Program foundations, design and options has been provided to students. The upcoming curriculum will be upgraded with a full course on foundations of information theory.
7	Industry members can be added as a member of the review panel for final year project problem formation from 6th semester itself.	Industry mentors have been added as the review member for project phase I onwards

2. Introduction of New Professional Elective and Open Elective

- The committee approved the new Professional elective “Mobile Application Development” and Open Elective “Data Visualization using Tableau”

3. Addition of New Lab Experiments in R2018 Courses

- All the experiments in the existing syllabus will be followed as such.

4. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods

The Board approved the continuation of the existing PEOs, PSOs, Vision, Mission and Teaching / Learning / Assessment Methods

5. Targets for CO / PO for Academic Year 2021-22

- Planning to maintain the existing targets for this academic year.

6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22

- The panel member list was submitted and approved.

7. Members Recommendations for Implementing NEP 2020.

The members were fine with institutional mechanisms for discussing and implementing NEP 2020

8. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

- Dr.P.Bhagavathi Sivakumar suggested to consider utilizing the resources available in the following link: <https://legallaffairs.nalsar.ac.in/> for mandatory course on Indian Constitution
- Dr. T.S.Pradeep Kumar suggested to have some periodic practice on competitive coding skills development by using appropriate service providers like HackerRank
- Mr.S.Sasi Kesavan suggested to use tools like Kotlin in future syllabus of courses related to Mobile Application Development.
- Dr.P.Bhagavathi Sivakumar suggested that to bring in provisions in the curriculum for students to have a credit bank by doing additional courses that they are interested in (MOOC or other) so that they can use that for some kind of additional certification / specialization etc... as appropriate.

9. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery


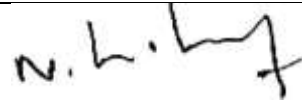
- Dr.P.Bhagavathi Sivakumar observed that the presented course delivery and assessment methodologies are good and the same can be implemented going forward.

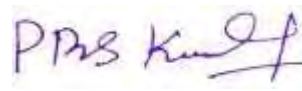

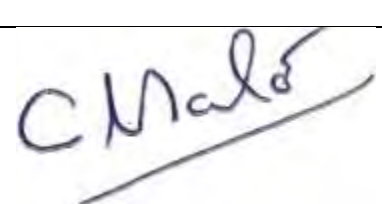



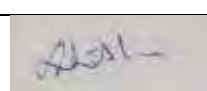

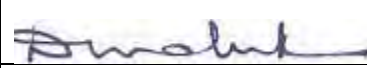

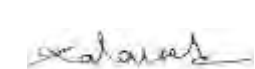
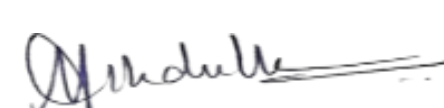
10. Best Practices followed in (External) Member's Institutions

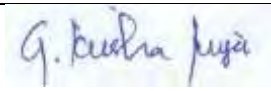


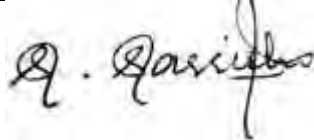
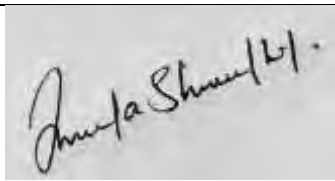
The members observed that this relatively new ISE program, its structure and syllabus is good. They asked us to go ahead in implementation of the same and attain the outcomes.

11. Any other matters (with the permission of Chairman, BoS)

The members unanimously suggested that some credits be awarded to online MOOC courses. The same will be taken up for discussion on the upcoming regulation and will be incorporated in the next curriculum as appropriate.

S.No	Members	Signature
1	Dr.M.Alamelu, ASP & HoD	
2	Dr.N.K.Karthikeyan, Professor & HoD, Department of Information Technology,	

	Coimbatore Institute of Technology, Coimbatore	
3	Dr.P. Bhagavathi Sivakumar, Associate Professor Computer Science School of Engineering, Amrita University, Coimbatore	
4	Dr.T. S. Pradeep Kumar,Professor, School of Computer Science and Engineering, VIT, Chennai	
5	Dr.C.Mala, Professor, Department of Computer Science and Engineering, National Institute of Technology,Tiruchirappalli	
6	Mr. Vidhya Prakash Sivashanmugam, Systems Development Manager, Amazon, Hyderabad	
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14	Mr. F M Mohammed Farooq Abdulla - II/ISE	

15	Ms. G. Krishna Priya, Assistant Professor – II/ISE	
16	Mrs.G.Shobana, Assistant Professor-I/ISE	
17	Mrs. K.Saranya, Assistant Professor-I/ISE	
18	Ms. A Sasireha, Student, ISE	
19	Ms. J.Hemashree, Student, ISE	

Copy To: Principal, Dean Academics, CoE, all DoAs, Head Autonomous



**MINUTES OF BOARD OF STUDIES
MEETING**

Department: Information Science and Engineering **Program:** UG
Venue : Virtual (Microsoft Teams) **Date :** 5.6.2021
Time : 12 PM to 1 PM

AGENDA

1. Action Taken Report on Previous BoS Meeting
2. Introduction of New One Credit Courses / Programme Electives / Open Electives
3. Addition of New Lab Experiments in R2018 Courses
4. Stakeholder's feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
5. Targets for CO / PO for Academic Year 2021-22
6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22
7. Members Recommendations for Implementing NEP 2020
8. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)
9. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery
10. Best Practices followed in (External) Member's Institutions
11. Any other matters (with the permission of Chairman, BoS)



**MINUTES OF BOARD OF STUDIES
MEETING**

Department : Information Science and Engineering **Program:** UG
Venue : Virtual (Microsoft Teams) **Date :** 5.6.2021
Time : 12 PM to 1 PM

The third Board of Studies meeting for Information Science and Engineering programme was conducted on June 5, 2021 between 12 pm and 1.00 pm in virtual mode on Microsoft Teams platform. Dr.R.Kalaiselvi, BoS coordinator of the department of Information Science and Engineering thanked the chairperson BoS of IT and joined her in welcoming all the external and internal members for the meeting. The following external members, internal members and student representatives attended the meeting.

External Members

1. Dr.N.K. Karthikeyan, Professor and Head, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore
2. Dr.P.Bhagavathi Sivakumar, Associate Professor, Vice Chairperson - Computer Science, School of Engineering, Amrita University, Coimbatore
3. Dr.T. S. Pradeepkumar, Associate Professor, School of Computer Science and Engineering, VIT, Chennai
4. Dr.C.Mala, Professor, Department of computer Science and Engineering, National Institute of Technology, Tiruchirappalli
5. Dr.Sivaselvan B, Associate Professor, Department of Computer Science and Engineering, Indian Institute of Information Technology, Design and Manufacturing, Kanchipuram
6. Mr. Vidhya Prakash Sivashanmugam, Systems Development Manager, Amazon, Hyderabad
7. Mr.Prakash Subramaniam, Principal Consultant, Thought Works, Coimbatore
8. Mr. K. Dhandapani, Senior Associates, Robert Bosch, Coimbatore
9. Mr.S.Sasi Kesavan, Software development Engineer, Amazon, USA

Internal Members

1. Dr.D.Saravanan, Principal, KCT
2. Dr. M. Alamelu, Associate Professor & Head - IT - Chairperson
3. Dr. D. Chandrakala, Professor/ISE
4. Dr. M. Suguna, Associate Professor/ISE
5. Dr. R.Kalaiselvi, Assistant Professor-III/ISE
6. Mrs. K.Saranya, Assistant Professor-I/ISE
7. Mr. F M Mohammed Farooq Abdulla - I/ISE
8. Dr. L. Latha, Professor/CSE
9. Ms. A Sasireha, Student, ISE
10. Ms. J.Hemashree, Student, ISE

Points Discussed**1. Action Taken Report on Previous BoS Meeting**

S. #	Suggestions	Outcome after discussions
1	Dr.Pradeep kumar suggested to add the course with the name Information in the curriculum.	Information Storage and Retrieval is now included in the core 7 th semester of the current R18 curriculum. Further Information Privacy, Information Security Management has been added now as electives. In the next regulation core courses on Information Theory etc... will be considered.
2	The credit (or marks) given by MOOCs should be taken as such (meaning that it should not be reduced) while mapping to CAM. Students to be encouraged to take related MOOCs for various courses. Once selected, all students should be asked to take the same MOOC course. Dr.C.Mala suggested that some MOOCs are relatively difficult to score. Dr. Sivaselvan B suggested that while mapping MOOCs scores for CAM marks, the faculty should consider moderating the scores as per difficulty level of MOOCs	Both these inputs on the same point will be considered, and faculty discretion will be used with intent of encouraging students to take MOOC courses. For any further issue on this, same will be referred to Department Consultative Committee (DCC) with all these inputs and resolved as per R18.
3	It was discussed that the option of adding MOOC Electives under R18 for direct credit mapping was discussed (not CAM)	This can be considered for elective equivalence in 5 th or 6 th semester for 3 credits as per R18
4	Dr.D.Mala suggested that MOOC can be made mandatory in credit mapping and can be explicitly mentioned in the curriculum Dr. Sivaselvan B also suggested the same.	To be taken up as input for upcoming regulation R22
5	Dr.C.Mala suggested to replace Python by Object Oriented Analysis and Design or Object Oriented Programming	To be taken up as input for upcoming regulation R22
6	Dr.C.Mala suggested to split Digital Logic and Microprocessor into 2 courses as it is too vast for 1 course. She added that otherwise it can include digital logic design related topics alone.	To be taken up as input for upcoming regulation R22
7	Dr. Sivaselvan B suggested that Computer Organization may precede Computer Architecture (CA). If no scope for credits, then Computer Organization may be in core and CA can be made elective.	To be taken up as input for upcoming regulation R22
8	Dr. Sivaselvan B suggested that Big Data Technologies can be made like Systems and Analytics for Big Data offered by Princeton. Descriptive, Predictive, Prescriptive Analytics should be covered.	Descriptive, Predictive, Prescriptive Analytics is part of current Financial and Business Analytics Course. However, this input will be considered and included appropriately in the upcoming regulation R22.
9	Dr. Sivaselvan B suggested that Machine Learning Techniques can be renamed with appropriate word instead of "Techniques"	To be taken up as input for changing in the upcoming regulation R22.
10	Dr. Sivaselvan B suggested that Information Storage and Retrieval aspects can be covered in a course. Mathematical Aspects of AI can be made optional and 2 courses on AI, ML stream can be combined to 1 to get	As per suggestion, these aspects are now included as core in current Information Storage and Retrieval. Further inputs on this will be taken up and considered appropriately while redesigning Analytics Stream in the upcoming

	credits if needed. Information Retrieval can be introduced.	regulation R22.
11	Dr. Sivaselvan B suggested that Internship can be made compulsory for all students by some measures like credits or can be operationalized in other manners as per context.	Right now, as per R18, the DCC can credit the internship by equivalence to elective courses. Further, the members suggestions will be given as input for the upcoming regulation for considering other possible methods.
12	Dr. Sivaselvan B suggested that rather than a separate Information Science Engineering degree, it could be a Computer Science and Engineering degree with specialization in Information Science and Engineering	The degree name is from the AICTE approved nomenclature. Proper differentiation as much as permitted in the current regulation is now proposed and approved with focus and streams on Analytics, Security and Privacy for ISE. New courses and revision of syllabus of existing courses has been now carried out. More Streamlining / differentiation of the same and inclusion of more core courses specific to ISE will be taken up as input for the upcoming regulation.
13	Mr. Vidhya Prakash Sivashanmugam suggested that basic scripting including python can be in semester 1 and importance can be given to C in semester 2	To be taken up as input for upcoming regulation R22.
14	Mr.Prakash Subramaniam suggested that practical component can be given weightage in all courses and not just a couple of courses	In the current R18 curriculum practical component and experiential learning is listed in the form of Engineering Clinics from Semester 1 to 5 and embedded courses. Wherever appropriate our faculty will be incorporating the practical / experiential learning in the existing courses listed as Theory in terms of demos / assignments etc... The member's suggestion will be passed as input for upcoming regulation for more possible measures.

2. Introduction of New One Credit Courses / Programme Electives / Open Electives

- The committee approved the new elective “Agile Software development” syllabus. Mr.Prakash Subramaniam suggested to focus on any one of the tool Scrum or Sprint. Dr.P.Bhagavathi Sivakumar suggested to involve industry person to handle one or two topics.
- The protosem courses mapping was presented and it was approved by the panel members.

#	COURSE CODE	KCT-ISE Course Name	COURSE CODE FORGE	PROTOSEM Course Name	C
1	U18ISI6203	Internet and Web Programming	4	U18ISPS14-Coding for Innovators	4
2	U18ISE----	Programme Elective III	3	U18ISPS15-Prototyping Fundamentals	3
3	U18ISE----	Professional Elective - IV	3	U18ISPS18-Data Life Cycle Management	3
4	U18OE----	Open Elective	3	U18ISPS11-Applied Design Thinking	3
5	U18ISE----	Programme Elective V	3	U18ISPS13 - Computational Hardware	3
6	U18ISE----	Programme Elective VI	3	U18ISPS19 -ML/MLOps	3

3. Addition of New Lab Experiments in R2018 Courses

- All the experiments in the existing syllabus will be followed as such.

4. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii)

Innovative Teaching / Learning / Assessment Methods

- Dr.C.Mala suggested to use tools like hackerrank, google colab, Anaconda, visual programming laboratory (free tool with Moodle LMS), code runner to automate the evaluation to avoid the difficulty that may be faced by both the faculty and students like network issue.
- Mr.S.Sasi Kesavan suggested that UB learns (ublearns.buffalo.edu) from blackboard.com. can be used for online assignment submissions.
- Mr.Prakash Subramaniam recommended to focus on internships, industry connect and more practical experience. This will help students apply what they are learning as part of their academic curriculum and become more aligned with what is needed for the industry that gives them a clear head start. As a side benefit, this will also help them demonstrate their true potential in their campus interviews..
- All the members suggested to provide more importance for embedded course's lab components.

5. Targets for CO / PO for Academic Year 2021-22

- Planning to maintain the existing targets for the next academic year.

6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22

- The existing panel will be followed for the forthcoming academic year.

7. Members Recommendations for Implementing NEP 2020.

- Dr. B.Sivaselvan recommended electives (Science, Mathematics and Humanities subjects) option for students from the first year itself, apart from technical subjects, based on NEP 2020.
- Dr. N.K.Karthikeyan recommended awareness programmes on NEP 2020 to educate the students and faculty members. It may be given as a one-credit course at institutional level.

8. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

- Dr.N.K. Karthikeyan suggested to give a foundation course about the ISE programme in the 1st year itself so that the students will be aware about the focus of the programme.
- All the committee members accepted that the C Programming course to be offered in first semester before Python programming.
- The committee suggested to incorporate more security and privacy related courses as core courses in R22 curriculum as the PSOs focus on information security and information privacy.

9. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery

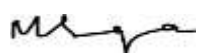
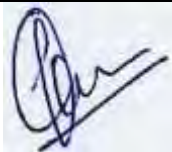

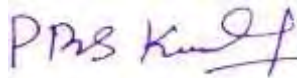

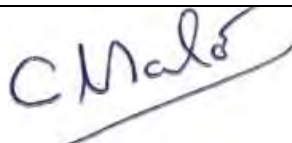
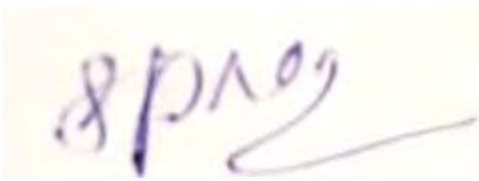

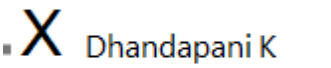
- Dr.C.Mala suggested that there is an initiative by Government of India with national vision education through ICTACT. College or department can become a center for virtual lab by linking with National Institute of Technology, Suratkal.

10. Best Practices followed in (External) Member's Institutions

- Dr.P.Bhagavathi Sivakumar suggested to give more weightage for viva to ensure the students' understandability in theory/lab courses as the assessments are made in online. Plagiarism checking tools can be used to evaluate the lab submissions.
- Industry members can be involved in final year project problem formation in 6th semester itself. This helps the students to check whether the project scope aligned with current trend.

11. Any other matters (with the permission of Chairman, BoS)


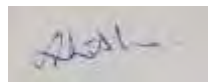
Nil

S.No	Members	Digital Signature
1	Dr. M. Suguna, ASP & Academic coordinator/ISE, KCT	
2	Dr. M. Alamelu, Associate Professor & Head - IT – Chairperson, KCT	
3	Dr. N.K.Karthikeyan, Professor & HoD, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore.	
4	Dr. P.Bhagavathi Sivakumar, Associate Professor Vice Chairperson, Computer Science School of Engineering, Amrita University, Coimbatore.	
5	Dr. T.S.Pradeep Kumar, Associate Professor, School of Computer Science and Engineering, VIT, Chennai.	
6	Dr. C.Mala, Professor, Department of Computer Science and Engineering, National Institute of Technology, Tiruchirappalli.	
7	Dr. B.Sivaselvan, Associate Professor, Department of Computer Science and Engineering, Indian Institute of Information Technology, Design and Manufacturing, Kanchipuram.	Digitally signed by Dr B Sivaselvan DN: cn=Dr B Sivaselvan, o=IIITDM Kancheepuram, ou=Dept of CSE, email=sivaselvanb@iiitdm.ac.in, c=IN Date: 2021.06.21 20:03:53 +05'30'
8	Mr. Vidhya Prakash Sivashanmugam, Systems Development Manager, Amazon, Hyderabad.	Vidhya Prakash Sivashanmugam
9	Mr.Prakash Subramaniam, Principal Consultant, Thought Works, Coimbatore.	
10	Mr. K. Dhandapani, Senior Associate, Robert Bosch, Coimbatore.	 Recoverable Signature  Dhandapani K Dhandapani Kumar Signed by: Dhandapani K
11	Mr.S.Sasi Kesavan, Software	

Date: 5 Jun 2021

Venue: Microsoft Team

3rd BoS Meeting B.E. ISE Jun 2021

	Development Engineer, Amazon, USA.	
12	Dr.L.Latha, Professor/CSE, KCT.	

Copy To: Principal, Dean Academics, CoE, all DoAs, Head Autonomous



MINUTES OF BOARD OF STUDIES MEETING

Department: Information Science and Engineering **Program:** UG
Venue : Virtual(Microsoft Teams) **Date :** 21.11.2020
Time : 12 PM to 1 PM

The second Board of Studies meeting for Information Science and Engineering Programme was held on November 21, 2020 between 12 PM and 1 PM in virtual mode on Microsoft Teams Platform. The following external members, internal members and student representatives were present.

External Members

1. Dr.N.K. Karthikeyan, Professor and Head, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore
2. Dr.P.Bhagavathi Sivakumar, Associate Professor, Vice Chairperson - Computer Science, School of Engineering, Amrita University, Coimbatore
3. Dr.T. S. Pradeepkumar, Associate Professor, School of Computer Science and Engineering,VIT, Chennai
4. Dr.C.Mala, Professor,Department of computer Science and Engineering, National Institute of Technology, Tiruchirappalli
5. Dr.Sivaselvan B, Associate Professor, Department of Computer Science and Engineering, Indian Institute of Information Technology, Design and Manufacturing, Kanchipuram
6. Mr. Vidhya Prakash Sivashanmugam, Systems Development Manager, Amazon, Hyderabad
7. Mr.Prakash Subramaniam, Principal Consultant, Thought Works, Coimbatore
8. Mr. K. Dhandapani, Senior Associates, Robert Bosch, Coimbatore
9. Mr.S.Sasi Kesavan, Amazon,USA

Internal Members

1. Dr.J.Srinivasan, Principal, KCT
2. Dr.D.Saravanan, Dean Academics, KCT
3. Dr. M. Alamelu , Associate Professor & Head - IT - Chairperson
4. Mr. U. Thiruvaazhi, Assistant Professor & Head - ISE
5. Dr. D. Chandrakala, Professor/ISE
6. Dr. M. Suguna, Associate Professor/ISE
7. Dr.R.Kalaiselvi, Assistant Professor-III/ISE
8. Mr.N.Venkatesan, Assistant Professor-II/ISE
9. Mr.Omkumar, Assistant Professor- II/ISE
10. Mrs.G.Shobana, Assistant Professor-I/ISE
11. Mrs.K.Saranya, Assistant Professor-I/ISE
12. Dr. L. Latha, Professor/CSE
13. Dr. K Senthamarai Kannan,Placement Incharge
14. Ms. T. Devika T (Student)
15. Ms. M. V. Kavyanjali (Student)
16. Ms. S. Sudheksha (Student)

Points Discussed and Approved:

1. Welcome, Scope and Framework:

Mr.U.Thiruvaazhi, head of the department of Information Science and Engineering thanked the Chairperson BoS of IT and joined her in welcoming all the external and internal members for the meeting. He provided the scope of presenting the full curriculum and syllabus for R18 B.E. Information Science and Engineering Program. In BoS held in Dec 2018, the curriculum for 8 semesters and the syllabus from 1 to 4 semesters were presented and passed. In this BoS meeting held today, the entire Curriculum and Syllabus for all 8 semesters were presented and discussed for approval.

Head of the department presented the framework of the curriculum along with the reframed Vision, Mission, PEOs and PSOs to reflect the unique focus arrived in consultation with stakeholders. It was clearly stated that the focus of the Information Science and Engineering Programme is Data Analytics, Information Security and Privacy.

Vision:

To create an ecosystem that empowers human intelligence through information science and engineering for sustainable development.

Mission:

To offer programs that will nurture human capabilities in emerging technologies

Program Educational Objectives (PEOs):

The graduates of the program will be:

PEO1: Insightful leaders making appropriate decisions based on balanced information

PEO2: Inspiring individuals who can be versatile in dealing with multiple dimensions of information

PEO3: Responsible practitioners with inclusive approach in perceiving and acting on information

Program Specific Outcomes (PSOs):

PSO1: Maximize the Utility of Information through Data Analytics

PSO2: Assure the Security and Privacy of Information through appropriate integration of People, Process and Technology dimensions.

2. Curriculum Amendments:

It was explained that based on inputs of experts and stakeholders from previous BoS, DAB, and industry stakeholders meetings and to align the credit distribution as per AICTE model curriculum and that of KCT R18 regulations, the following amendments on existing Curriculum were proposed, discussed and approved:

S. #	Description	Final Course code	Course Title	Course Mode	CT	C
1	PC Converted to HS	U18IST5003	Social Media Marketing	Theory	HS	3
2	PC-U18IST5004 converted to PE - U18ISE0014 - Financial & Business Analytics	U18ISE0014	Financial & Business Analytics	Theory	PE	3
3	PC U18ISI6201- converted to PE-U18ISE0015 - Data Mining	U18ISE0015	Data Mining	Theory	PE	3
4	PC Converted to ES	U18IST4004	Artificial Intelligence	Theory	ES	3
5	Added Open / MOOC Elective as OE	U18OE----	Open / MOOC Elective	Theory	OE	3
6	Moving 7 th Semester Course U18IST7002 – Machine Learning Techniques Theory to 6 th Sem U18ISI6204 - Machine Learning Techniques Embedded – Theory& Lab	U18ISI6204	Machine Learning Techniques	Embedded - Theory & Lab	PC	4
7	Moving 6 th Semester Course U18IST6004 - Information Storage and Retrieval to 7 th Semester	U18IST7001	Information Storage and Retrieval	Theory	PC	3
8	Pre-requisite has been removed for these courses owing to change of syllabus (5-8) Semester	U18ISI7201	Data Visualization	Embedded - Theory & Lab	PC	4
9		U18IST7001	Information Storage and Retrieval	Theory	PC	3
10		U18ISI6204	Machine Learning Techniques	Embedded - Theory & Lab	PC	4
11		U18ISE0015	Data Mining	Theory	PE	3
12	U18INT7000 an HS course has been removed from R18 as per institutional decision	U18INT7000	Professional Communication & Analytical Reasoning	Theory		3

Note:

C – Credits

CT – Course Type

HS – Humanities and Social Sciences

PC – Professional Core

PE – Professional Elective

OE – Open Elective

ES – Engineering Sciences

3. Elective Courses Added:

S. #		Course code	Course Title	Course Mode	CT	C
1	New Electives	U18ISE0009	Information Privacy	Theory	PE	3
2		U18ISE0010	Information Security Management	Theory	PE	3
3		U18ISE0011	Blockchain Technology	Theory	PE	3
4		U18ISE0012	Software Security	Theory	PE	3
5		U18ISE0013	Product Management	Theory	PE	3

4. Protosem Courses Mapped:

For students doing their protosem through Forge the following mapping was approved:

#	COURSE CODE	KCT-ISE Course Name	COURSE CODE FORGE	PROTOSEM Course Name	CT	C
1	U18INI5600	Engineering Clinic-V	U18ISPS19	MUP Product Design and Development	ES	3
2	U18ISE----	Professional Elective – I	U18ISPS13	Embedded System Design and Development	PE	3
3	U18OE----	Open Elective	U18ISPS11	Applied Design Thinking	OE	3
4	U18VEP550	Human Excellence-Social Values	U18VEP5505	Human Excellence-Social Values	HS	0
5	U18ISE----	Professional Elective – II	U18ISPS15	App Development and Android Things	PE	3
6	U18OE----	Open Elective	U18ISPS17	Startup Fundamentals	OE	3
7	U18ISI6204	Machine Learning Techniques	U18ISPS14	Artificial Intelligence of Things	PC	3
8	U18ISE----	Professional Elective – III	U18ISPS12	Electronic System Design	PE	3
9	U18ISE----	Professional Elective – IV	U18ISPS16	Industrial Design and Product Development	HS	3

5. Course Delivery – Mode and Effectiveness:

The newly adopted course delivery methods such as flipped class, online synchronous and asynchronous delivery modes with methods for ensuring digital engagement like regular quizzes and student participations – in addition to the earlier methods used was presented.

6. Course Assessment - Mode and effectiveness:

Innovative course assessments like live synchronous and offline asynchronous quizzes, MOOCs based assignments were presented.

7. Inputs Sought from Members:

The following was sought from the members:

- Infrastructure Inputs
- Student's knowledge and skill development Inputs
- Faculty and support faculty development Inputs
- Faculty qualification / specialisation Inputs
- Any other for development of program and department

The following are the inputs received and decisions taken after discussion of each of the points:

S. #	Suggestions	Outcome after discussions
1	7th Semester MOOC Elective to be changed to Open / MOOC Elective (Dr. D. Saravanan)	Incorporated in the R18 Curriculum passed in this BoS
2	There is no single course with word "Information" in the current core curriculum (Dr.T. S. Pradeep Kumar)	Information Storage and Retrieval is now included in the core 7 th semester of the current R18 curriculum. Further Information Privacy, Information Security Management has been added now as electives. In the next regulation core courses on Information Theory etc... will be considered.
3	The credit given by MOOCs should be taken as such (meaning that it should not be reduced). Students to be encouraged to take related MOOCs for various courses. Once selected, all students should be asked to take the same MOOC course. (Dr.C.Mala) Some MOOCs are relatively difficult to score. Hence while mapping MOOCs scores for CAM marks, the faculty should consider moderating the scores as per difficulty level of MOOCs (Dr. Sivaselvan B)	Both theses inputs on the same point will be considered, and faculty discretion will be used with intent of encouraging students to take MOOC courses. For any further issue on this, same will be referred to Department Consultative Committee (DCC) with all these inputs and resolved as per R18.
4	Python can be replaced by Object Oriented Analysis and Design or Object Oriented Programming (Dr.C.Mala)	To be taken up as input for upcoming regulation
5	Digital Logic and Microprocessor is too vast for 1 course. Either to be broken to 2 courses or to be replaced by Digital Logic Design (Dr.C.Mala)	To be taken up as input for upcoming regulation
6	MOOC can be made mandatory in credit mapping and can be explicitly mentioned in the curriculum (Dr.C.Mala). Dr. Sivaselvan B also insisted on MOOCs to be reflected in Credits	In the current proposal for 7 th semester we have provided a 3-credit option (Open / MOOC Elective). Further, to be taken up as input for upcoming regulation
7	Computer Organization should precede Computer Architecture (CA). If no scope for credits, then Computer Organization should be in core and CA can be made elective (Dr. Sivaselvan B)	To be taken up as input for upcoming regulation
8	Big Data Technologies can be made like Systems and Analytics for Big Data offered by Princeton. Descriptive, Predictive, Prescriptive Analytics should be covered (Dr. Sivaselvan B)	Descriptive, Predictive, Prescriptive Analytics is part of current Financial and Business Analytics Course. However, this input will be considered and included appropriately in the upcoming regulation

9	Machine Learning Techniques can be renamed – Word “Techniques” not very appropriate (Dr. Sivaselvan B)	To be taken up as input for changing in the upcoming regulation
10	Information Storage and Retrieval aspects can be covered in a course. Mathematical Aspects of AI can be made optional and 2 courses on AI, ML stream can be combined to 1 to get credits if needed. Information Retrieval can be introduced. (Dr. Sivaselvan B)	As per suggestion, these aspects are now included as core in current Information Storage and Retrieval. Further inputs on this will be taken up and considered appropriately while redesigning Analytics Stream in the upcoming regulation
11	Internship can be made compulsory for all students by some measures like credits or can be operationalized in other manners as per context. (Dr. Sivaselvan B)	Right now, as per R18, the DCC can credit the internship by equivalence to elective courses. Further, the members suggestions will be given as input for the upcoming regulation for considering other possible methods.
12	Rather than a separate Information Science Engineering degree, it could be a Computer Science and Engineering degree with specialization in Information Science and Engineering (Dr. Sivaselvan B)	The degree name is from the AICTE approved nomenclature. Proper differentiation as much as permitted in the current regulation is now proposed and approved with focus and streams on Analytics, Security and Privacy for ISE. New courses and revision of syllabus of existing courses has been now carried out. More Streamlining / differentiation of the same and inclusion of more core courses specific to ISE will be taken up as input for the upcoming regulation.
13	Basic scripting including python can be in semester 1 and importance can be given to C in semester 2 (Mr. Vidhya Prakash Sivashanmugam)	To be taken up as input for upcoming regulation
14	Practical component can be given weightage in all courses and not just a couple of courses (Mr.Prakash Subramaniam)	In the current R18 curriculum practical component and experiential learning is listed in the form of Engineering Clinics from Semester 1 to 5 and embedded courses. Wherever appropriate our faculty will be incorporating the practical / experiential learning in the existing courses listed as Theory in terms of demos / assignments etc... The member's suggestion will be passed as input for upcoming regulation for more possible measures.

To conclude, Dr.N.K. Karthikeyan, Anna University Nominee, gave his appreciation for the program. All board members expressed their positive intent. The meeting concluded with thankfulness to all board members and team members for all their contributions.



Digitally signed by
Kalaiselvi
Date: 2020.11.23
17:52:30 +05'30'

Curriculum Coordinator

HoD/ISE

BoS Chairperson

Copy To: Principal, Dean Academics, CoE, all DoAs, Head Autonomous

Date: 21 Nov 2020

Microsoft Team Meeting

**KUMARAGURU COLLEGE OF TECHNOLOGY****COIMBATORE- 641 049****(An Autonomous Institution Affiliated to Anna University, Chennai)****MINUTES OF BOARD OF STUDIES MEETING**

Department: INFORMATION SCIENCE AND ENGINEERING**Program: UG****Venue: MBA-Training Centre****Date: 08.12.2018****Time: 09.30 AM**

The Board of Studies meeting for Information Science and Engineering was held on December 08, 2018 at 09:30 AM in MBA-Training Centre-7, KCT. It was chaired by Dr. J. Cynthia, Chairman – BoS for B.E. Information Science and Engineering Programme. The following external and internal members were present.

External Members

1. Dr. P. Jayashree, Anna University Nominee (AUN), Associate Professor, Department of Computer Technology, MIT Campus, Anna University, Chennai 600 044.
2. Dr. Shanthi Thilagam, Professor and Head, Department of Computer Science and Engineering, National Institute of Technology, Surathkal.
3. Dr. K. Mohan, Associate Professor, Department of Information Security, School of Computer Science and Engineering, Vellore Institute of Technology (VIT), Vellore.

Internal Members

1. Dr. J. Cynthia, HoD and Chairman – BoS
2. Dr. K. R. Baskaran, Professor
3. Dr. D. Chandrakala, Professor
4. Dr. L. Latha, Professor
5. Ms. R. Kalaiselvi, Assistant Professor – III
6. Dr. M. Suguna, Assistant Professor – II
7. Ms. Syed Ali Fathima, Assistant Professor
8. Ms. S. Nithya Roopa, Assistant Professor
9. Mr. S.P. Siddique Ibrahim, Assistant Professor
10. Mr. V. Senthil Kumar, Assistant Professor
11. Dr.C.S.Senthil Kumar, Head Autonomous

08.12.2018

Venue: MBA –Training Centre

Student Representatives

1. Ms.G. Bala Kowsalya-IV-BE(CSE)
2. Ms.G.Anu -IV-BE(CSE)

Dr.J.Cynthia, Chairman BoS welcomed and introduced the BoS members for the BoS meeting of the Department of Information Science and Engineering. She explained the highlights of R18 syllabus design and Course outcome formulation.

Dr.D.Chandrakala, Convener briefed the Programme Outcomes, Programme Specific Outcomes and the extracts and measures taken up as the outcome of Department Advisory Board. She explained the curriculum and syllabus for 2018 Regulations.

I. Curriculum - balance of courses as per domain, pre-requisites

1. Dr. D. Chandrakala – Convener presented the unique features of R18 curriculum along with the credit distribution. She explained the inclusion of Project based course, Engineering Clinics in the curriculum as a component to empower the practical learning skill of the student. Also she mentioned that the curriculum and syllabus has been framed based on the curriculum given by AICTE.
2. Dr. P. Jayashree, AUN suggested to include Social Media Analytics as a core course and U18CSI2201 - Problem Solving and Programming using Python as an elective course in the curriculum.
3. Dr. Shanthi Thilagam suggested to include courses like Information Systems, Enterprise Resource Planning, Electronics Commerce, Cyber security and courses related to Distributed Computing in place of Theory of Computation and Principles of Compiler Design in ISE Curriculum, as these courses are core courses of Computer Science and Engineering.
4. Dr. Shanthi Thilagam suggested to engage Accenture, TCS as partners to deliver courses like Enterprise Resource Planning, Electronics Commerce and Cyber security.
5. Dr. Shanthi Thilagam suggested to have Network Security and Cyber Security as separate courses in the curriculum in place of Cryptography and Network Security.
6. Dr. K. Mohan suggested to include a course on Artificial Intelligence in the curriculum as it is focused in PSO. The course may replace U18IST4004 - Theory of Computation.
7. AUN suggested to increase the number of elective courses. HoD explained, since the AICTE has recommended for the reduction of total credits, we have focused on core competency knowledge of the students and hence have reduced the number of electives.

II. Syllabus - updation and relevance to industrial, career requirement

1. U18ISE0001 - Image and Video Analytics-Dr.K. Mohan suggested to include image processing as a separate foundation course.
2. U18CSI2201 - Problem Solving and Programming using Python - Dr. Shanthi Thilagam suggested to either include problem solving techniques in the course or name it as Python Programming. The same was accepted by course owner.
3. U18IST5004 - Financial and Business Analytics - Dr. Shanthi Thilagam suggested to involve Infosys as a partner in framing the syllabus.
4. U18ISI3204 - Database Management Systems- Dr. Shanthi Thilagam suggested to add Query processing in the syllabus. The Course owner clarified that the over view of Query processing is already a part of the course content.

III. Course Delivery - Mode and effectiveness

Dr. K. Mohan suggested to include lab component for elective courses. Chairman clarified that tool based learning is incorporated for all elective courses.

IV. Course Assessment - - Mode and effectiveness:

Dr. K. Mohan suggested to include hackathon as one of the assessment methods for Engineering Clinics. The course owner Ms. D Aswini and the team of faculty handling the course clarified that, hackathon is already practiced as the assessment component for the course. He also suggested to include "Writing Survey Papers" as one of the assessment methods to enhance the effectiveness of the course.

VI. Student's knowledge and skill development

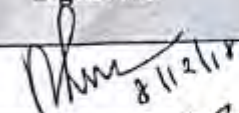
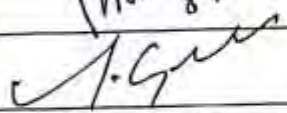
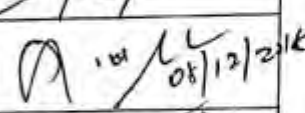
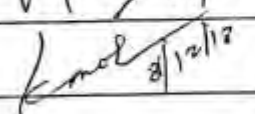
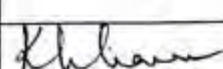
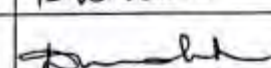
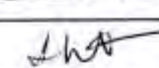
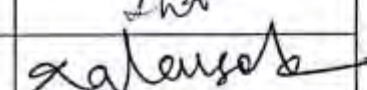
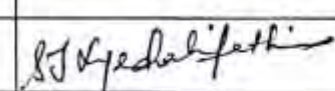
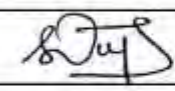
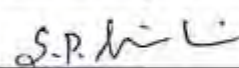
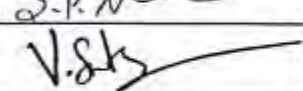

VII. Faculty and support faculty development / training NIL

VIII. Faculty qualification/ specialisation – recommendation: NIL

08.12.2018

Venue: MBA –Training Centre

The Chairman thanked all the members for their suggestions and substantial inputs provided in the meeting. She also requested the internal members to include the changes. The meeting concluded by 11.45 AM.

S. No.	Details of the Expert	Signature
1	Dr. P. Jayashree, Anna University Nominee	
2	Dr.J.Cynthia - Chairman-BOS	
3	Dr. Shanthi Thilagam - External Member	
4	Dr. K. Mohan - External Member	
5	Dr. V. Mohanraj - Industry Representative	-
6	Mr. S. M. Gowtham - Alumni Representative	-
7	Dr. J. Senthil -Principal	
8	Dr. P. Devaki-Professor	-
9	Dr. K.R. Baskaran -Professor	
10	Dr.D.Chandrakala – Convenor	
11	Dr.L. Latha-Professor	
12	Ms.R.Kalaiselvi –AP-III	
13	Dr. M. Suguna AP-II	
14	Ms. Syed Ali Fathima, AP	
15	Ms. K. Saranya, AP	-
16	Ms. S. Nithya Roopa, AP	
17	Mr. S.P. Siddique Ibrahim, AP	
18	Mr. V. Senthil Kumar, AP	
19	Student representatives 1. Ms.G. Bala Kowsalya.Sankari-IV-BE(CSE) 2. Ms.G.Anu –IV-ME(CSE)	
20	Dr. C. S. Senthil Kumar, Head Autonomous	
21	Dr.J. Vijayaprakash, Deputy COE-Autonomous	-

22	Dr V Geetha, Head- Accreditation	-
23	Dr.Stephen Raphel,DOA Representative	-

J. Cynthia
12/18

Dr.J.Cynthia,

HoD/ISE and Chairman-BoS

Distribution

- 1.All members-with request to give their comments on the minutes
- 2.Convenor

Copy for kind information

- 1.Chairman-Academic Council and Principal
- 2.Correspondent
- 3.Joint Correspondent



KUMARAGURU COLLEGE OF TECHNOLOGY
COIMBATORE- 641 049

(An Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Ref:KCT/CSE/BOS/MoM

Date:17.02.2018

MINUTES OF THE FIRST BOARD OF STUDIES MEETING

The Board of Studies meeting for Information Science and Engineering was held on February 17, 2018 at 10:00AM in Training Centre, KCT. It was chaired by Dr. J. Cynthia, Chairman – BoS for B.E. Information Science and Engineering Programme. The following external and internal members were present.

External Members

1. Dr. S. Chitrakala, Anna University Nominee (AUN), Associate Professor, Department of Computer Science and Engineering, Anna University, Chennai 600 025.
2. Dr. T. K. S. Lakshmi Priya, Professor & Head, Department of Printing Technology, Faculty of Engineering, Avinashilingam University, Coimbatore.
3. Dr. G. Subashini, Associate Professor, Department of Information Technology, PSG College of Technology, Coimbatore.
4. Dr. M. Saravanan, Principal Researcher, Ericsson Research India, Chennai.
5. Mr. P. Gautham, Data Scientist, Sports Mechanics India Pvt Ltd, Chennai

Internal Members

1. Dr. J. Cynthia, HoD and Chairman – BoS
2. Dr. P. Devaki, Professor
3. Dr. K. R. Baskaran, Professor
4. Dr. D. Chandrakala, Professor
5. Dr. L. Latha, Professor
6. Dr. G. S. Nandakumar, Associate Professor
7. Ms. R. Kalaiselvi, Assistant Professor – III
8. Mr. U. Thiruvaazhi, Assistant Professor – III
9. Dr. J. Vijayaprakash, Deputy CoE
10. Dr. E. A. Vimal, Deputy CoE
11. Dr. Stephen Raphael, DoA Representative

Student Representatives

1. Ms. BalaKowsalaya (15BCS017)
2. Ms. S. Shivavarsha (15BCS018)
3. Mr. Esakkimuthu (15BCS211)

The Chairman informed that the meeting has been called to review the curriculum and syllabus of 2018 Regulations for B.E Information Science and Engineering. The following points were discussed during the meeting:

1. The Chairman presented the unique features of R18 curriculum of the new course for B.E Information Science and Engineering along with the credit distribution. The introduction of She mentioned that the curriculum and syllabus has been framed based on the curriculum given by AICTE.

The following points were discussed for new course R18 B.E – Information Science and Engineering:

2. *Biology for Computer Science* – The Chairman mentioned that the course was introduced to accommodate the Basic Science component, as it was felt that the course would be relevant for Data Analytics specialization. All the members expressed their opinion that the syllabus given is heavily loaded for a student to comprehend 2 domains in semester 2. After deliberations, it was decided and accepted by all the members to reduce the syllabus content. AUN suggested modifying the syllabus to comprise one unit on Fundamentals of Science. The remaining units to include the content required to bridge the gap between Science and Computing. She emphasized that the course should be handled by a CSE Faculty. Dr. T. K. S. Lakshmipriya suggested including data acquisition, data extraction and pattern extraction with the use of simulation tools or MS Office Suite. She further emphasized to focus on the logic for data extraction rather on programming. She also recommended that the course outcome should be in line with the programme outcome. Mr. Gautham recommended removing Wet Lab in the lab component and using MS Excel which has many features for extraction of data and processing as well for Lab component. He further suggested that students should know the basics of Probability and Statistics to understand the process involved. The Chairman confirmed that Probability and Statistics is studied by students in the same semester. All the members suggested changing the name of the course.
3. Dr. S. Chitrakala suggested that Introduction to Data Science course to be fully loaded with analytic components and rename it as Data Analytics.
4. Dr. M Saravanan suggested including the concepts of Mining for Big Data in Data Visualization and Analytics, thereby removing Mining for Big Data from the sixth semester. Therefore in its slot Artificial Intelligence and Knowledge Representation can be introduced in the sixth semester.
5. Dr. M. Saravanan suggested to include different electives like Social Computing, Cognitive Computing, Software Design Patterns and also insisted to include Reinforcement Learning to be included in Advanced Machine Learning Techniques

The Chairman thanked all the members for their suggestions and substantial inputs provided in the meeting. She also requested the internal members to take up the changes immediately and submit the final version within a week for forwarding to external members. She also assured that the draft minutes will be sent through email to all external members for their comments/approval. The meeting concluded by 1:00 PM.

S.No	Details of the Expert	Signature
1.	Dr. S. Chitrakala, Anna University Nominee	
2.	Dr. J. Cynthia, Chairman - BoS	
3.	Dr. T. K. S. Lakshmi Priya - External Member	
4.	Dr. G. Subashini-External Member	
5.	Dr. M. Saravanan- Industry Representative	
6.	Mr. P. Gautham- Alumni Representative	
7.	Dr. P. Devaki	
8.	Dr. K. R. Baskaran	
9.	Dr. D. Chandrakala	
10.	Dr. L. Latha	
11.	Dr. G. S. Nanda Kumar	
12.	Ms. R. Kalaiselvi	
13.	Mr. U. Thiruvazhi	
14.	Ms. S. Rajini	
15.	Ms. V. P. Sumathi	
16.	Ms. M. Suguna	
17.	Dr. J. Vijayaprakash, Deputy CoE	
18.	Dr. E. A. Vimal, Deputy CoE.	
19.	Dr. Stephen Raphael, DoA Representative	
20.	Mr. Esakkimuthu - III CSE	
21.	Ms. Shivavarsha M- III CSE	
22.	Ms. Bala Kowsalya- III CSE	

Dr. J. Cynthia,
HoD/CSE and Chairman - BoS

Distribution

1. All members - with request to give their comments on the minutes.
2. Convenor

Copy for kind information

1. Chairman - Academic Council and Principal
2. Correspondent
3. Joint Correspondent



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and
Accreditation Council)

GRADE
A++

Information Technology



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and Accreditation Council) **GRADE A++**

Information Technology

Sl. No.	Date of Board of Studies meeting
1.	05.05.2023
2.	04.02.2023
3.	07.07.2022
4.	18.12.2021
5.	05.06.2021
6.	21.11.2020
7.	01.12.2018
8	17.02.2018

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF INFORMATION TECHNOLOGY 22nd Board of Studies Meeting			Ref No.KCT/IT/BOS22/2022-2023	
				Prepared by: Mr.M.Vivek Anand &Ms.S.Kavitha Issued By: Dr.M.Alamelu Issue Date: 09.05.2023	
	MINUTES OF MEETING			Page Number:1 of 3	
Date:	05.05.2023	Time:	02.30 PM to 4.30 PM	Venue	Online

Participants of the meeting

External Panel Members

1. Dr. N.K.Karthikeyan, Professor &HoD, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore - **Anna University Nominee**
2. Dr.P.Bhagavathi Sivakumar, Associate Professor, Computer Science School of Engineering, Amrita University, Coimbatore - **Academic Expert**
3. Dr.T.S.Pradeep Kumar, Associate Professor School of Computer Science and Engineering,VIT, Chennai - **Academic Expert**
4. Dr.C.Mala, Professor, Department of Computer Science and Engineering, National Institute of Technology, Tiruchirappalli - **Academic Expert**
5. Dr. B.Siva Selvan, Associate Professor, Department of Computer Science and Engineering, Indian Institute of Information Technology, Design and Manufacturing, Kanchipuram - **Academic Expert**
6. Mr. Vidhya Prakash Sivashanmugam,Sr.Manager, Systems Development Manager, Amazon, Hyderabad - **Industry Expert**
7. Mr.Prakash Subramaniam,Principal Consultant, Thought Works, Coimbatore-- **Industry Expert**
8. Mr. K. Dhandapani, Senior Associates, Robert Bosch, Coimbatore – **Alumni**

Internal Panel Members

1. Dr.D.Saravanan, Principal, KCT
2. Dr.V.R.Raghuveer, Director/KSI
3. Dr.L.Latha, Professor/CSE, KCT - **Special Invitee**
4. Dr. V. Vanitha, Prof /IT - **BoS Coordinator**
5. Dr. N. Rajathi, Prof/IT
6. Dr. P. C. Thirumal, ASP/IT

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF INFORMATION TECHNOLOGY 22nd Board of Studies Meeting	Ref No.KCT/IT/BOS22/2022-2023
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	MINUTES OF MEETING	Page Number:2 of 3

7. Ms. S. Sathyavathi, AP(SRG) /IT
8. Ms. P. Shenbagam, AP - II /IT
9. Ms. S. Kavitha, AP - II/IT
10. Mr. S. Kanagaraj, AP - II /IT
11. Ms. G. PremaArokia Mary, AP-I/IT
12. Mr. M.Vivek Anand, AP-II/IT

Student Representatives

1. Mr.Shrivathsan M.A
2. Mr.Karthikeyan MP

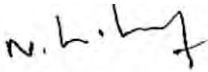


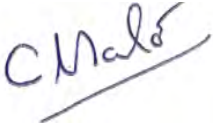
MINUTES OF MEETING & ACTION POINTS


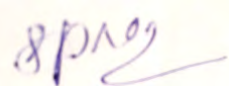
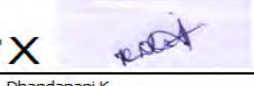
Codes: A:Action C:Comment D:Decision R:Recommendation


S.NO	CODE	DESCRIPTION & DISCUSSION POINTS
1.	C	Presentation on Vision, Mission, PEO, PO and PSO Chairman presented the agenda, department vision, mission, programme educational objectives and programme specific Outcomes.
2	R	Curriculum and Syllabus - balance of courses as per domain-requisites <ul style="list-style-type: none"> • The chairman presented the highlights of R18 curriculum and the students' academic performance, employability and research activities of the batch 2018- 2022 and 2019- 2023. • The committee approved the following two one credit courses. These courses will be offered from 2022 batch onwards as per Anna University Guidelines. <ul style="list-style-type: none"> ➤ Heritage of Tamils ➤ Tamils and Technology • As per AICTE policy, minor specialization tracks on “Innovation, Entrepreneurship and Venture Development (IEV)” were presented and sought for the incorporation of the same from 2021-22 admitted batch onwards. BoS members appreciated and approved the same.

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF INFORMATION TECHNOLOGY 22nd Board of Studies Meeting	Ref No.KCT/IT/BOS22/2022-2023
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	MINUTES OF MEETING	Page Number:3 of 3

		<ul style="list-style-type: none"> Dr.VR.Raghuveer, Director of Kumaraguru School of Innovation (KSI) briefed about the formation of KSI and presented the vision, mission, three-year plan and first year milestones. In addition, he also presented about various cohorts and the scope of the same. Dr. N.Karthikeyan suggested to be careful with respect to overlapping of courses in various cohorts and suggested minimizing the number of cohorts if possible.
3	C	Course Delivery - Mode and effectiveness: Dr.Bagavathi Sivakumar suggested to improve the teaching pedagogy for the effective course delivery
4	C	Faculty qualification/ specialization – recommendation Dr.Mala suggested providing necessary facilities / support for the faculty to expertise in the suggested cohorts.

Dr. N.K.Karthikeyan	Dr.P.Bhagavathi Sivakumar	Dr.T.S.Pradeep Kumar	Dr.C.Mala	Dr. B.Siva Selvan
				

Mr. Vidhya Prakash Sivashanmugam	Mr.Prakash Subramaniam	Mr. K. Dhandapani	Dr.L.Latha	Dr.V.R.Raghuveer	Dr.M.Alamelu
		 X Dhandapani K			

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF INFORMATION TECHNOLOGY 22nd Board of Studies Meeting			Ref No.KCT/IT/BOS22/2022-2023	
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	MINUTES OF MEETING			Page Number:1 of3	
Date:	05.05.2023	Time:	02.30 PM to 4.30 PM	Venue	Online – MS Teams


Participants of the meeting

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1. Dr. N.K.Karthikeyan, Professor & HoD, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore - **Anna University Nominee**
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3. Dr.T.S.Pradeep Kumar, Associate Professor School of Computer Science and Engineering,VIT, Chennai - **Academic Expert**
4. Dr.C.Mala, Professor, Department of Computer Science and Engineering, National Institute of Technology, Tiruchirappalli - **Academic Expert**
5. Dr. B.Siva Selvan, Associate Professor, Department of Computer Science and Engineering, Indian Institute of Information Technology, Design and Manufacturing, Kanchipuram - **Academic Expert**
6. Mr. Vidhya Prakash Sivashanmugam, Sr. Manager, Systems Development Manager, Amazon, Hyderabad - **Industry Expert**
7. Mr. Prakash Subramaniam, Principal Consultant, Thought Works, Coimbatore - **Industry Expert**
8. Mr. K. Dhandapani, Senior Associates, Robert Bosch, Coimbatore – **Alumni**

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3. Dr.L.Latha, Professor/CSE, KCT - **Special Invitee**
4. Dr. V. Vanitha, Prof /IT - **BoS Coordinator**
5. Dr. N. Rajathi, Prof/IT
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	MINUTES OF MEETING	Page Number:2 of3

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12. Mr. M.Vivek Anand, AP-II/IT


Student Representatives

1. Ms.K.Santhiya

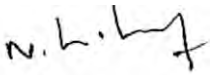


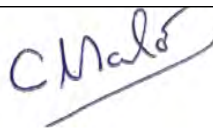
MINUTES OF MEETING & ACTION POINTS


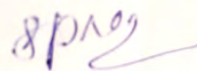
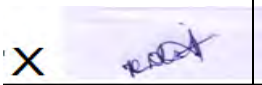
Codes: A:Action C:Comment D:Decision R:Recommendation

S.NO	CODE	DESCRIPTION & DISCUSSION POINTS
1.	C	Presentation on Vision, Mission, PEO, PO and PSO <ul style="list-style-type: none"> Chairman presented the agenda, department vision, mission, and programme educational objectives and programme specific outcomes.
2.	R	Curriculum and Syllabus - balance of courses as per domain-requisites <ul style="list-style-type: none"> Dr. N.Karthikeyan suggested having 'Research Methodology' as a separate non- credit course instead of having a core course 'Research Methodology and Statistics'. Dr. B. SivaSelvan suggested having the core courses of computer sciencelike Data Structure, Computer Architecture & DBMS in the curriculum for the benefit of the students from a non-CSE UG background. Dr. N.Karthikeyan and Dr.C.Mala suggested including 'Advanced Data Structure and Algorithm' as a core course. Dr. B. Siva Selvan suggested to combine the two courses 'Data Mining' and 'Data Science' into a single core course Dr. B. Siva Selvan suggested to offer the courses of third semester in the online mode for the benefit of the students attending internship. In addition, he recommended using NPTEL certification for course waiving.

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	MINUTES OF MEETING		Page Number:3 of3

		<ul style="list-style-type: none"> Mr. Vidhya Prakash Sivashanmugam suggested organizing the courses in the curriculum as per the various roles in the industry for the data science graduates. Dr.P.Bagavathi Sivakumar suggested offering the soft-core and hard-core courses depending on students' specialization.
3	C	Course Delivery - Mode and effectiveness: <ul style="list-style-type: none"> Dr.Bagavathi Sivakumar suggested improving the teaching pedagogy for the effective course delivery.

Dr. N.K.Karthikeyan	Dr.P.Bhagavathi Sivakumar	Dr.T.S.Pradeep Kumar	Dr.C.Mala	Dr. B.Siva Selvan
				

Mr. Vidhya Prakash Sivashanmugam	Mr.Prakash Subramaniam	Mr. K. Dhandapani	Dr.L.Latha	Dr.V.R.Raghuveer	Dr.M.Alamelu
		 X Dhandapani K			



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Department Board of Studies Meeting Minutes

Department: Information Technology

Program: B.Tech

Venue: Online –MS Teams

Date: 04.02.2023

Time: 2:30PM

AGENDA

1. Welcome and introduction of members by Chairperson.
2. Addition of new 2-credit courses / New Lab Experiments in 2018 courses.
3. Targets for CO / PO for Academic Year 2022-23.
4. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2022-23.
5. Member's deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2023 (R2023).
6. Member's inputs towards upgradation of infrastructure /teaching aids to aid content delivery.
7. Any other matters (with the permission of Chairman, BoS)



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Department Board of Studies Meeting Minutes

Department:Information Technology

Program:B.Tech.

Venue: Online –MS Teams

Date:04.02.2023

Time: 02:30 PM

1. Welcome note and introduction of members by chairperson

The 21stBoard of Studies meeting for Information Technology department was held on 4th February 2023 at 02:30 PM in MS Teams. The meeting was chaired by Dr.M.Alamelu, Chairperson – BoS for B.Tech. (Information Technology) programme.

Internal & External Members

S.No.	Name & Designation	
1.	Chairperson	Dr. M.Alamelu, ASP & HOD
2.	Anna University Nominee	Dr. N.K.Karthikeyan, Professor & HoD, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore
3.	Academic Expert	Dr.P.Bhagavathi Sivakumar, Associate Professor, Computer Science School of Engineering, Amrita University, Coimbatore
4.		Dr.T.S.Pradeep Kumar, Associate Professor School of Computer Science and Engineering,VIT, Chennai
5.		Dr.C.Mala, Professor, Department of Computer Science and Engineering, National Institute of Technology, Tiruchirappalli
6.	Industry Expert	Mr. Vidhya Prakash Sivashanmugam, Systems Development Manager, Amazon, Hyderabad
7.		Mr.Prakash Subramaniam Principal Consultant, Thought Works Coimbatore
8.	2-credit course	Dr. T.Rajesh, IEP Solutions
9.	Coordinators of First Year.	Ms S. Rajalakshmi AP-II/Civil, KCT
10.	Special Invitee	Dr.L.Latha, Professor/CSE, KCT
11.	Alumni	Mr. K. Dhandapani, Senior Associates Robert Bosch, Coimbatore
12.	BoS Coordinator	Dr. V. Vanitha, Prof /IT
13.	Faculty Representatives	Dr. N. Rajathi, Prof/IT
14.		Dr. P. C. Thirumal, ASP/IT
15.		Ms. S. Sathyavathi, AP(SRG) /IT
16.		Ms. P. Shenbagam, AP - II /IT
17.		Ms. S. Kavitha, AP - II/IT
18.		Mr. S. Kanagaraj, AP - II /IT
19.		Ms. G. PremaArokia Mary, AP-II/IT
20.		Mr. M.Vivek Anand, AP-II/IT
21.	Student Representatives	Ms.K.Sruthiand, Mr.P.Tamilselvan B.Tech/IT



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2. Presentation on Vision, Mission, PEO, PO and PSO

- Chairman presented the agenda, department vision, mission, and Programme Educational Objectives, Program outcomes and the action taken report of the previous BOS meeting.

3. Curriculum and Syllabus - balance of courses as per domain-requisites

- Dr. Rajesh presented the syllabi of the new courses for approval.
- The committee approved the below three 2-credit courses for the first year in 2018 curriculum.

S.No	Course Code	Course Name
1	U18ITR0001	Fundamentals of Digital Design
2	U18ITR0002	Mobile App Development Using MIT
3	U18ITR0003	Software Entropy

- Dr. N.K.Karthikeyan suggested to change the title of “Mobile App Development using MIT” as Mobile App development.
- Dr.T.S.Pradeep Kumar suggested to include the content for IOS app development in the Course U18ITR0002 as MIT scratch is only for Android App development. Dr. Rajesh said that latest version of MIT also supports the IOS app development.
- Dr.C.Mala suggested to include Latex tool in the course “U18ITR0003-Software Entropy”.
- Dr.P.Bhagavathi Sivakumar suggested to change the title for the course “Fundamentals of Digital Design” as the course content covers the visual design.
- All the expert members suggested to change the course title of “Software Entropy”.

4. Course Delivery - Mode and effectiveness: NIL



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5. Targets for CO / PO for Academic Year 2022-23:

CO/PO/PSO	Target Level
PO1 – PO5	Level 2
PO6 – PO12	Level 2
PSO1 – PSO3	Level 2
CO (Embedded courses)	Level 2
CO (Theory courses)	Level 1
CO (Elective courses)	Level 2

CO/PO/PSO Target	Level
85% and above	Level 3
70% and above	Level 2
60% and above	Level 1

6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2022-23:

- The committee approved the existing panel list

7. Course Assessment - Mode and effectiveness -NIL

8. Infra requirement, upgradation –NIL

9. Student's knowledge and skill development - NIL

10. Faculty and support faculty development / training - NIL

11. Faculty qualification/ specialization – recommendation –NIL



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S.No	Members	Signature
1	Dr.M.Alamelu, ASP &HoD	
2	Dr.N.K.Karthikeyan, Professor &HoD, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore	
3	Dr.P. Bhagavathi Sivakumar, Associate Professor Computer Science School of Engineering, Amrita University, Coimbatore	
4	Dr.T. S. Pradeep Kumar, Professor, School of Computer Science and Engineering, VIT, Chennai	
5	Dr.Mala, Professor, Department of Computer Science and Engineering, National Institute of Technology, Tiruchirappalli	
6	Mr. Vidhya Prakash Siva Shanmugam, Systems Development Manager, Amazon, Hyderabad	
7	Mr. Prakash Subramaniam Principal Consultant, Thought Works Coimbatore	
8	Mr. K. Dhandapani, Senior Associate, Robert Bosch, Coimbatore	 X Dhandapani K
9	Dr.L.Latha, Professor/CSE, KCT	

Distribution

- 1.All members-with request to give their comments on the minutes
2. Convener

Copy for kind information.

- 1.Chairman-Academic Council and Principal
2. Correspondent
- 3.Joint Correspondent



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Department Board of Studies Meeting Minutes

Department:InformationTechnology

Program:B.Tech

Venue: Online –MSTeams

Date:07.07.2022

Time: 2:00 PM

AGENDA

1. Welcome and introduction of members by Chairperson
2. Review of Vision and Mission of theDepartment
3. Review of PEOs, POs and PSOs of B.Tech(IT)
4. Review of previous BoSmeeting
5. Discussion on the proposed
 - Curriculum of New Regulation (UG)
6. Concluding remarks byChairperson



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Department Board of Studies Meeting Minutes

Department: Information Technology

Program: B.Tech.

Venue: Online – MSTeams

Date: 07.07.2022

Time: 02:00 PM

1. Welcome note and introduction of members by chairperson

The Board of Studies meeting for Information Technology department was held on 7th July 2022 at 02:00 PM in MS Teams. The meeting was chaired by Dr.M.Alamelu, Chairperson – BoS for B.Tech. (Information Technology) programmes.

Internal & External Members

S.No.	Name & Designation	
1.	Principal	Dr.D.Saravanan
2.	Chairperson	Dr. M.Alamelu, ASP & HOD
3.	Anna University Nominee	Dr. N.K.Karthikeyan, Professor & HoD, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore
4.	Academic Expert	Dr.P.Bhagavathi Sivakumar, Associate Professor, Computer Science School of Engineering, Amrita University, Coimbatore
5.		Dr.T.S.Pradeep Kumar, Associate Professor School of Computer Science and Engineering, VIT, Chennai
6.		Dr.C.Mala, Professor, Department of Computer Science and Engineering, National Institute of Technology, Tiruchirappalli
7.	Industry Expert	Mr. Vidhya Prakash Sivashanmugam, Systems Development Manager, Amazon, Hyderabad
8.	Special Invitee	Dr.L.Latha, Professor/CSE, KCT
9.	Alumni	Mr. K. Dhandapani, Senior Associates Robert Bosch, Coimbatore
10.	BoS Coordinator	Dr. V. Vanitha, Prof /IT
11.	Faculty Representatives	Dr. N. Rajathi, Prof/IT
12.		Dr. P. C. Thirumal, ASP/IT
13.		Ms. S. Sathyavathi, AP(SRG) /IT
14.		Ms. P. Shenbagam, AP - II /IT
15.		Ms. S. Kavitha, AP - II/IT
16.		Mr. S. Kanagaraj, AP - II /IT
17.		Ms. G. PremaArokia Mary, AP-I/IT
18.		Mr. M.Vivek Anand, AP-II/IT
19.	Student Representatives	Ms.K.Sruthi and Mr.P.Tamilselvan B.Tech/IT



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2. Presentation on Vision, Mission, PEO, PO and PSO

- Chairman presented the agenda, department vision, mission and Programme Educational Objectives.
- Previous DAB meeting minutes and BOS meeting minutes were reviewed

3. Curriculum and Syllabus - balance of courses as per domain, pre-requisites

- The Committee members approved the B.Tech (Information Technology) Curriculum for new regulation.
- The committee approved Naalaiya Thiran - an “Experiential Project Based Learning initiative” is to be introduced as a new professional elective course.
- Dr. Mala suggested to include “Compiler Design” as a core paper instead of elective.
- Dr. Karthikeyan suggested to remove “Principle of communication” course and those content can be included with “Computer Networks” course.
- Dr. Karthikeyan suggested to keep the courses as like the following.

S.No	Course	Semester
1	Database Management System	3
2	Data Mining techniques	4
3	Compiler Design	5

- Dr. Pradeep Kumar suggested to include Theory of Computation basics in the “Compiler Design” course.
- Dr. Pradeep Kumar mentioned that the open elective credits are lesser than the Anna university recommendation and he advised to increase the open elective credits to equalize the AU recommendation.
- Dr. Karthikeyan informed about the relative grading process implemented by the Anna University which is applicable from the academic year 2021-2022.

4. Course Delivery - Mode and effectiveness: NIL



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5. Targets for CO / PO for Academic Year 2022-23 :

CO/PO/PSO	Target Level
PO1 – PO5	Level 2
PO6 – PO12	Level 2
PSO1 – PSO3	Level 2
CO (Embedded courses)	Level 2
CO (Theory courses)	Level 1
CO (Elective courses)	Level 2

CO/PO/PSO Target	Level
85% and above	Level 3
70% and above	Level 2
60% and above	Level 1

6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2022-23:

- The committee approved the existing panel list

7. Course Assessment - Mode and effectiveness -NIL

8. Infra requirement, upgradation –

- Dr. Bagavathi Sivakumar suggested to improve the lab infrastructure for Human centered Computing.

9. Student's knowledge and skill development

- Dr. Karthikeyan suggested to conduct one credit courses on latest technologies which can be done through MOU with Industries.


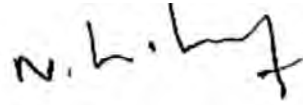


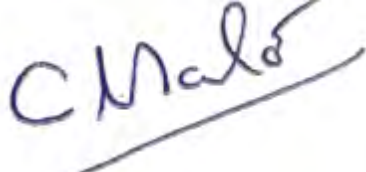

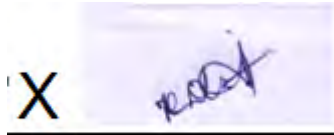
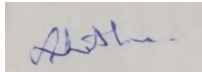
10. Faculty and support faculty development / training

- Dr. Bagavathi Sivakumar suggested to make industry collaboration and provide training for the students and faculties to enrich the knowledge in the elective track Human centered Computing.



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11. Faculty qualification/ specialization – recommendation –NIL

S.No	Members	Signature
1	Dr.M.Alamelu, ASP &HoD	
2	Dr.N.K.Karthikeyan, Professor &HoD, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore	
3	Dr.P. Bhagavathi Sivakumar, Associate Professor Computer Science School of Engineering, Amrita University, Coimbatore	
4	Dr.T. S. Pradeep Kumar,Professor, School of Computer Science and Engineering, VIT, Chennai	
5	Dr.C.Mala, Professor, Department of Computer Science and Engineering, National Institute of Technology,Tiruchirappalli	
6	Mr. Vidhya Prakash Sivashanmugam, Systems Development Manager, Amazon, Hyderabad	
7	Mr. K. Dhandapani, Senior Associate, Robert Bosch, Coimbatore	 Dhandapani K
8	Dr.L.Latha, Professor/CSE, KCT	

Dr.M.Alamelu,

HoD/IT and Chairman-BoS

Distribution

- 1.All members-with request to give their comments on the minutes
2. Convener

Copy for kind information

1. Chairman-Academic Council and Principal
2. Correspondent
3. Joint Correspondent



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Department Board of Studies Meeting Minutes

Department: Information Technology

Program: B.Tech

Venue: Online –MS Teams

Date: 18.12.2021

Time: 10:00 AM

AGENDA

1. Vision & Mission of the Department
2. PEOs, POs and PSOs
3. Review of previous BoS meeting
4. Review of previous Department Advisory Board Meeting
5. Discussion on
 - Curriculum and Syllabus
 - Course Delivery and Assessment Methods
 - Content Beyond Syllabus
 - Faculty Specialization
 - Training Needs
 - Infrastructure requirements
6. Concluding remarks by Chairperson



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Department Board of Studies Meeting Minutes

Department: Information Technology

Program: B.Tech.

Venue: Online –MS Teams

Date: 18.12.2021

Time: 10:00 AM

1. Welcome note and introduction of members by chairperson

The Board of Studies meeting for Information Technology department was held on December 18, 2021 at 10:00 AM in MS Teams. The meeting was chaired by Dr.M.Alamelu, Chairperson – BoS for B.Tech. (Information Technology) programmes.

Internal & External Members

S.No.	Name & Designation	
1.	Principal	Dr.D.Saravanan
2.	Chairperson	Dr. M.Alamelu, ASP & HOD
3.	Anna University Nominee	Dr. N.K.Karthikeyan, Professor & HoD, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore
4.	Academic Expert	Dr.P.Bhagavathi Sivakumar, Associate Professor, Computer Science School of Engineering, Amrita University, Coimbatore
5.		Dr.T.S.Pradeep Kumar, Associate Professor School of Computer Science and Engineering,VIT, Chennai
6.		Dr.C.Mala, Professor, Department of Computer Science and Engineering, National Institute of Technology, Tiruchirappalli
7.	Industry Expert	Mr. Vidhya Prakash Sivashanmugam, Systems Development Manager, Amazon, Hyderabad
8.	Special Invitee	Dr.L.Latha, Professor/CSE, KCT
9.	Special Invitee	Mr.S.Sasi Kesavan,Amazon,USA
10.	Alumni	Mr. K. Dhandapani, Senior Associates Robert Bosch, Coimbatore
11.	BoS Coordinator	Dr. V. Vanitha, Prof /IT
12.	Faculty Representatives	Dr. N. Rajathi, Prof/IT
13.		Dr. V. Vijilesh, ASP/IT
14.		Dr. P. C. Thirumal, ASP/IT
15.		Ms. S. Sathyavathi, AP(SRG) /IT
16.		Ms. P. Shenbagam, AP - II /IT
17.		Ms. S. Kavitha, AP - II/IT
18.		Mr. S. Kanagaraj, AP - II /IT
19.		Ms. G. PremaArokia Mary, AP-I/IT
20.	Student Representatives	Ms.Priyanka.P and Mr.Shivasailsh.K, B.Tech/IT



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2. Presentation on Vision, Mission, PEO, PO and PSO

- Chairman presented the agenda, department vision, mission and Programme Educational Objectives.
- Previous DAB meeting minutes and BOS meeting minutes were reviewed

3. Curriculum and Syllabus - balance of courses as per domain, pre-requisites

- Committee members approved to include the professional elective course titled “U18ITE0017- Security of Internet of Things” in R18 curriculum.
- Dr.C.Mala and Dr.N.K.Karthikeyan suggested the syllabus of the course “Security of Internet of Things” should be done unit-wise along with hours distribution.
- Dr.N.K.Karthikeyan suggested give weightage for the NPTEL courses. A yardstick can be fixed for assessing the course completion by forming a committee comprising of senior faculty members of the department. This committee can deliberate and decide on allocating credits for the courses taken by students.
- Dr.P.Bhagavathi Sivakumar and Dr.T. S. Pradeep Kumar suggested having NEP recommendations of credit bank to include the credits earned through NPTEL or other equivalent MOOC courses completed by the students. Also this can be considered for course waiving. They also suggested to identify the relevant NPTEL courses for each semester.
- Dr.C.Mala suggested to include the course “Data Structure” as the prerequisite for the minor specialization. Also, she suggested to give individual project for the students taking minor specialization track for better evaluation
- Dr.N.K.Karthikeyan suggested to encourage the creamy students to publish papers and/or file a patent from the outcome of the project work. Dr.P.Bhagavathi Sivakumar suggested that additional marks can be awarded for the student paper publication/patent filing, which will boost his/her credit and grade.
- Dr.P.Bhagavathi Sivakumar and Dr.N.K.Karthikeyan suggested to increase the number of professional elective courses to a minimum of five. This will contribute flexibility in the curriculum.

4. Course Delivery - Mode and effectiveness: NIL

5. Targets for CO / PO for Academic Year 2021-22 : Planned to have the same target

6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22:

- The committee approved the existing panel list



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7. Course Assessment - Mode and effectiveness

Dr C. Mala recommended the adoption of NPTEL courses in the curriculum.


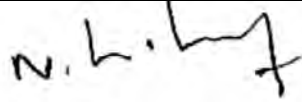
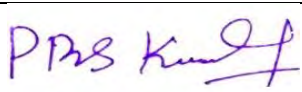
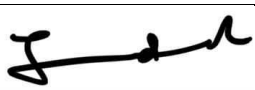
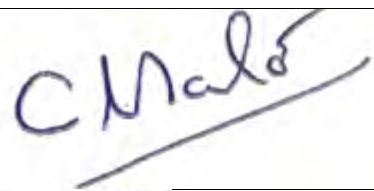

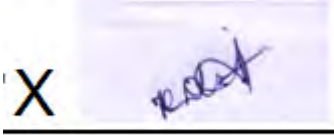

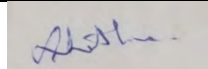
8. Infra requirement, upgradation -NIL

9. Student's knowledge and skill development

Expert members recommended to increase the number of elective courses in the curriculum.

10. Faculty and support faculty development / training -NIL

11. Faculty qualification/ specialization – recommendation –NIL

S.No	Members	Signature
1	Dr.M.Alamelu, ASP &HoD	
2	Dr.N.K.Karthikeyan, Professor &HoD, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore	
3	Dr.P. Bhagavathi Sivakumar, Associate Professor Computer Science School of Engineering, Amrita University, Coimbatore	
4	Dr.T. S. Pradeep Kumar, Professor, School of Computer Science and Engineering, VIT, Chennai	
5	Dr.C.Mala, Professor, Department of Computer Science and Engineering, National Institute of Technology, Tiruchirappalli	
6	Mr. Vidhya Prakash Sivashanmugam, Systems Development Manager, Amazon, Hyderabad	
7	Mr. K. Dhandapani, Senior Associate, Robert Bosch, Coimbatore	 Dhandapani K
8	Mr.S.SasiKesavan, Software Development Engineer, Amazon, USA	
9	Dr.L.Latha, Professor/CSE, KCT	



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Dr.M.Alamelu,

HoD/IT and Chairman-BoS

Distribution

- 1.All members-with request to give their comments on the minutes
- 2.Convener

Copy for kind information

- 1.Chairman-Academic Council and Principal
- 2.Correspondent
- 3.Joint Correspondent



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Department Board of Studies Meeting Minutes

Department: Information Technology

Program: B.Tech

Venue: Online – MS Teams

Date: 05.06.2021

Time: 10:00 AM

AGENDA

1. Action Taken Report on Previous BoS Meeting
2. Introduction of New One Credit Courses / Programme Electives / Open Electives
3. Addition of New Lab Experiments in R2018 Courses
4. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
5. Targets for CO / PO for Academic Year 2021-22
6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22
7. Members Recommendations for Implementing NEP 2020
8. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)
9. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery
10. Best Practices followed in (External) Member's Institutions
11. Any other matters (with the permission of Chairman, BoS)



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Department Board of Studies Meeting Minutes

Department: Information Technology

Program: B.Tech

Venue: Online – MS Teams

Date: 05.06.2021

Time: 10:00 AM

The Board of Studies meeting for Information Technology department was held on June 05, 2021 at 10:00 AM in MS Teams. The meeting was chaired by Dr.M.Alamelu, Chairperson – BoS for B.Tech. (Information Technology) programmes.

Internal & External Members

S.No.	Name & Designation	
1.	Principal	Dr.D.Saravanan
2.	Chairperson	Dr. M.Alamelu, ASP & HOD
3.	Anna University Nominee	Dr. N.K.Karthikeyan, Professor & HoD, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore
4.	Academic Expert	Dr.P. Bhagavathi Sivakumar, Associate Professor Vice Chairperson – Computer Science, School of Engineering, Amrita University, Coimbatore
5.		Dr.T. S. Pradeep Kumar, Associate Professor School of Computer Science and Engineering,VIT, Chennai
6.		Dr.C.Mala, Professor, Department of Computer Science and Engineering,National Institute of Technology,Tiruchirappalli
7.		Dr. Sivaselvan B, Associate Professor, Department of Computer Science and Engineering, Indian Institute of Information Technology, Design and Manufacturing, Kanchipuram
8.	Industry Expert	Mr. Vidhya Prakash Sivashanmugam, Systems Development Manager, Amazon, Hyderabad
9.		Mr.Prakash Subramaniam, Principal Consultant, Thought Works, Coimbatore
10.	Alumni	Mr. K. Dhandapani, Senior Associate,Robert Bosch, Coimbatore
11.	Special Invitee	Mr.S.Sasi Kesavan, Software Development Engineer, Amazon,USA
12.		Dr.L.Latha, Professor/CSE, KCT
13.	BoS Coordinator	Dr. V. Vanitha, Prof /IT
14.	Faculty Representatives	Dr. N. Rajathi, Professor/IT
15.		Dr. P. C. Thirumal, ASP/IT
16.		Ms. S. Sathyavathi, AP(SRG) /IT
17.		Ms. P. Shenbagam, AP - II /IT
18.		Ms. S. Kavitha, AP - II/IT
19.		Mr. S. Kanagaraj, AP - II /IT

20.		Ms. G. Prema Arokia Mary, AP-I/IT
21.		Ms. M. N. Saroja AP-I/IT
22.	Student Representatives	Ms.Priyadharshini & Ms.Harini, IV year B.Tech-IT


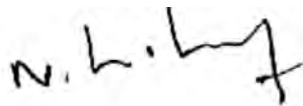


Points Discussed

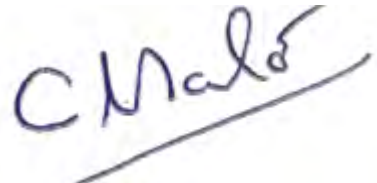
1. Action Taken Report on Previous BoS Meeting

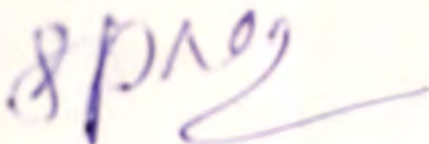



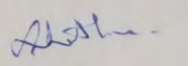
S.No.	POINTS DISCUSSED	ACTION TAKEN
1.	Committee Approved: To replace the course “Professional Communication & Analytical Reasoning” by another Professional Elective course	Offered the professional elective course on Artificial Intelligence /Data Visualization
2.	To include the following professional electives: <ul style="list-style-type: none"> ▪ Business Intelligence ▪ Natural Language Processing ▪ Information Retrieval Techniques 	Included in the R18 curriculum
3.	All courses offered to protosem students	
4.	One or two NPTEL courses and other quality MOOCs can be offered as electives for B.Tech students, so that the students will be exposed to diversified learning.	Will be incorporated based on the institution level policy.
5.	The committee recommended industry internships as it gives exposure to Industry projects and establish collaborations with Industry.	<ul style="list-style-type: none"> • Involved industry experts in final year project reviews. • Industry projects – 5 students.[UG] • Internships [38 = 35(UG)+3(PG).] • Protosem – 2 students. • Four students completed industry certification program on Blockchain Technology.
6.	Participation in hackathon competitions to be increased	<ul style="list-style-type: none"> • Students are encouraged to participate in hackathons. • Students participated in Ideathon - Conducted during Yugam
7.	More focus on strengthening the fundamental concepts	<ul style="list-style-type: none"> ▪ Conducting weekly assessments and doubt clearance sessions to strengthen the fundamentals concepts in the second year level. ▪ Department Association is periodically conducting activities to strengthen the fundamental concepts(Excalibur phase 1&2 for two months by alumni)

2. Introduction of New One Credit Courses / Programme Electives / Open Electives
 - Planned to include new courses in the next regulation R22.
3. Addition of New Lab Experiments in R2018 Courses
 - Existing list of experiments will be followed.
4. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
 - Chairman presented the agenda and department vision, mission, PEO, PO and PSO.
 - Action taken report of previous BOS meeting points were reviewed.
 - Dr. P.Bhagavathi Sivakumar suggested to revamp the PSO2(Leadership skills), as it has been already covered in PO8(Ethics).
 - All the members appreciated the industry expert's involvement in final year project reviews.
 - Mr.Prakash Subramaniam recommended to focus on internships, industry connect and more practical experience. This will help students apply what they are learning as part of their academic curriculum and become more aligned with what is needed for the industry that gives them a clear head start. As a side benefit, this will also help them demonstrate their true potential in their campus interviews.
 - All the members suggested to provide more importance for embedded course's lab components.
 - Expert members recommended internships and industry projects.
5. Targets for CO / PO for Academic Year 2021-22
 - Planning to maintain the same target for the academic year 2021-22.
6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22
 - Planning to maintain the same panel of examiners for the academic year 2021-22
7. Members Recommendations for Implementing NEP 2020
 - Dr. B.Sivaselvan recommended electives(Science, Mathematics and Humanities subjects) option for students from the first year itself, apart from technical subjects, based on NEP 2020.
 - Dr. N.K.Karthikeyan recommended awareness programmes on NEP 2020 to educate the students and faculty members. It may be given as a one-credit course at institutional level.
8. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

- All the members recommended to include internship/industry project with credits in the curriculum (third-year students). During the internships, the students can start their mini-project, and it can be extended as final-year project.
 - Dr. B.Sivaselvan recommended the percentage adoption of J component (project) can be increased in more courses. If J component is not applicable, then P component(practical) can be incorporated.
 - Dr. B.Sivaselvan also suggested to include lab component for elective courses wherever applicable.
 - Dr. B.Sivaselvan suggested to make the Social Media Marketing as an elective subject.
9. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery
- Dr. C.Mala recommended the usage of Virtual Labs at NIT, Surathkal as online platform for conduction and evaluation for lab courses in the current situation.
 - All the members recommended online tools for lab conduction and assessment.
10. Best Practices followed in (External) Member's Institutions
- Dr. P.Bhagavathi Sivakumar suggested to involve industry experts from the inception of the project during their 6th semester summer vacation.
11. Any other matters (with the permission of Chairman, BoS) - Nil

S.No.	Members	Digital Signature
1	Dr. M.Alamelu, ASP & HoD	
2	Dr. N.K.Karthikeyan, Professor & HoD, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore	
3	Dr. P.Bhagavathi Sivakumar, Associate Professor- Vice Chairperson, Computer Science School of Engineering, Amrita University, Coimbatore	
4	Dr. T.S.Pradeep Kumar, Associate Professor, School of Computer Science and Engineering, VIT, Chennai	

5	Dr. C.Mala, Professor, Department of Computer Science and Engineering, National Institute of Technology, Tiruchirappalli	
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6	Dr. B.Sivaselvan, Associate Professor, Department of Computer Science and Engineering, Indian Institute of Information Technology, Design and Manufacturing, Kanchipuram	Digitally signed by Dr B Sivaselvan DN: cn=Dr B Sivaselvan, o=IIITDM Kancheepuram, ou=Dept of CSE, email=sivaselvanb@iiitdm.ac.in, c=IN Date: 2021.06.21 20:03:53 +05'30'
7	Mr. Vidhya Prakash Sivashanmugam, Systems Development Manager, Amazon, Hyderabad	Vidhya Prakash Sivashanmugam
8	Mr.Prakash Subramaniam, Principal Consultant, Thought Works, Coimbatore	
9	Mr. K. Dhandapani, Senior Associate, Robert Bosch, Coimbatore	 Recoverable Signature  Dhandapani K <hr/> Dhandapani Kumar Signed by: Dhandapani K
10	Mr.S.Sasi Kesavan, Software Development Engineer, Amazon, USA	
11	Dr.L.Latha, Professor/CSE, KCT	

Distribution

- 1.All members-with request to give their comments on the minutes
- 2.Convener

Copy for kind information

- 1.Chairman-Academic Council and Principal
- 2.Correspondent
- 3.Joint Correspondent



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Department Board of Studies Meeting Minutes

Department: Information Technology

Program: B.Tech

Venue: Online – MS Teams

Date: 21.11.2020

Time: 10:00 AM

AGENDA

1. Vision & Mission of the Department
2. PEOs, POs and PSOs
3. Review of previous BoS meeting
4. Review of previous Department Advisory Board Meeting
5. Discussion on
 - Curriculum and Syllabus
 - Course Delivery and Assessment Methods
 - Content Beyond Syllabus
 - Faculty Specialization
 - Training Needs
 - Infrastructure requirements
6. Concluding remarks by Chairperson



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Department Board of Studies Meeting Minutes

Department: Information Technology

Program: B.Tech

Venue: Online – MS Teams

Date: 21.11.2020

Time: 10:00 AM

1. Welcome note and introduction of members by chairperson

The Board of Studies meeting for Information Technology department was held on November 21, 2020 at 10:00 AM in MS Teams. The meeting was chaired by Dr.M.Alamelu, Chairperson – BoS for B.Tech. (Information Technology) programmes.

Internal & External Members

S.No.	Name & Designation	
1.	Principal	Dr.J.Srinivasan
2.	Dean Academic	Dr.D.Saravanan
3.	Chairperson	Dr. M.Alamelu, ASP & HOD
4.	Anna University Nominee	Dr. N.K.Karthikeyan, Professor & HoD, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore
5.	Academic Expert	Dr.T. S. Pradeep Kumar, Associate Professor School of Computer Science and Engineering, VIT, Chennai
6.		Dr.C.Mala, Professor, Department of Computer Science and Engineering, National Institute of Technology, Tiruchirappalli
7.		Dr. Sivaselvan B, Associate Professor, Department of Computer Science and Engineering, Indian Institute of Information Technology, Design and Manufacturing, Kanchipuram
8.	Industry Expert	Mr. Vidhya Prakash Sivashanmugam, Systems Development Manager, Amazon, Hyderabad
9.		Mr.Prakash Subramaniam, Principal Consultant, Thought Works, Coimbatore
10.	Alumni	Mr. K. Dhandapani, Senior Associate, Robert Bosch, Coimbatore
11.	Special Invite	Dr.L.Latha, Professor/CSE, KCT

12.	BoS Coordinator	Dr. V. Vanitha, Prof /IT
13.	Faculty Representatives	Dr. N. Rajathi, Professor/IT
14.		Dr. G. S. Nandakumar, ASP/IT
15.		Dr. V. Vijilesh, ASP/IT
16.		Dr. P. C. Thirumal, ASP/IT
17.		Ms. S. Sathyavathi, AP(SRG) /IT
18.		Ms. P. Shenbagam, AP - II /IT
19.		Ms. S. Kavitha, AP - II/IT
20.		Mr. S. Kanagaraj, AP - II /IT
21.		Ms. G. Prema Arokia Mary, AP-I/IT
22.		Mr. A. Suresh, AP-I/IT
23.		Ms. M. N. Saroja AP-I/IT
24.	Student Representative	Ms.Priyadharshini & Mr. Yeshwanth R, IV year B.Tech-IT

2. Presentation on Vision, Mission, PEO, PO and PSO

- Chairman presented the agenda and department vision, mission and Programme Educational Objectives.
- DAB meeting minutes and BOS meeting minutes were reviewed

3. Curriculum and Syllabus - balance of courses as per domain, pre-requisites

Committee members approved the following amendments in the R17 and R18 Curriculum:

1.Replacing the course “**Professional Communication & Analytical Reasoning**” by a Professional Elective.

2.Including the following professional electives:

1. Business Intelligence
2. Natural Language Processing
3. Information Retrieval Techniques

3.All courses offered to protosem students

Dr.N.K. Karthikeyan recommended more weightage for NPTEL courses to the extent of mapping of grades in NPTEL to credits and vouched for its quality content.

Dr.C. Mala and Dr.B.Sivaselvan recommended at least one or two courses of NPTEL and other quality MOOCs as electives for B.Tech students, so that students will be exposed to diversified learning. Also recommended internships as it gives exposure to Industry projects and establish more contacts and collaborations with Industry.

Dr.T.S. Pradeep Kumar appreciated the embedded subjects, an approach for giving good practical exposure and recommended the internship and the possibility of transformation of internship into career position.

Mr. Prakash Subramaniam suggested equal emphasis on practical and theory components and also insisted from the industry perspective, learning anyone programming language in depth is better than breadth-wise knowledge of many languages. Also recommended to provide student internship opportunities, so they will be exposed to real world problems.

All the expert members recommended students to be strong in fundamental concepts.

4. Course Delivery - Mode and effectiveness

All the expert members strongly recommended NPTEL contents

5. Course Assessment - Mode and effectiveness

Dr.T.S. Pradeep Kumar and Dr.N.K. Karthikeyan recommended students' participation in hackathon competitions and this will lead to the evaluations in peer-grade assessments. This will also enhance patenting and industry collaboration.

6. Infra requirement, upgradation - NIL

7. Student's knowledge and skill development

Expert members recommended internships, hackathon and NPTEL courses

8. Faculty and support faculty development / training - NIL

9. Faculty qualification/ specialisation – recommendation - NIL



Dr.M.Alamelu,

HoD/IT and Chairman-BoS

Distribution

- 1.All members-with request to give their comments on the minutes
- 2.Convener

Copy for kind information

- 1.Chairman-Academic Council and Principal
- 2.Correspondent
- 3.Joint Correspondent



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Department Board of Studies Meeting Minutes

Department: Information Technology

Program: B.Tech

Venue: Conference room, III floor (near PMO office) admin block

Date: 01.12.2018

Time: 9.30 am

AGENDA

1. Welcome and introduction of members by Chairperson, BoS
2. Presentation of proceedings of PAC by Program Coordinator (CO - PO mapping, CO, PO attainment)
3. Presentation of previous meeting minutes and action taken
4. Presentation and deliberation on curriculum and syllabus
5. Presentation and deliberation on course delivery and assessment methods
6. Deliberation on beyond class / syllabus with regard to knowledge and/or skill updation.
7. Prescribing faculty qualification / specialisation for recruiting new faculty
8. Identifying area for faculty and support faculty training
9. Suggesting augmentation of infrastructure - laboratory equipment / software purchase
10. Concluding remarks by Chairperson.



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Department Board of Studies Meeting Minutes

Department: Information Technology

Program: B.Tech

Venue: Conference room, III floor (near PMO office) admin block

Date: 01.12.2018

Time: 9.30 AM

1. Welcome note and introduction of members by chairperson

The Board of Studies meeting for Information Technology department was held on December 1, 2018 at 09.30 AM in the conference room (near PMO office), KCT. The meeting was chaired by Dr. V.Vanitha, Chairman – BoS for B.Tech.(Information Technology) programmes.

Internal & External Members

S.No.	Name & Designation	
1.	Vice Principal	Prof.M.Prema
2.	Chairperson	Dr. V. Vanitha, Prof. & HoD
3.	Anna University Nominee	Dr.R.Krishnamoorthy, Professor, Department of CSE & IT, Bharadhidasan Institute of Technology Campus, Anna University, Tiruchirappalli
4.	Academic Expert	Dr. S. Varadhaganapathy, HoD, Department of Information Technology, Kongu Engineering College, Perundurai
5.		Dr. P. Bagavathi Sivakumar, Associate Professor & Vice Chairperson, Computer Science, School of Engineering, Amrita University, Coimbatore
6.	Industry Expert	Mr. M. Guha Rajan, Program Manager, Oracle India Pvt. Ltd., Chennai
7.	Co-opt member	Dr. Parveen Sultana, Associate Professor, School of Computing Science and Engineering, Vellore Institute of Technology, Vellore
8.	Alumni	Mr. K. Sridhar, Senior Software Engineer, Robert Bosch Engineering and Business Solutions Pvt. Ltd, Coimbatore
9.	Head - Accreditation	Dr. V. Geetha, Professor/MCA
10.	Head - Autonomous	Dr. C.S. Senthil Kumar, Professor/FT

11.	DOA	Dr. Vinohar Stephen Raphael, ASP/BT
12.	Other Department faculty	Dr.K.R.Baskaran, Professor/CSE
13.	BOS Coordinator	Ms. S. Sathyavathi, AP(SRG) /IT
14.	Program Coordinator	Ms. P. Shenbagam, Assistant Professor II
15.	Module Coordinators	Dr. N. Rajathi, ASP/IT
16.		Dr. N. Suganthi, ASP/IT
17.		Ms. S. Kavitha, AP - II/IT
18.	Faculty Representatives	Dr.G.S.Nandakumar, ASP/IT
19.	Faculty Representatives	Dr.G.S.Nandakumar, ASP/IT
20.		Mr. S. Kanagaraj, AP - II /IT
21.		Dr. M. Alamelu, AP-II/IT
22.		Ms. G. Prema Arokia Mary, AP-I/IT
23.		Mr. A. Suresh, AP-I/IT
24.		Ms. M. N. Saroja AP-I/IT
25.		Ms. V. Harini, IV year/IT
26.	Student Representative	Mr.C.Prince Jayaseelan, IV year/IT
27.		Mr.D.V.Sujith Kumar, IV year/IT - Association President

2. Presentation on Vision, Mission, PEO, PO and PSO

- The Chairman briefed about the minutes of PAC meeting, CO-PO mapping and attainment, deliberation on curriculum and syllabus, course delivery and assessment methods of Regulations 2017 and 2018.
- Dr.Krishnamoorthy suggested to involve industry persons in the Program Assessment Committee(PAC).
- The external members asked about the CO-PO attainment process and the same was explained.

2. Curriculum - balance of courses as per domain, pre-requisites

- The external committee members informed to reframe the content of ' Web Application Security' course by competent experts.Mr.Shridhar informed to add 'Web Technology' as a prerequisite .
- The following courses were introduced in R15 curriculum
 - i)U15ITE038 - Machine Learning, U15ITE039-Blockchain Technology-Credits 3
 - ii) U15ITIN15 – Full Stack Development - Credits 1

3. Syllabus - updation and relevance to industrial, career requirement

- HoD briefed about the changes suggested in R17 and R18 curriculum.
 - Social media marketing course is introduced instead of Engineering Economics and Management. Dr. Bagavathi Sivakumar suggested to include the basics of engineering economics and management as one unit in that course.
 - Machine Learning course is introduced as core course in R17 and R18 curriculum. Dr. Bagavathi Sivakumar informed to introduce an overview of deep learning in that syllabus.
- Dr. Vanitha informed that theory course with embedded lab component are introduced in R17 and R18 regulations. Dr. Krishnamoorthy suggested to give more weightage for the projects given in the lab component for the courses like DBMS and Software Engineering.
- Dr. Krishnamoorthy informed to verify the overlapping topics in the courses Artificial Intelligence, Machine Learning and Deep Learning. In addition, Dr. Bagavathi Sivakumar suggested to include ANN, CNN, RNN, Auto encoders and activation function in the deep learning course and name the course as 'Neural Network and Deep Learning'.
- Visualization Techniques course covers most of the topics related to statistical techniques. Dr. Krishnamoorthy asked to verify the course content and Dr. Bagavathi Sivakumar suggested to make use of Edx course content and use open source tools.
- In Graphics and Multimedia course, compression techniques to be removed since it is already covered in Information Coding Techniques. The topics like texture mapping, wrapping, animation, multimedia database and hypermedia can be included. Dr. Krishnamoorthy suggested to merge unit I and II and finally have a syllabus with 3 units of graphics and 2 units of multimedia as provided in Anna University syllabus.
- Dr. Bagavathi Sivakumar suggested to refer the book titled 'Implementing Biometric Security' for the course 'Biometric Systems'.
- Dr. Parveen Sultana suggested that the title of unit V to be changed as 'Data Management in WSN' for the course 'Adhoc Sensor Networks' and insisted to include the latest edition of reference books.

- Compiler Design course may be tool based and groupwise projects to design a compiler may be tried out.

4. Course Delivery - Mode and effectiveness

The committee members accepted the following delivery methods.

- Lecture, problem solving and tools demonstration
- Online course materials
- Video lectures of MOOC.
- GATE questions

5. Course Assessment - - Mode and effectiveness,

The committee members accepted the following Course Assessment methods.

- Internal tests
- End semester exam
- Group presentation
- Mini projects
- NPTEL assessment and online certification

6. Infra requirement, upgradation

- Existing infrastructure meets the current requirements.

7. Student's knowledge and skill development

- Dr.Krishnamoorthy suggested to provide advanced topics related to each topic in the course for content beyond syllabus.This is may be decided by the course handling faculty.

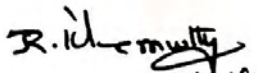
8. Faculty and support faculty development / training

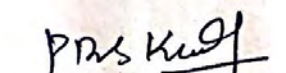
- Faculty training in Machine Learning tools like Tensorflow is planned in the forth coming semester.
- Dr. Krishnamoorthy suggested to Vice Principal to give relevant industrial training to the faculty.

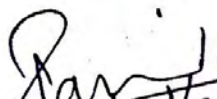
- Mr. Bagavathi Sivakumar suggested to go for MoU with 'Google' and make use of the free training programs offered through 'Google Faculty Institute'.


9. Faculty qualification/ specialisation - recommendation

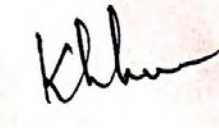
Existing faculty qualification/ specialisation meets the requirements.

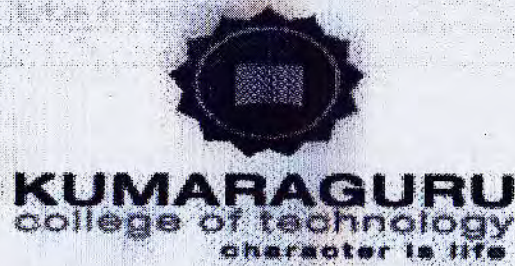

Dr. R. Krishnamoorthy
1-12-18


Dr. P. Bagavathi Sivakumar
1/12/18


Dr. Parveen Suthan
1/12/18


Mr. K. Sridhar


K.R. Baskaran



Department of Information Technology

Meeting for Board of Studies conducted on 17.02.2018 - Attendance

Date: 17.02.2018

S.No.	Name & Designation	Signature
Name of the University Nominee		
1.	Dr.R.Krishnamoorthy Professor Department of CSE & IT Bharadhasan Institute of Technology Campus Anna University-Tiruchirappalli	<i>R.K. Krishnamoorthy</i> 17.2.18
Name of the expert nominated by Academic Council (outside the college)		
2.	Dr.S.Varadhaganapathy HoD/ IT Dept. of Information Technology Kongu Engineering College Perundurai	<i>S. Varadhaganapathy</i> 17/2/18
3.	Dr.P.Bhagavathi Sivakumar Asso. Professor & Vice Chairperson Computer science School of Engineering Amrita University, Coimbatore	<i>P. Bhagavathi Sivakumar</i> 17/2/18
Name of the representative from Industry		
4.	Mr. M. Guha Rajan Program Manager Oracle India Pvt. Ltd. Chennai	<i>M. Guha Rajan</i> 17/2
Under Graduate meritorious alumni nominated by Principal		
5.	Mr. K. Sridhar Senior Software Engineer Robert Bosch Engineering and Business Solutions Pvt. Ltd, Coimbatore	<i>K. Sridhar</i>
Co-opt member(expert from outside the college whenever special courses of studies are to be formulated)		
6.	Dr.Parveen Sultana Associate Professor School of Computing Science and Engineering VIT,Vellore	<i>Dr. Parveen Sultana</i> 17/2/18

S.No.	Name & Designation	Signature
Internal Members		
7.	Dr.V.Vanitha Professor & Head/IT (Chairman BOS) Kumaraguru College of Technology	<i>hlt</i>
8.	Dr. K.R. Baskaran Professor Kumaraguru College of Technology	<i>K.R. Baskaran</i>
9.	Dr. N.Suganthi Associate Professor/IT Kumaraguru College of Technology	<i>N. Suganthi</i>
10.	Ms.P.Shenbagam Assistant Professor-II/IT Kumaraguru College of Technology	<i>Shenbagam</i>
11.	Ms.S.Kavitha Assistant Professor-II/IT Kumaraguru College of Technology	<i>S. Kavitha</i>
12.	Mr.S.Kanagaraj Assistant Professor-II/IT Kumaraguru College of Technology	<i>S. Kanagaraj</i>
13.	Dr.M.Alamelu Assistant Professor-II/IT Kumaraguru College of Technology	<i>M. Alamelu</i>
14.	Mr. A. Sourabh Modi Assistant Professor-II/IT Kumaraguru College of Technology	<i>Sourabh</i>
15.	Ms.G.Prema Arokia Mary Assistant Professor-I/IT Kumaraguru College of Technology	<i>G. Premia</i>
16.	Mr.A.Suresh Assistant Professor-I/IT Kumaraguru College of Technology	<i>A. Suresh</i>
17.	Mr.L.Hariprasath Assistant Professor-I/IT Kumaraguru College of Technology	<i>L. Hariprasath</i>
18.	Ms.M.N.Saroja Assistant Professor-I/IT Kumaraguru College of Technology	<i>M. N. Saroja</i>
19.	Dr. VijayaPrakash COE/Coordinator Autonomous (ex-officio member-nominated by principal)	<i>V. Prakash</i>

M. Chandrakumar
E. Praveen Kumar
R. Hemalatha

Dr. V. Stephen / DOA

E. A. Vimal

P. Devaki

M. C. M. H.
E. R. Q.

R. F. H. L.

HoD-IT / Chairman-BOS

hlt

17/2/18

Points Discussed:

- Dr. V. Vanitha proposed the changes done in R17 curriculum. The following changes were accepted by all the members after a long discussion and be forwarded to Academic Council:

S.No	Changes done	Reason
1.	Information Coding Techniques and Mobile & Pervasive Computing courses are moved to elective.	To reduce overall credits.
2.	Introduced Constitution of India and Environmental Science as non credit courses	AICTE recommendations
3.	Discrete Mathematics becomes core from elective and Numerical Methods becomes elective from core.	As per IEEE-CSAB
4.	Open elective starts from fifth semester.	For interdisciplinary courses
5.	Probability & Statistics and Linear Algebra with embedded lab courses are swapped	To balance third and fourth semester workload
6.	DBMS and Principles of Communication courses are swapped.	
7.	Principles of Compiler Design and Discrete Mathematics courses are swapped.	To balance sixth and seventh semester workload
8.	Data Analytics in sixth semester is moved to 7 th semester and one more elective course is introduced in 7 th semester.	

- Minor and Honor specialization courses introduced in R17 and R18 are appreciated and accepted by all the members. The suggested program elective tracks were appreciated by all the members.
- All the members insisted on teacher based assessment for each course for minor and honor specialization.
- Dr. Parveen Sultana suggested that the open elective courses, Internet of Things and Sensors Actuators and Interfaces can be combined as a single course. For the above course, project component can be added instead of laboratory component.
- The committee accepted to introduce the following one credit courses and professional elective courses in the R15 Regulation.
 1. U15ITIN12 – Python Programming – 1 credit
 2. U15ITIN13 – Progressive Web apps – 1 credit
 3. U15ITE037 – Problem Solving – 4 credits
- The curriculum and syllabi for R17 and R18 is approved as given in the attachment.
- HOD thanked all the members of the BoS for their presence and for their valuable suggestions.

Dr.R.Krishnamoorthy

R. Krishnamoorthy 13/2/18

Dr.S.Varadhaganapathy

S. Varadhaganapathy 17/2/18

Dr.P.Bhagavathi Sivakumar

P. Bhagavathi Sivakumar 17/2/18

Mr.M. Guha Rajan

M. Guha Rajan 17/2/18

Mr.K. Sridhar

K. Sridhar 17/2/18

Dr.Parveen Sultana

Dr. Parveen Sultana 17/2/18

Chairman BoS 17/2/18



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COLLEGE OF TECHNOLOGY

NAAC (National Assessment and
Accreditation Council)

GRADE
A++

Mechatronics Engineering



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and
Accreditation Council)

GRADE
A++

Mechatronics Engineering

Sl. No.	Date of Board of Studies meeting
1.	04.02.2023
2.	12.07.2022
3.	20.12.2021
4.	12.06.2021
5.	25.11.2020
6.	30.11.2018
7.	26.03.2018



KUMARAGURU COLLEGE OF TECHNOLOGY
COIMBATORE- 641 049
(An Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF MECHATRONICS ENGINEERING

Ref: KCT/MCE/BOS/MOM

Date: 04.02.2023

MINUTES OF THE 20th BOARD OF STUDIES MEETING

- The Board of Studies Meeting for Mechatronics Engineering was held on 04.02.23 at 11.00 AM in Online mode (MS Teams).
- **External Members:**

Dr. R Velavan University Nominee,	Professor Department of Mechanical Engineering PSG College of Technology Peelamedu, Coimbatore-641004 Email: vel.mech@psgtech.ac.in Ph No: 9443059745
Dr. C. Sathiya Narayanan Academic Expert	Associate Professor Production Engineering Department, NIT Trichy - 620 015 TamilNadu , INDIA Email: csathiya@nitt.edu Mobile: +91 8056615876
Dr.P.Magaiyarkarasi Subject Expert	Associate Professor Department of Electronics and Instrumentation Engg Government College of Technology, Coimbatore. Email : mangaiyarkarasip80@gmail.com Ph no: 9095429218
Mr Senthil Prakash Industry Expert	CEO Spark Drives and Automation Athipalayam Road Chinnavedam Patty, Coimbatore - 641049 Tamil Nadu, India Email: senthil@sparkdna.in 9943436544
S.Sanjay	Sanjayrathinam178@gmail.com Ph no: 9791899889

Internal Members

Dr. M. Saravanamohan, Head of the Department
Dr. A. Vasuki, Professor
Dr. K. Akila, Associate Professor
Dr.B. Sabitha, Assistant Professor (SRG)
Mr.A.Ramkumar, Assistant Professor II
Mr. T. Suresh, Assistant Professor II
Mr. K. Murugesan, Assistant Professor
Mr. R. Raffik, Assistant Professor
Mr. R. Saravanan, Assistant Professor
Mr.P. Magudapathi, Assistant Professor
Mr. J. Sivaguru, Assistant Professor

Dr. M. Saravana Mohan, Chairman of BOS welcomed the guest members for Board of studies meeting and highlighted the importance of Curriculum 2022(R22).

The main objective of this meeting was to

1. Action taken report on previous BOS meeting.
2. Programme Assessment committee (PAC) Meeting minutes.
3. Department Advisory Board (DAB) meeting minutes.
4. Targets for CO / PO for Academic Year 2023-24
5. Members suggestions for new curriculum - Regulations 2023 (R2023)





The following points were discussed:

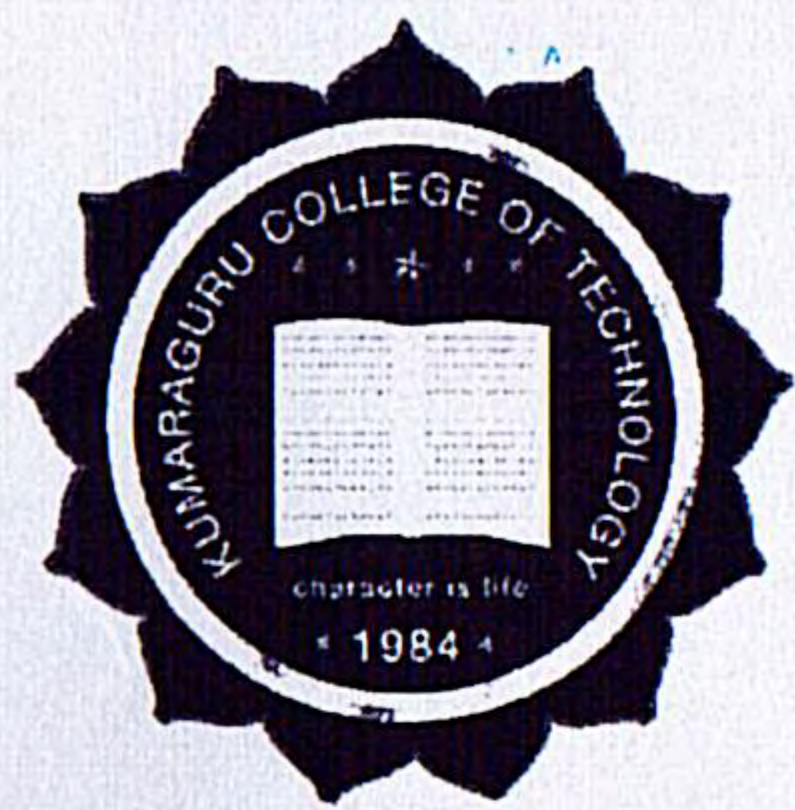
- Head of the department welcomed and introduced the external members.
- Department BOS Coordinator started the meeting with introduction on of the Module Coordinators and their role.
- BOS coordinator Discussed about PAC and DAB meeting minutes.
- Approved attainment level for CO /PO Target :
 - If 51% to 60% - Attainment level 1
 - If 61% to 70% - Attainment level 2
 - If 71% to 80% - Attainment Level 3
- Target based on the category of the subjects
 - Theory courses as 75%
 - Analytical Courses as 70%
 - Laboratory courses as 85%.

- The R23 curriculum discussed ,the suggestion given by members are as follows,
- Anna University nominee suggested to remove the “Basic of mechatronics system course”.
- Also suggested to offer the Minor specialization from 5th semester onwards as per Anna University Norms that is per semester two courses to be taken.
- Also suggested to give NPTEL Courses as an additional mandatory courses from 5th semester onwards.
- Minor specialization in robotics curriculum and syllabus was discussed ,
- Fundamental of Robotics :
 - Members suggested to change the CAD for robotics module content.
 - Any application part can be added in this module.
- Robot control using Arduino and Raspberry Pi
 - Name of the Raspberry Pi to be removed and add a generalized name .
- Industrial robotics
 - End effector can be specific for an application.
- One credit course on “ROS” was planned for 2020 batch and 2021 batch onwards and the syllabus was discussed.



Chairman-BOS Department of
Mechatronics Engineering

Signature of the members	
University Nominee	
Academic expert	C. S. A. N. L. +
Subject expert	P. Mangunaji
Industry member	
Alumni Member	
Student member	



KUMARAGURU COLLEGE OF TECHNOLOGY COIMBATORE– 641 049

(An Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF MECHATRONICS ENGINEERING

Ref: KCT/MCE/BOS/MOM

Date: 21.07.2022

MINUTES OF THE 19th BOARD OF STUDIES MEETING

The Board of Studies Meeting for Mechatronics Engineering was held on 12.07.22 at 10.00 AM in Online mode (MS Teams).

External Members

Dr. R .Velavan University Nominee	Professor Department of Mechanical Engineering PSG College of Technology Peelamedu, Coimbatore-641004 Email: vel.mech@psgtech.ac.in Ph.No:9443059745
Dr. C. Sathiya Narayanan Academic Expert	Associate Professor Production Engineering Department, NIT Trichy - 620 015 Email: csathiya@nitt.edu Ph.No:8056615876
Dr.P.Magaiyarkarasi Subject Expert	Associate Professor Department of Electronics and Instrumentation Engg Government College of Technology, Coimbatore. Email :mangaiyarkarasip80@gmail.com Ph.No: 9095429218
Mr.P.Senthil Industry Expert	CEO Spark Drives and Automation Athipalayam Road Chinnavedam Patty, Coimbatore - 641049 Email: senthil@sparkdna.in Ph.No:9943436544
Mr.S.V.Sathish Kumar Alumni Member	Software Development Analyst Accenture Pvt Ltd,Bangalore Email : svsathishkumar12@gmail.com Ph.No:9566478857
Mr.D. Rakesh Student Member	Final Year Student rakesh.18mc@kct.ac.in Ph.No:9384619121

Internal Members

Dr. M. Saravanamohan , Head of the Department
Dr. A. Vasuki , Professor
Dr. K. Akila , Associate Professor
Dr.B. Sabitha , Assistant Professor III
Mr.A.Ramkumar , Assistant Professor II
Mr. T. Suresh , Assistant Professor II
Mr. K. Murugesan , Assistant Professor II
Mr. R. Raffik , Assistant Professor II
Mr. R. Saravanan , Assistant Professor II
Mr.P. Magudapathi , Assistant Professor
Mr. J. Sivaguru , Assistant Professor II

Dr. M. Saravana Mohan, Chairman of BOS welcomed the members of Board of studies meeting and highlighted the importance of Curriculum 2022(R22).

The main objective of this meeting was to

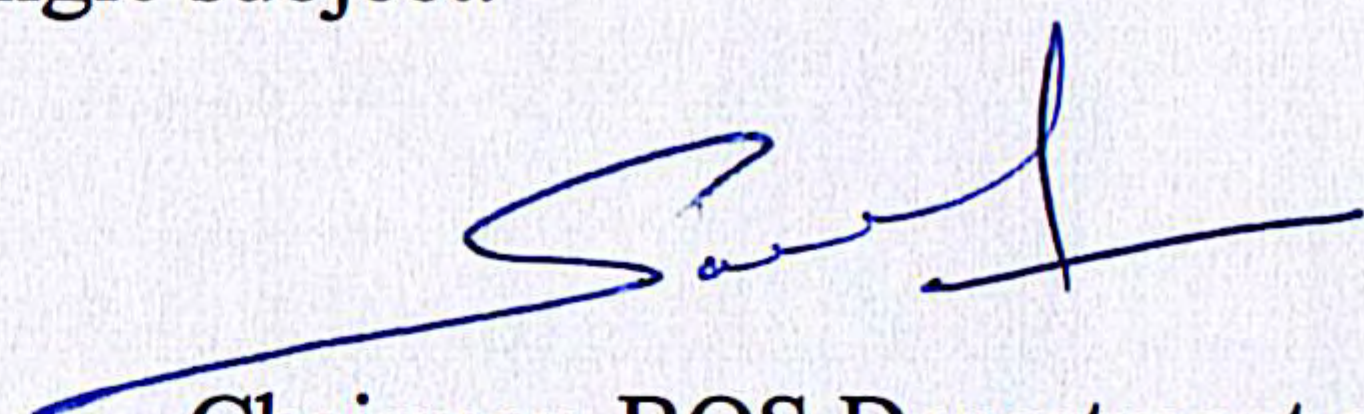
1. Action taken report on previous BOS meeting.
2. Programme Assessment committee (PAC) Meeting minutes.
3. Department Advisory Board (DAB) meeting minutes.
4. Stakeholders feedback
5. Targets for CO / PO for Academic Year 2022-23
6. Members recommendations for implementing NEP 2020.
7. Members suggestions for new curriculum - Regulations 2022 (R2022)

The following points were discussed:

- Head of the department welcomed and introduced the external members.
- Department BOS Coordinator started the meeting with brief explanation about the Module Coordinator and their responsibilities.
- Explained the AICTE Credit system and the credit split up.
- Stake holder feedback and the action taken report is also discussed.
- Discussed about PAC meeting minutes and DAB minutes.
- Approved targets for CO Target:
 - If > 55% to <65% - Attainment Level 1
 - If >66% to <75% - Attainment Level 2
 - If >76% to < 85% -Attainment Level 3

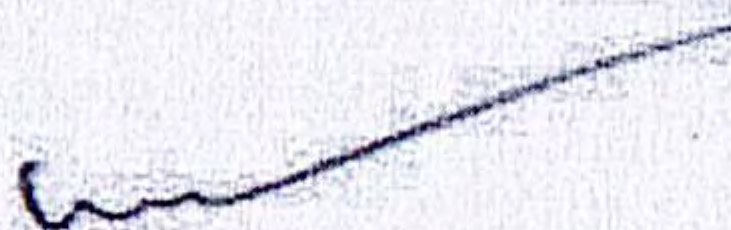

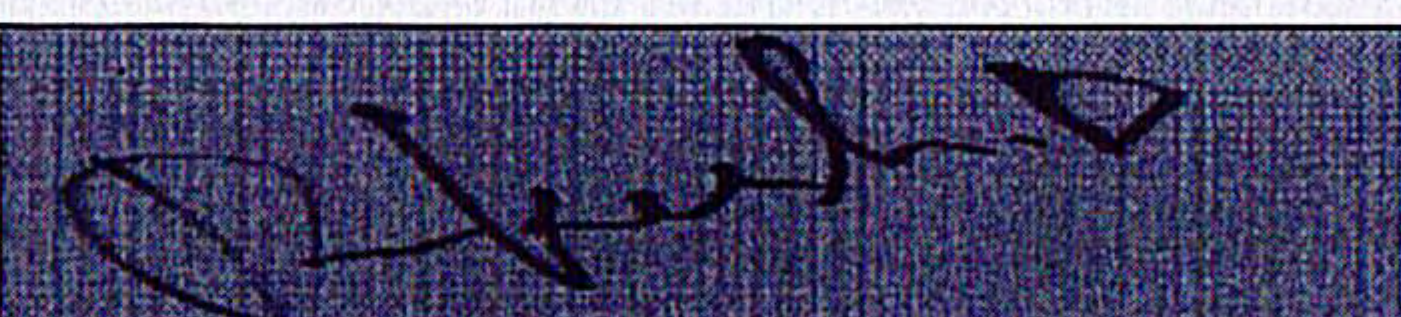
- Approved targets for PO Target:
 - If > 50% to <60% - Attainment Level 1
 - If >60% to <70% - Attainment Level 2
 - If >70% to < 80% -Attainment Level 3
- Member requested to identify the previous curriculum PO attainment gap and improvise in the next curriculum.
- Anna University Nominee suggested providing special class or providing additional credit for the SEM 1 and 2 basic courses for lateral entry students to gain knowledge in the basic courses.
- Member suggested remove the basic physics and chemistry courses and add the Mechatronics core course in the first and second semester.
- Members suggested to have Fluid mechanics and machineries and thermal science course as a separate course. If it is needed as a combined course due to credit constrain tutorial content should be added. Also suggested to refer some NPTEL course related to the subject and additional credit can be given.
- Industry members suggested, instead of kit-based experiments more controller-based experiments can be added.
- Anna university member, suggested to shift Industrial automation and IOT to 6th semester/7th semester.
- Fundamentals of project course instead of a one credit course it can be given as a special workshop in seventh semester and that credit can be included in the any course.
- Members suggested to rename Composite and Smart Materials to Smart materials and structures and the syllabus can be framed according to the topic.
- Members also suggested to have data analytics course, simulation tools and software algorithm as a new course.

- Alumni member suggested to have data structure and algorithm as a course in the Sem 1 or 2 instead of python or C programming Course.
- Student member requested to have Fluid mechanics and thermal science as separate subject and Physics and chemistry course as a single subject.



Chairman-BOS Department of
Mechatronics Engineering

Dr. M. SARAVANAMOHAN, M.E, Ph.D
Assoc. Professor & Head
Department of Mechatronics Engg.
Kumaraguru College of Technology
Coimbatore - 641 049.

Signature of the members	
University Nominee	
Academic expert	C. S. N. N. L.
Subject expert	P. Mangayarkkani
Industry member	
Alumni Member	P. V. Dattatraya
Student member	



KUMARAGURU COLLEGE OF TECHNOLOGY
COIMBATORE– 641 049
(An Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF MECHATRONICS ENGINEERING

Ref: KCT/MCE/BOS/MOM

Date: 29.12.2021

MINUTES OF THE 18th BOARD OF STUDIES MEETING

- The Board of Studies Meeting for Mechatronics Engineering was held on December 20th 2021 at 11.00 AM in Online mode (Google Meet).
- **External Members:**

Dr. R Velavan
University Nominee,
Professor
Department of Mechanical Engineering
PSG College of Technology
Peelamedu, Coimbatore-641004
Email: vel.mech@psgtech.ac.in
Ph No:9443059745

Dr. C. Sathiya Narayanan
Academic Expert
Associate
Professor,
Production Engineering Department,
NIT Trichy - 620 015
TamilNadu , INDIA
Email: csathiya@nitt.edu
Mobile: +91 8056615876

Dr.P.Magaiyarkarasi
Subject Expert
Associate Professor
Department of Electronics and Instrumentation Engineering
Government College of Technology,
Coimbatore
Email :mangaiyarkarasip80@gmail.com
Ph no: 9095429218

Mr Senthil Prakash
Industry Expert
CEO
Spark Drives and Automation
Athipalayam Road Chinnavedam Patty,

Coimbatore - 641049 Tamil Nadu, India Email: senthil@sparkdna.in 9943436544
Mr.N. Indrajith Alumni Software Engineer Robert Bosch Coimbatore Email : nindrajith7@gmail.com Ph No:9626465304
Mr.V Sai Prasanth Final Year
Mr.Ranganathan Parent of Adhitya(Final Year) General Manager LMW Coimbatore

Internal Members

Dr. M. Saravanamohan , Head of the Department
Dr. R. Venkatesan , Professor
Dr. A. Vasuki , Professor
Dr. K. Akila , Associate Professor
Dr.B. Sabitha , Assistant Professor (SRG)
Mr.A.Ramkumar , Assistant Professor II
Mr. T. Suresh , Assistant Professor II
Mr. K. Murugesan , Assistant Professor
Mr. R. Raffik , Assistant Professor
Mr. R. Saravanan , Assistant Professor
Mr. P. Anush , Assistant Professor
Mr.P. Magudapathi , Assistant Professor
Mr. J. Sivaguru , Assistant Professor

Dr. M. Saravana Mohan, Chairman of BOS welcomed the guest members for Board of studies meeting and highlighted the importance of Regulations 2018(R18).

The main objective of this meeting was to

1. Review on the curriculum.
2. Action taken report on previous BOS meeting, PAC and DAB meeting.
3. Stake holder's feedback regarding R18.
4. Minor specialization- 3D Printing.
5. Additional Credit requirement.
6. Recommendation of new one credit / Value Added Courses.

The following points were discussed:

- Head of the department welcomed and introduced the external members.
- Department BOS Coordinator started the meeting with the objective of the BOS meeting.
- BOS coordinator discussed about the previous BOS meeting minutes, Current PAC and DAB Meeting.
- The action taken report for PAC and DAB meeting, from the inputs by various stake holder was discussed. The following points have been highlighted by the guest members.
 1. Project management training to be given to the students.
 2. Target for the courses was suggested.
 3. Few professional electives should be an practical based
- It is to record that the given suggestion at the DAB meeting can be updated from the upcoming regulation (R22).
- **Minor specialization syllabus discussion:**
- The department offers 3D printing as minor specialization program, which has five courses and reviewed each course syllabus content
- In Fundamental of 3D printing, Properties of the materials must be more specific related to additive manufacturing. Metallatic and alloys can be represented materials for 3D printing can be given.
- Equal distribution of contact hours to be given and COs specific to theory and laboratory component are to be updated.
- Member suggested to add a reference book “Additive Manufacturing of Metals: Fundamentals and Testing of 3D and 4D Printing by Hisham Abdel-Aal”
- Post processes like Surface removal, sanding, polishing to be included in Additive manufacturing Process.
- Each COs to be given for each module in Additive Manufacturing Course.
- In 3D printing in Mechatronics Course, repletion on the content to avoided.
- Members suggested to brief the list of experiments in minor specialization course
- **Method of Teaching :**
University nominee requested to have hybrid mode of teaching.



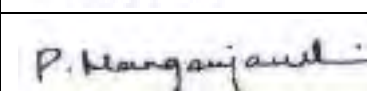
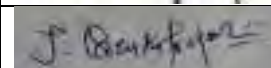
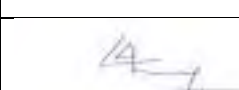
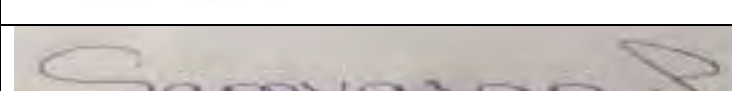
- **Additional Credit:**

Members approved for Additional credit requisition for a student who completed 3 NPTEL Courses and an Internship.



Chairman-BOS

Department of Mechatronics Engineering

Signature of the members	
University Nominee	
Academic expert	
Subject expert	
Industry member	
Alumni Member	
Student member	



KUMARAGURU COLLEGE OF TECHNOLOGY

COIMBATORE- 641 049

(An Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF MECHATRONICS ENGINEERING

Ref: KCT/MCE/BOS/MOM

Date: 14.06.2021

MINUTES OF THE 17th BOARD OF STUDIES MEETING

- The Board of Studies Meeting for Mechatronics Engineering was held on June 12th 2021 at 10.30 AM in Online mode (Google Meet).

- **External Members:**

Dr. R Velavan
University Nominee,
Professor
Department of Mechanical Engineering
PSG College of Technology
Peelamedu, Coimbatore-641004
Email: vel.mech@psgtech.ac.in
Ph No:9443059745

Dr. C. Sathiya Narayanan
Academic Expert
Associate Professor,
Production Engineering Department,
NIT Trichy - 620 015
TamilNadu , INDIA
Email: csathiya@nitt.edu
Mobile: +91 8056615876

Dr.P.Magaiyarkarasi
Subject Expert
Associate Professor
Department of Electronics and Instrumentation Engineering
Government College of Technology,
Coimbatore
Email :mangaiyarkarasip80@gmail.com
Ph no: 9095429218

Mr Senthil Prakash
Industry Expert
CEO
Spark Drives and Automation
Athipalayam Road Chinnavedam Patty,
Coimbatore - 641049
Tamil Nadu, India

Email: senthil@sparkdna.in 9943436544
Mr.N. Indrajith Alumni Software Engineer Robert Bosch Coimbatore Email : nindrajith7@gmail.com Ph No:9626465304
Mr.V Sai Prsanth Final Year

Internal Members

Dr. M. Saravanamohan , Head of the Department
Dr. R. Venkatesan , Professor
Dr. A. Vasuki , Professor
Dr. K. Akila , Associate Professor
Dr.B. Sabitha , Assistant Professor (SRG)
Mr.A.Ramkumar , Assistant Professor II
Mr. T. Suresh , Assistant Professor II
Mr. K. Murugesan , Assistant Professor
Mr. R. Raffik , Assistant Professor
Mr. R. Saravanan , Assistant Professor
Mr. P. Anush , Assistant Professor
Mr.P. Magudapathi , Assistant Professor
Mr. J. Sivaguru , Assistant Professor

Dr. M. Saravana Mohan, Chairman of BOS welcomed the members of the Mechatronics Engineering Department Board of studies meeting and highlighted the importance of Regulations 2018(R18).

The main objective of this meeting was to discuss about the

1. Action taken report on previous BOS meeting.
2. Introduction of new One Credit Courses / Program Electives / Open Electives
3. Addition of New Lab experiments in R2018 Courses
4. Stakeholders feedback and the changes recommended on (i) PEOs/PSOs, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
5. Targets for CO / PO for Academic Year 2021-22
6. Approval of panel of examiners for QP Setting / Lab Exams for AY 2021-22
7. Members recommendations for implementing NEP 2020.
8. Members deliberation on perceived gaps in existing curriculum and syllabus & suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

9. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery.
10. Best Practices followed in (External) Members' Institutions

The following points were discussed:

Head of the department welcomed and introduced the external members.

- Department BOS Coordinator started the meeting with the objective of the BOS meeting.
- BOS coordinator discussed about the previous BOS meeting minutes and the action taken regarding the subjects was discussed.
- The PAC meeting minutes about the vision, Mission, PSOs and PEOs statement changes for the R22 were discussed.
- BOS coordinator explained the AICTE credit system and Mechatronics Engineering discipline credit system.
- BOS Coordinator introduced the new open elective and new professional elective.
- Adding to it, PAC minutes and DAB meeting minutes were discussed.
- The Panel of examiners for QP setting was discussed.
- University nominee suggested to rephrase the Vision statement related to society
- Subject expert also suggested to reframe the PEO2.

Members suggestion for R2022:

- In electronics devices and circuit in 1st Unit title should be DC circuit Analysis and 2nd Unit title is Semiconductor devices. Reference books editions are recommended to be updated. In lab, open-source tools to be used.
- In fluid mechanics, Bernoulli's theorem application content need to be included.
- In sensor and signal conditioning, Course outcome CO 4 and 5 has same objective and can be merged to one. Signal conditioning of some transducers to be given in the 5th unit. In 4th Unit, Bio signals can be added.
- In digital and microprocessor, memory and I/O interfacing, addition of ADC interface is recommended.
 - Industrial electronics and drives, VFD drives content to be added.
 - In control engineering, Automatic control is process control strategies, regarding process, set point, degree of freedom and advanced control system need to be added.
 - PLC experiment is added in fluid mechanics subject but PLC taught only in 5th

semester. So subject expert requested to view it and make appropriate changes.

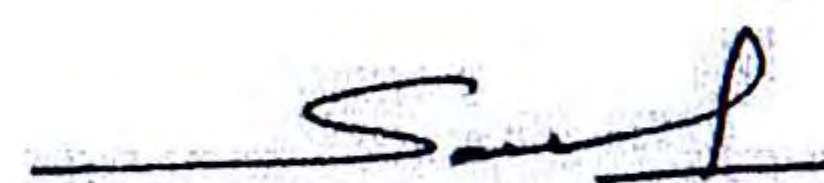
- In computer aided manufacturing FMS topic should be in separate unit.
- In robotics engineering subject, Robotic power systems topic is missing and to be added.
- Members suggested to give Automotive electronics as a compulsory elective.
- In maintenance engineering subject, smart Maintenance topic can be added.
- In Medical electronics more bio signal instruments can be included.
- MEMS subject title can be MEMS dynamic and control which can be related to Mechatronics.
- In open elective Magic and Mechanics, the hours allocated should be evenly done.
- Members suggested to have Arial robotics as one of the professional elective.
- CO in all subjects should be more common to all level.
- Condition monitoring subject to be taught more practical oriented.
- NPTEL Coordinator explained the progress of the student's participation in NPTEL.

Amendment:

- Constitution of India course is moved to 6th Semester for the benefit of the lateral entry students and the subject code is changed to U18INT6000.

Discussion on NEP2020:

- Improve students research and product development funded by KCT.



Chairman-BOS

Department of Mechatronics Engineering



Signature of the University Nominee

C. S. R. N. L.

Signature of Academic expert

P. Mangayandi

Signature of Subject expert



Industry member

Amy

Alumni Member

V. Sai Prasanth

Student Member



KUMARAGURU
college of technology
character is life

MINUTES OF BOARD OF STUDIES MEETING

Department: Mechatronics Engineering

Program: B.E

Venue: Google meet

Date: 25.11.20

Time: 11.00a.m

1. Welcome note and introduction of members by chairman

- a) Chairman invited all the expert members
- b) Chairman also explained about the objective of the meeting
- c) Chairman insisted the members to give their valuable suggestion in improving the quality of the curriculum and syllabus which will be benefited the students more in developing the skills

2. Curriculum - balance of courses as per domain, pre-requisites

Suggestions by Members:

Curriculum and balance of courses as per the four domains.

All courses have pre requisites based on the subject.

whether points incorporated or not. If not, reason

Incorporated

3. Syllabus - Updation and relevance to industrial, career requirement

Suggestions by Members:

1. U18MCT5004 - Control Engineering:

- a) More MATLAB contents to be added in Automatic control chapter mainly for PID control
- b) Suggested to provide 2 hrs lecture for industry person
- c) Remove the topics - PLC, Sequence control and RLL (since it is repeated in another course of this semester)

2. U18MCI6201 - Computer integrated manufacturing

- a) 3D printing topic to be included
- b) List of experiment should be descriptive. Not to be mentioned as drilling, milling etc

A handwritten signature in black ink, appearing to be 'S. S. S.' or similar.

BoS Coordinator

A handwritten signature in black ink, appearing to be 'S. S. S.' or similar.

BoS Chairman

3. U18MCI6202- Robotics Engineering
 - a) Motion control - 11 hrs to be reduced.
 - b) Laplace ,PD and PID Control to be removed.
 - c) ROS tools to be included in robot programming.
4. U17MCT7001/U18MCT7001 - Autonomous Vehicle
 - a) Title should be changed as Mobile Robotics
 - a) Sensor topic to be removed(since it is repeated in another course of this semester)
 - b) Aerial robotics related topics can be included.
5. U17MCT7002/U18MCT7002 - Image processing and computer vision
 - a) Camera,lighting,Graphics card to be added as application topics.
6. U17MCE0001/U18MCE0001- Automotive electronics
 - a) Battery maintenance concept to be added.
 - b) Vehicle Tracking,GPS ,Cockpit electronics to be added.
7. U17MCE0004/U18MCE0004- Artificial Intelligence and Machine Learning
 - a) Introduction to Deep learning to be given.
 - b) Machine learning programming in python to be added
8. U17MCE0014/U18MCE0014 -Underwater Robotics
 - a) Contents in Modelling of underwater robots,Kinematic , Dynamic control,of UVMS ,dynamic Control of AUVs module are suggested to be reduced to give more emphasize on the required concepts.
9. U17MCE0007 /U18MCE0007 Smart manufacturing
 - a) Experts suggested to modify the title as “Industrial IOT”
- 10.U17MCE0009/U18MCE0009- Composite and Smart materials
 - a) Classification of polymer need to be added.
 - b) Ceramic material concepts to be added.
 - c) In Last two modules topics related to smart materials need to be included.

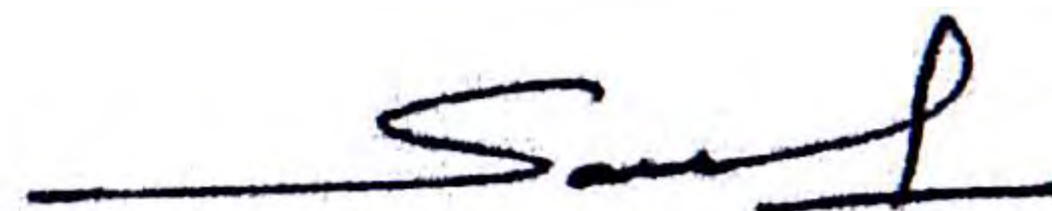
whether points incorporated or not. If not, reason

Certain changes are incorporated but other changes cant be done due its requirement as a basic content to impart understanding about the course to the students.

3. Course Delivery - Mode and effectiveness



BoS Coordinator



BoS Chairman

Suggestions by Members:

- a) All theory courses are suggested to handle more topics in simulation based on new software /packages.

whether points incorporated or not. If not, reason

Yes its incorporated

5. Course Assessment - - Mode and effectiveness,

Suggestions by Members:

More weightage can be given for mini projects done for individual subjects

whether points incorporated or not. If not, reason

It is already incorporated in all semester as Engineering clinic

6. Infra requirement, upgradation

Suggestions by Members:

More simulation software to be purchased for every lab and to be demonstrated to improve the students practical skills.

whether points incorporated or not. If not, reason

Incorporated

7. Student's knowledge and skill development

Suggestions by Members:

Project based learning will help the students more to develop the skill than in lecture session.

whether points incorporated or not. If not, reason

Incorporated

8. Faculty and support faculty development / training

Suggestions by Members:

More training to be given on programming skills.

whether points incorporated or not. If not, reason

Training given every semester

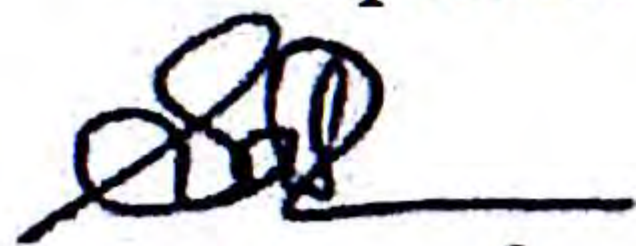
9. Faculty qualification/ specialization - recommendation

Suggestions by Members:

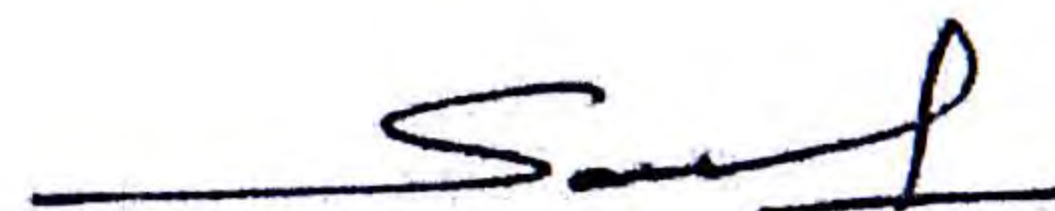
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whether points incorporated or not. If not, reason

Incorporated



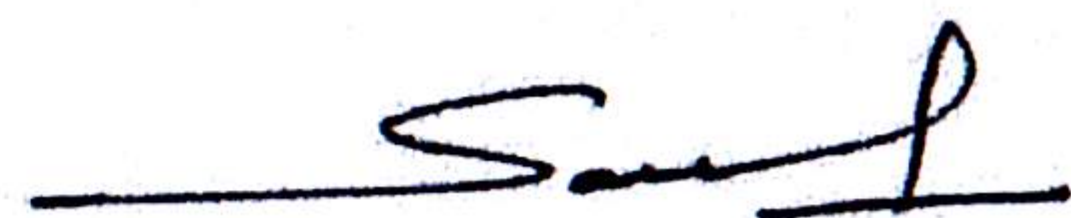
BoS Coordinator



BoS Chairman



BoS Coordinator



BoS Chairman



**KUMARAGURUCOLLEGE OF
TECHNOLOGY
COIMBATORE -- 641 049**

**(An Autonomous Institution Affiliated to Anna University, Chennai)
Minutes of the Meeting**

Ref:KCT/MCE/BOS/MoM

Date : 30.11.2018

MINUTES OF THE 15th BOARD OF STUDIES MEETING

- The Board of Studies meeting for Mechatronics Engineering was held on November 30th, 2018 at 10.00 AM in Mechatronics Department Library, KCT. It was chaired by **Dr. R. Venkatesan**, Chairman – BoS for B.E. Mechatronics Engineering Programme. The following external and internal members were present.

External Members

- Dr. R. Parameshwaran- Anna University Nominee, Professor, Department of Mechatronics Engineering, Kongu Engineering College, Perundurai, Erode – 638060
- Dr. R. Rajamani- Academic Council Expert, Associate Professor, Department of Production Engineering, PSG College of Technology, Coimbatore – 641004
- P. Ashok Kumar – Alumni, Associate Software Engineer, Robert Bosch, Coimbatore
- Mr. Pramod Bawankar, Industry Nominee, Area Manager, Taegu Tec India Pvt. Ltd.
- R. Selvakumaran - Special Invitee, Senior Engineer, Lakshmi Machine Works, Coimbatore
- Mr. Murugan – Parent Invitee, Managing Director, Sarabesh Water Technologies, Coimbatore – 641019

Internal Members

- Dr. R. Venkatesan- HOD and Chairman-BOS
- Mr. A. Ramkumar, Convener- BOS
- Dr. Muthukumaran , Professor / Mech
- Dr A. Vasuki, Professor
- Dr. M. Saravana Mohan, Associate Professor
- Dr. K. Akila, Associate Professor
- Mr. T. Suresh, Assistant Professor
- Mr. R. Raffik, Assistant Professor
- Mr. J. Sivaguru, Assistant Professor

Student Representatives:


- 1. Arjun Raj
 - The Chairman informed that the meeting has been called to review the curriculum and syllabus of 2017 & 2018 Regulations of B.E. Mechatronics Engineering. The following points were discussed during the meeting:
 - The Chairman presented the unique features of R17 and R18 curriculum along with the credit distribution. The introduction of streams in R18 was proposed and accepted by all the members. He mentioned that the curriculum and syllabus has been framed based on the curriculum model given by AICTE.

The following points were discussed:

- Dr. R. Parameshwaran, Anna University Nominee (AUN) suggested to provide the reference books for the concerned course of latest editions. He suggested to add FMS and additive manufacturing topics for the CNC course.
- Dr. R. Rajamani- Academic Council Expert recommended to teach drafting and modelling as a separate one credit course or in the engineering clinic hours.

- Dr. R. Parameshwaran suggested tutorial classes for image processing course. He also recommended to embed the e-yantra lab with the autonomous vehicle subject.
- The experts recommended to include PIC controller in the embedded systems syllabus. The syllabus is viewed to be overloaded, so suggested to reduce the topics.
- The experts appreciated the syllabus contents of Condition monitoring and suggested to add case study at the end of each unit.
- Dr. R. Parameshwaran, suggested to verify the syllabus contents for data analytics to avoid the duplication of topics.
- The experts asked the reasons for reducing the credits. They recommended to add the credits from 3rd semester to 6th semester within the limit of AICTE recommendation to impart needed subject knowledge.
- Mr. Pramod Bawankar, Industry Nominee suggested that, regarding end semester project, proper training can be given to the students by the industrial experts to make them capable to do project in the industrial environment.
- The experts recommended to invite industrial experts related to each subject to give an industrial insight in the concerned course.
- Dr. R. Parameshwaran & Dr. R. Rajamani suggested that instead of adding LTSPICE software to perform a single experiment as an embedded lab component for the subject U18MC202 Devices and circuit, such software can be teaching as one credit course.

- The experts recommended that the fluid mechanics course can be strengthened by having 3 units covering fluid mechanics and 2 units for thermal engineering. Basic experiments can be given.
- It is suggested by the experts to add statics in the mathematics paper, topics instead of probability which may be useful in industrial practices.
- The syllabus contents of sensors and instrumentation was appreciated by the experts.
- For Digital electronics, lab component is suggested to add in the syllabus by the experts and Mr. P. Ashok Kumar, alumni.
- Dr. R. Parameshwaran recommended to rename elective course Industry 4.0 as cyber physical systems.
- The experts appreciated the automation agriculture syllabus contents. They suggested to add drones used for agriculture in the syllabus.
- Finally, chairman explains about the ProtoSem and features to the experts in regard with student development. The experts well received and appreciated the ProtoSem concept of education to the students.


 Convener – BoS

HoD / Department of Mechatronics Engineering



KUMARAGURU COLLEGE OF TECHNOLOGY

COIMBATORE- 641 049

(An Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF MECHATRONICS ENGINEERING

Ref: KCT/MCE/BOS/MOM

Date :02.04.2018

MINUTES OF THE 14th BOARD OF STUDIES MEETING

- The Board of Studies meeting for Mechatronics Engineering was held on March 26th 2018 at 10.00 AM in Mechatronics Department Library, KCT. It was chaired by **Dr. R. Venkatesan**, Chairman – BOS for B.E. Mechatronics Engineering Programme. The following external and internal members were present.

External Members:

- Dr. R. Parameshwaran - Anna University Nominee, Professor, Department of Mechatronics Engineering, Kongu Engineering College, Perundurai, Erode - 638060
- Dr. R. Malayalamurthi, Associate Professor, Department of Mechanical Engineering, Government College of Technology, Coimbatore.
- Mr. S. Karthik, CEO, Synetics Automation, Coimbatore
- Mr. S. Swathi Balan, Associate Software Engineer, Robert Bosch, Coimbatore
- Mr. Harish Kumar Ravichandran, Executive Director, FICUS Consulting India Pvt. Ltd, Coimbatore
- Mr. Arunkumar Balasundaram, CEO, Jagathshree Castings, Coimbatore.
- **Internal Members**
- Dr. R. Venkatesan- HOD and Chairman-BOS
- Mr. A. Ramkumar, Convener- BOS
- Dr. S. A. Pasupathy HOD(I/c) ECE.
- Dr. A. Vasuki, Professor

- Dr. M. Saravana Mohan, Associate Professor
- Dr. K. Akila, Associate Professor
- Mr. T. Suresh, Assistant Professor II
- Mr. R. Raffik, Assistant Professor
- Mr. J. Sivaguru, Assistant Professor

Student Representatives:

1. Mr. Ashik, Final Year student, MCE
2. Mr. Sivesha B.M.S, Final Year student, MCE
3. Mr. G. A. ArjunRaj, Third Year student, MCE
4. Mr. Kunkuma Mithun Balaji. V, Third Year student, MCE

The Chairman welcomed the board members for the mechatronics department 14th Board of studies meeting and highlighted the importance of Regulations 2017 & 2018(R17 and R18) curriculum and syllabus of Mechatronics Engineering Program.

- The Chairman presented the unique features of R17 and R18 curriculum along with the credit distribution. The introduction of streams in R18 was proposed and accepted by all the members.
- He also mentioned that the curriculum and syllabus has been framed based on the curriculum model given by AICTE.

The following points were discussed:

- Dr. R. Parameshwaran, Anna University Nominee suggested to provide Maintenance engineering / condition monitoring course.
- Prof. Pasupathy suggested to change Agriculture automation course as field robotics Course.
- Mr. Harish Kumar Ravichandran asked to include Tele communication concepts in the curriculum.
- Mr. S. Swathi Balan and Prof. Pasupathy suggested to provide Artificial Intelligence and machine learning as a single course with some of the deep learning concepts.

- Dr. R. Malayalamurthi recommended to combine Thermodynamics and fluid mechanics courses.
- Mr. Ashik suggested to include ROS in Robotics Engineering Course.
- Mr. Kunkuma Mithun Balaji. V asked to include IMU Sensor in Robotics
- Dr. R. Parameshwaran advised to have electrical and mechanical CAD to have better design skills for project preparation. He also suggested to have machine vision and image processing course instead of Digital Signal Processing elective
- Dr. R. Parameshwaran and Mr. S. Karthik asked about the objectives of E-ride and Open Elective courses. They recommended to have Automotive electronics in elective category.
- Mr. S. Swathi Balan suggested to include Servomotor in electrical machines syllabus. He also insisted to Remove drives from electrical machines course and to include it in industrial electronics course.
- Mr. Arunkumar Balasundaram clarifies the importance of industrial IOT in condition monitoring.
- Dr. S. A. Pasupathy suggested to include high speed cam in kinematics of Machinery syllabus.
- Mr. S. Karthik insisted to include application and selection of robots in Robotics Engineering course
- Mr. S. Karthik and Dr. R. Parameshwaran suggested to provide separate course for hydraulics & Pneumatics, PLC instead of industrial automation as a single course.
- Dr. R. Malayalamurthi suggested to remove governors in dynamics and asked to merge dynamics of machinery and kinematics of machinery courses.
- The Dr. S. A. Pasupathy and Mr. Ashik suggested to include mobile robotics course as core course instead of professional elective.
- The Chairman thanked all the members for their suggestions and substantial inputs provided in the meeting. He also requested the internal members to take up the changes immediately and submit the final version within a week for forwarding to external members. He also assured that the draft minutes will be sent through email to all external members for their comments/approval.
- The meeting concluded by 1:05 PM.

R. Venkatesan
2/4/2018

Dr. R. VENKATESAN, Ph.D
Professor & Head
Department of Mechatronics Engineering
Kumaraguru College of Technology
Coimbatore - 641 049.



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and
Accreditation Council)

GRADE
A++

Mechanical Engineering



KUMARAGURU


COLLEGE OF TECHNOLOGY

NAAC (National Assessment and Accreditation Council)

GRADE
A++

Mechanical Engineering

Sl. No.	Date of Board of Studies meeting
1.	26.04.2023
2.	17.12.2022
3.	16.07.2022
4.	11.12.2021
5.	05.06.2021
6.	07.05.2021
7.	21.11.2020
8.	17.12.2018

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING 22nd Board of Studies Meeting	Ref No. Mech/BOS/2022-2023/1
		Prepared by: Dr. B.Senthilkumar, ASP Mr.P.Karthi, AP-I Issued by: Dr.C.Velmurugan, HOD Issue Date: 03-05-2023
	MINUTES OF MEETING	Page Number: 1 of 7

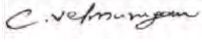
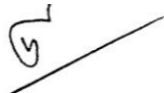
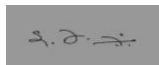
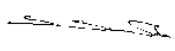
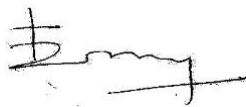
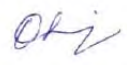
Date:	26-04-2023	Time:	11.30 AM	Online	Google Meet - meet.google.com/rde-gqmz-dak
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Participants of the meeting External Panel Members

1. Dr.V.Selladurai (Anna University Nominee), Professor, Department of Mechanical Engineering, Coimbatore Institute of Technology, Coimbatore -641 014.
2. Dr. S. Jayaraj, (Subject Expert) Professor, Department of Mechanical Engineering, National Institute of Technology, Calicut – 673 601.
3. Dr. S. Senthilvelan (Academic Expert), Professor and Head, Department of Mechanical Engineering, Indian Institute of Technology Guwahati, Guwahati 781039.
4. Dr.T.Ramprabhu, (Industry Expert), Joint Director, DRDO, Bangalore-560093.
5. Mr.R.Sanjay (Alumni Member), Product Design Engineer, Bus Chassis and Frames, Vehicle Design Department, Daimler Trucks Innovation Centre India, Bangalore.

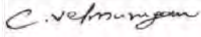
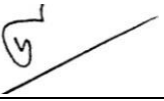

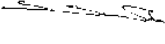
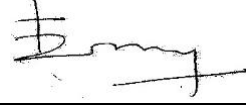

Internal Panel Members


1. Dr.C.Velmurugan, Professor and Head, Department of Mechanical Engineering, KCT
2. Dr.B.Senthilkumar (BOS Coordinator - UG), Associate Professor, Department of Mechanical Engineering, KCT
3. Dr.M.Balaji (BOS Coordinator - PG), Associate Professor, Department of Mechanical Engineering, KCT

					
Dr.C.Velmurugan (BOS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)	Mr.R.Sanjay (Alumni Expert)

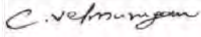
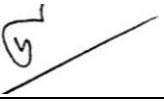
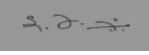
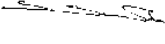
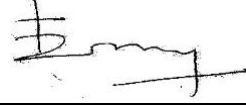

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4. Mr.S.Sivakumar (Invitee - Allied Department), Associate Professor and Head, Automobile Engineering, KCT
5. Dr. V.Muthukumaran (NBA Coordinator), Professor, Department of Mechanical Engineering, KCT
6. Dr. N. Sangeetha (Program Coordinator), Senior Associate Professor, Mechanical Engineering, KCT
7. Dr. S. Bhaskar, Associate Professor, Department of Mechanical Engineering, KCT
8. Dr. N. Sangeetha, Senior Associate Professor, Mechanical Engineering, KCT
9. Mr.T.R.Sukumar (Academic Coordinator), Associate Professor, Department of Mechanical Engineering, KCT
10. Dr.K.M.Senthilkumar, Associate Professor, Department of Mechanical Engineering, KCT
11. Dr. V.R.Muruganantham, Associate Professor, Department of Mechanical Engineering, KCT
12. Dr.S.Balasubramanian, Associate Professor, Department of Mechanical Engineering, KCT
13. Dr.S.Thirumurugaveerakumar, Associate Professor, Department of Mechanical Engineering, KCT
14. Dr.S.Sivakumar, Asst. Professor III, Department of Mechanical Engineering, KCT
15. Dr.K.K.Arun, Asst. Professor III, Department of Mechanical Engineering, KCT
16. Dr.P.R. Ayyappan, Asst. Professor (SRG), Department of Mechanical Engineering, KCT
17. Mr.S.Sivakumar, Asst. Professor II, Department of Mechanical Engineering, KCT

					
Dr.C.Velmurugan (BOS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)	Mr.R.Sanjay (Alumni Expert)

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18. Dr.M.Thirumalai muthukumaran, Asst. Professor III, Department of Mechanical Engineering, KCT
19. Dr.T.Karuppusamy, Asst. Professor II, Department of Mechanical Engineering, KCT
20. Dr.M.A.Vinayaga Moorthi, Asst. Professor II, Department of Mechanical Engineering, KCT
21. Dr.A.P.Arun, Asst. Professor III, Department of Mechanical Engineering, KCT
22. Dr.V.Manivel Muralidaran, Asst. Professor III, Department of Mechanical Engineering, KCT
23. Dr.K.Krishnamoorthi, Asst. Professor III, Department of Mechanical Engineering, KCT
24. Dr.S.Ramanathan, Asst. Professor III, Department of Mechanical Engineering, KCT
25. Dr.B.N.Sreeharan, Asst. Professor II, Department of Mechanical Engineering, KCT
26. Dr.S.Balaji, Asst. Professor II, Department of Mechanical Engineering, KCT
27. Mr.S.Prabhu, Asst. Professor II, Department of Mechanical Engineering, KCT
28. Dr.M.Ramesh Kumar, Asst. Professor II, Department of Mechanical Engineering, KCT
29. Dr.S.Rajesh, Asst. Professor II, Department of Mechanical Engineering, KCT
30. Mr.R.S.Mohankumar, Asst. Professor II, Department of Mechanical Engineering, KCT
31. Mr.V.R.Navaneeth, Asst. Professor II, Department of Mechanical Engineering, KCT
32. Mr.S.Prabhu, Asst. Professor II, Department of Mechanical Engineering, KCT
33. Mr.B.Jeeva, Asst. Professor II, Department of Mechanical Engineering, KCT
34. Mr.S.Subbiah, Asst. Professor I, Department of Mechanical Engineering, KCT
35. Mr.P.Karthi, Asst. Professor I, Department of Mechanical Engineering, KCT

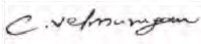
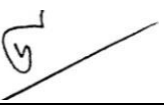
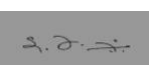
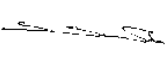
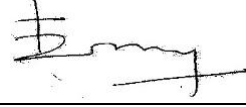

					
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36. Mr.P.Pradeep, Asst. Professor II, Department of Mechanical Engineering, KCT
37. Mr.P.D.Devan, Asst. Professor II, Department of Mechanical Engineering, KCT
38. Mr.P.Prashanth, Asst. Professor I, Department of Mechanical Engineering, KCT
39. Mr.K.Manikanda Prasath, Asst. Professor II, Department of Mechanical Engineering, KCT

Highlights:

1. Regulations 2023 Curriculum and Syllabus – Service subjects offered in the Ist and IInd Semester (UG)
2. PG Industrial Engineering Curriculum

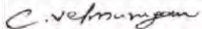


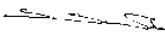
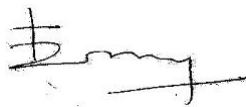

					
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MINUTES OF MEETING & ACTION POINTS

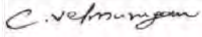
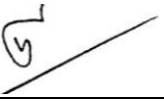
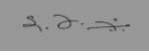
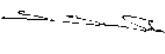
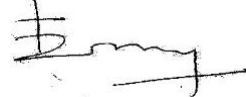

Codes: A: Action C: Comment D: Decision R: Recommendation


S.No	CODE	DESCRIPTION& DISCUSSION POINTS
1.		Dr. M. A. Vinayagamoorthi briefed about agenda of the BOS Meeting.
2.	C, R	Dr.C.Velmurugan , Professor and Head delivered the welcome address by introducing the BOS Panel Members, Previous BOS meeting details, Program Assessment committee (PAC) and Department advisory board (DAB) meeting outcomes and recommendations. He mentioned the highlights of the previous BoS meeting and the recommendation given by the NBA team to ME Industrial engineering programme regarding the inclusion of Audit and Internship courses.
3.	R, D	Dr.B.Senthilkumar , BoS Coordinator presented the UG service course curriculum and syllabus offered 1 st & 2 nd Semester. He differentiated the Engineering graphics course syllabus for circuit and non-circuit branched and detailed all the course content offered for the first year UG programme.
4.	R, D	Dr.M.Balaji PG BoS Coordinator presented the R2023 curriculum and syllabus for industrial Engineering course. He remarked the addition of two laboratory courses to be offered in the new regulation. Inclusion of technical seminar, three audit courses and addition of core course optimization technique where discussed.

					
Dr.C.Velmurugan (BOS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)	Mr.R.Sanjay (Alumni Expert)

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S.No	CODE	DESCRIPTION& DISCUSSION POINTS
5.	C, R	Dr.B.Senthilkumar , BoS Coordinator presented the total credits for the under graduate BE programme including the minor and honors degree. Introduction of Mandatory credit and Non CGPA Tamil courses in the II nd and III rd Semester Applicable for the Students admitted from AY 2022 – 23 (தமிழர் மரபு/ Heritage of Tamils & தமிழரும் தொழில்நுட்பமும் / Tamils and Technology)
6.	C, R	DR. V. Selladurai (Anna University Nominee), appreciated the efforts made for planning and implementation of the curriculum and syllabus.
7.	C, R	Dr.S.Jayaraj , (Academic Expert) appreciated the efforts made for planning and implementation of the curriculum and syllabus. He appreciated the inclusion of applied operation research and Optimisation technique courses that has been offered for the PG programme. He discussed about the mandatory Tamil course that has been offered.
8.	C, R	Dr.S.Senthilvelan , (Academic Expert) appreciated the efforts made for planning and implementation of the R2023. He enquired about the Engineering Graphic course and the changes made for the Circuit branches. Dr.B.Senthilkumar , gave a brief explanation about the same. He discussed about the mandatory Tamil course that has been offered.
9.	C, R	Dr.T.RamPrabhu , (Industry Nominee) appreciated the efforts made for planning and implementation of the R2023. He enquired about the mandatory Tamil course syllabus (Tamils and Technology) that has been offered.
10	C,R	Mr.R.Sanjay (Alumni Member) , appreciated the efforts made for planning and implementation of the R2023 and the inclusion of the mandatory Tamil course that has been offered.

					
Dr.C.Velmurugan (BOS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)	Mr.R.Sanjay (Alumni Expert)

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		Mr.T.R.Sukumar , Academic Coordinator proposed vote of thanks and conclude the meeting.
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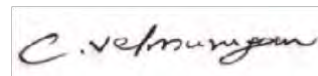
Dr.B.Senthilkumar Mr.P.Karthi

BOS Convenors (UG)




Dr.M.Balaji

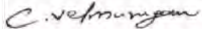


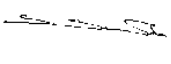


BOS Convenor (PG) Professor and Head




Dr.C.Velmurugan

Copy to:

1. Principal
2. Expert Members
3. Faculty Members of Mechanical Engineering
4. File

					
Dr.C.Velmurugan (BOS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)	Mr.R.Sanjay (Alumni Expert)

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING 21st Board of Studies Meeting	Ref No. Mech/BOS/2022-2023/1
		Prepared by: Dr. B.Senthilkumar, ASP Mr.P.Karthi, AP-I Issued by: Dr.C.Velmurugan, HOD Issue Date: 17-12-2022
	MINUTES OF MEETING	Page Number: 1 of 13

Date:	17-12-2022	Time:	2.00 PM	Online	Google Meet - meet.google.com/rde-gqmz-dak
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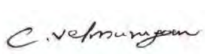
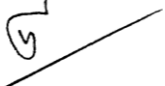
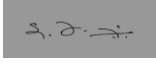
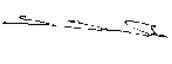


Participants of the meeting


External Panel Members

1. Dr.V.Selladurai (Anna University Nominee), Professor, Department of Mechanical Engineering, Coimbatore Institute of Technology, Coimbatore -641 014.
2. Dr. S. Jayaraj, (Subject Expert) Professor, Department of Mechanical Engineering, National Institute of Technology, Calicut – 673 601.
3. Dr. S. Senthilvelan (Academic Expert), Professor and Head, Department of Mechanical Engineering, Indian Institute of Technology Guwahati, Guwahati 781039.
4. Dr.T.Ramprabhu, (Industry Expert), Joint Director, DRDO, Bangalore-560093.
5. Mr.R.Sanjay (Alumni Member), Product Design Engineer, Bus Chassis and Frames, Vehicle Design Department, Daimler Trucks Innovation Centre India, Bangalore.

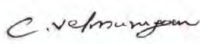
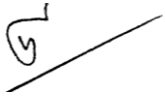

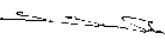
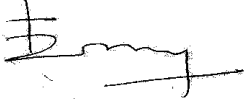

Internal Panel Members


1. Dr.C.Velmurugan, Professor and Head, Department of Mechanical Engineering, KCT
2. Dr.B.Senthilkumar (BOS Coordinator - UG), Associate Professor, Department of Mechanical Engineering, KCT
3. Dr.M.Balaji (BOS Coordinator - PG), Associate Professor, Department of Mechanical Engineering, KCT
4. Mr.S.Sivakumar (Invitee - Allied Department), Associate Professor and Head, Automobile Engineering, KCT

					
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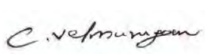
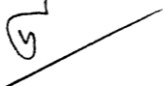
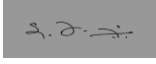
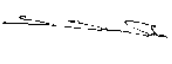


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5. Dr. V.Muthukumaran (NBA Coordinator), Professor, Department of Mechanical Engineering, KCT
6. Dr. N. Sangeetha (Program Coordinator), Senior Associate Professor, Mechanical Engineering, KCT
7. Dr. S. Bhaskar, Associate Professor, Department of Mechanical Engineering, KCT
8. Dr. N. Sangeetha, Senior Associate Professor, Mechanical Engineering, KCT
9. Mr.T.R.Sukumar (Academic Coordinator), Associate Professor, Department of Mechanical Engineering, KCT
10. Dr.K.M.Senthilkumar, Associate Professor, Department of Mechanical Engineering, KCT
11. Dr. V.R.Muruganantham, Associate Professor, Department of Mechanical Engineering, KCT
12. Dr.S.Balasubramanian, Associate Professor, Department of Mechanical Engineering, KCT
13. Dr.S.Thirumurugaveerakumar, Associate Professor, Department of Mechanical Engineering, KCT
14. Dr.S.Sivakumar, Asst. Professor III, Department of Mechanical Engineering, KCT
15. Dr.K.K.Arun, Asst. Professor III, Department of Mechanical Engineering, KCT
16. Dr.P.R. Ayyappan, Asst. Professor (SRG), Department of Mechanical Engineering, KCT
17. Mr.S.Sivakumar, Asst. Professor II, Department of Mechanical Engineering, KCT
18. Dr.M.Thirumalai muthukumaran, Asst. Professor III, Department of Mechanical Engineering, KCT
19. Dr.T.Karuppusamy, Asst. Professor II, Department of Mechanical Engineering, KCT
20. Dr.M.A.Vinayaga Moorthi, Asst. Professor II, Department of Mechanical Engineering, KCT
21. Dr.A.P.Arun, Asst. Professor III, Department of Mechanical Engineering, KCT
22. Dr.V.Manivel Muralidaran, Asst. Professor III, Department of Mechanical Engineering, KCT

					
Dr.C.Velmurugan (BOS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)	Mr.R.Sanjay (Alumni Expert)

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23. Dr.K.Krishnamoorthi, Asst. Professor III, Department of Mechanical Engineering, KCT
24. Dr.S.Ramanathan, Asst. Professor III, Department of Mechanical Engineering, KCT
25. Dr.B.N.Sreeharan, Asst. Professor II, Department of Mechanical Engineering, KCT
26. Dr.S.Balaji, Asst. Professor II, Department of Mechanical Engineering, KCT
27. Mr.S.Prabhu, Asst. Professor II, Department of Mechanical Engineering, KCT
28. Dr.M.Ramesh Kumar, Asst. Professor II, Department of Mechanical Engineering, KCT
29. Dr.S.Rajesh, Asst. Professor II, Department of Mechanical Engineering, KCT
30. Mr.R.S.Mohankumar, Asst. Professor II, Department of Mechanical Engineering, KCT
31. Mr.V.R.Navaneeth, Asst. Professor II, Department of Mechanical Engineering, KCT
32. Mr.S.Prabhu, Asst. Professor II, Department of Mechanical Engineering, KCT
33. Mr.B.Jeeva, Asst. Professor II, Department of Mechanical Engineering, KCT
34. Mr.S.Subbiah, Asst. Professor I, Department of Mechanical Engineering, KCT
35. Mr.P.Karthi, Asst. Professor I, Department of Mechanical Engineering, KCT
36. Mr.P.Pradeep, Asst. Professor II, Department of Mechanical Engineering, KCT
37. Mr.P.D.Devan, Asst. Professor II, Department of Mechanical Engineering, KCT
38. Mr.P.Prashanth, Asst. Professor I, Department of Mechanical Engineering, KCT
39. Mr.K.Manikanda Prasath, Asst. Professor II, Department of Mechanical Engineering, KCT

					
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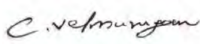
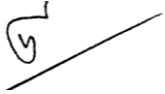

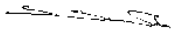
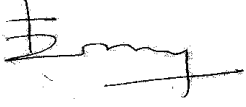

Highlights:


1. Discussion on Institute / Department vision and mission statements
2. Discussion on Program Assessment Committee meeting minutes
3. Discussion on Innovation in teaching Methodology & Placement
4. Target setting for CO, PO, PSO for all the three modules
5. Discussion on Panel of examiner for QP setting/ Lab Exams
6. Discussion on M.E., Industrial Engineering curriculum
7. General Academic discussions.

MINUTES OF MEETING & ACTION POINTS

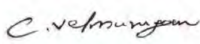
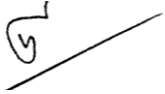

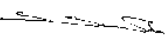
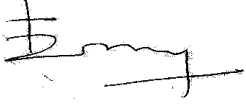

Codes: A: Action C: Comment D: Decision R: Recommendation


S.No	CODE	DESCRIPTION& DISCUSSION POINTS
1.		<ul style="list-style-type: none"> • Dr. M. A. Vinayagamoorthi briefed about agenda of the BOS Meeting.
2.	C, R	<ul style="list-style-type: none"> • Dr.C.Velmurugan, Professor and Head delivered the welcome address by introducing the BOS Panel Members, Previous BOS meeting details, Program Assessment committee (PAC) and Department advisory board (DAB) meeting outcomes and recommendations. He mentioned the highlights of the mandatory course Industrial internship that already included in the 4th semester. The first batch of 185 students completed their internship in reputed central government and private companies located all over India during August to First Week of September 2022.
3.		<ul style="list-style-type: none"> • Dr.B.Senthilkumar, BoS Coordinator presented the overview of the DAB meeting. He highlighted about the discussions made on previous DAB and BoS meeting, introduction of new professional elective course instead of

					
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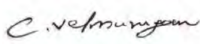
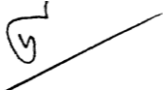

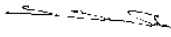
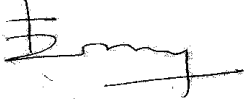

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S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		U18INI5600 Engineering clinics - V, the change in the number of programme elective courses offered, Introduction of Honours and Honours with specialization, introduction of minor specializations and protosem course mapping odd semester 2022-2023.
4.	C	<ul style="list-style-type: none"> Dr.S.Balaji, Assistant Professor II and NBA Coordinator, presented and discussed Institute Vision, Mission, Department Vision, and Mission statements, Programme Educational Objectives, Programme outcomes and Programme Specific Outcomes of B.E Mechanical Engineering Programme and M.E Industrial Engineering.
5.	R, D	<ul style="list-style-type: none"> Dr.B.Senthilkumar, Highlighted the action taken on previous DAB and BoS recommendation and credit distribution of R18, Curriculum for R22 and credit changes for Engineering clinics course for both (UG & PG), New regulation release was changed from R22 to R23. He also discussed about the mandatory universal human value course that has been offered in 4th semester and its implementation for the batch 2020-2024. He discussed about the Protosem course mapping for the following students and placed it for the discussion and approval for further implementation.

					
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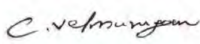
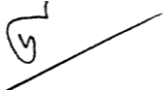

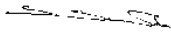
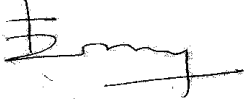

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S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		<ul style="list-style-type: none"> Mr. Bharathyvaraj P (20BME021) Specialization: Industrial Automation & Intelligence Mr. Vidhun C R (20BME260) Specialization: Industrial Automation & Robotics Mr. Murugavel P (20BME231) Specialization: Industrial Automation & Robotics The introduction of new course Thermal Engineering II and customized Engineering course for circuit and non-circuit branches will be included in next regulation. Recommendation from the Anna university nominee Dr.V. Selladurai, Introduction of Lab Experiments with IoT, Industry 4.0, and electric vehicle concept has been implemented in the form of mini projects. Recommendation from Academic expert Dr.S.Jayaraj, Introduction of new interdisciplinary courses related to new energy technology and modern engines will be included in the next Regulation. Recommendation from Academic expert Dr.S.Senthilvelan, to combine multiple lab courses into single lab is under discussion and to be included in the next regulation. Recommendation from Industry Nominee Dr.T.Ramprabhu, courses on electric vehicle, 3D printing, Drones in agriculture, mining and solar panel

					
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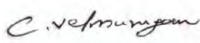
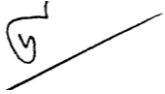

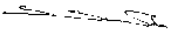


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S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		<p>piping design and stress analysis are already introduced as minor courses with 15 credits.</p> <ul style="list-style-type: none"> Recommendation from Industry Nominee Mr.R.Sanjay (to have Automobile engineering course as a mandatory core, modelling and drafting courses like NX, CREO and Catia should be given higher priority instead of analysis software. Automobile was offered as a core paper solid work modelling and drafting has already included in the Machine drawing Course. Based on the Alumni feedback, most of the recommendation are based on the open elective courses and the key word identified are programming, tool and die design, sustainability, cloud computing, AI etc., It under discussion and trying to incorporate in the upcoming regulation. UG Curriculum and syllabus changes: He discussed about the Honour specialisation applicable for the students admitted from 2021-22 batch, addition of 18 credits in all the three modules, 2 (6 credits) NPTEL/ SWAYAM platform courses can be attended with prior approval, Addition of 18 credits for Honours without specialisation and its requirement to pursue it and minor specialisation. Engineering clinics course for 2022 batch has been converted into professional elective course. Credits for engineering sciences has been reduced by 3 credits and professional

					
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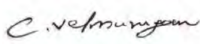
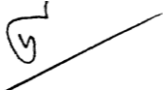

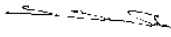
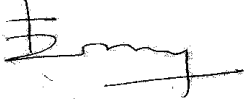

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S.No	CODE	DESCRIPTION& DISCUSSION POINTS			
		<p>electives has been increased to 15 credits (Total credits remains the same as 166).</p> <ul style="list-style-type: none"> He shared the list of students enrolled for the protosem in the odd semester of AY 2022-23. Currently 3 students have registered for the same and course mapping for the students has been shared. The introduction of a new Nano Program on “New Product Development and Product Lifecycle Management” (NPD & PLM) as part of the MoU signed between the Mechanical Engineering Department of Kumaraguru College of Technology and Capgemini. This Nano program is composed of 2 theory courses of 3 credits each, project with 3 credits and Internship and documentation. Total credits offered under this program is 9 credits. The courses are offered for the students admitted in the AY 2021 – 22 from 4th semester onwards. This program is optional, and the credits earned will not be considered for the CGPA calculations. In addition to this student enrolled for the minor specialization, foreign languages and Protosem are not eligible to undergo this program. The course details are 			
		Sl.No	Course code	Course name	Semester
		1.	U18MEE0033	Product Design and Manufacturing	4
					Cred
					3

					
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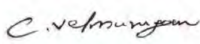
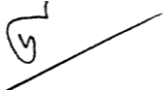

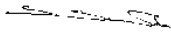
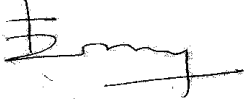

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING 21st Board of Studies Meeting	Ref No. Mech/BOS/2022-2023/1
		Prepared by: Dr. B.Senthilkumar, ASP Mr.P.Karthi, AP-I Issued by: Dr.C.Velmurugan, HOD Issue Date: 17-12-2022
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S.No	CODE	DESCRIPTION & DISCUSSION POINTS				
		2.	U18MEE0034	Product Data and Product Lifecycle Management	5	3
		3.	U18MEP6703	Project Work	6	3
		4.	U18MEP7704	Internship and Documentation	7	0
6.		<ul style="list-style-type: none"> Mr.P.Pradeep, discussed the placement details of the current final year students. As of now 97 students have been placed in Core and Software companies with 134 offers. To increase the placement percentage regular training programs are recommended in the department. 				
7.	R, D	<ul style="list-style-type: none"> Dr.M.Balaji, BOS Convenor M.E Industrial Engineering presented the proposed curriculum R2023, credit distribution and addition of new course Introduction to data analytics, instead of industrial engineering laboratory two new laboratory course has been proposed namely work design lab and operation labs. He also mentioned about the work design and ergonomics course has been aligned parallelly with the laboratory. In plant training or industrial internship to be carried out in the 3rd semester or in due course of 4th. New elective course has been added in the 3rd semester. Total number of credits has been increased from 68 to 76. 				
8.	C, R	Review of PAC meeting minutes and Target setting				

					
Dr.C.Velmurugan (BOS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)	Mr.R.Sanjay (Alumni Expert)

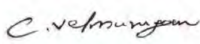
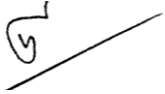

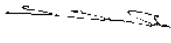
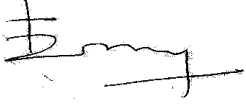

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S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		<ul style="list-style-type: none"> Dr.N. Sangeetha, Program Coordinator, highlighted on the module committee meeting minutes, CO-PO attainment for the CAT 1 assessment and faculty recommendation for the changes to be made on the existing courses. She Explained the process of measurement of course outcomes, program outcomes and PSO. Also, presented the course and program outcomes measured in the Academic year (AY 2022 – 23). The module wise PAC meeting minutes were presented for the discussion. She discussed about the new courses proposed by the module coordinators and the content changes suggested by them in the existing courses.
9.	C, R	<ul style="list-style-type: none"> Dr.S.Sivakumar, Module coordinator of Design Engineering, Presented CO, PO and PSO attainment of the design courses handled by the faculty members and target for the academic year 2022–2023. Also highlighted important recommendations from design module and addition of new courses like condition monitoring and fault diagnosis, tribology in design, Geometric dimensioning and tolerance, Excel for data analysis, problem solving using python and data science. Dr.P.R.Ayyappan Module coordinator of Thermal Engineering, Presented CO, PO and PSO attainment of the thermal courses handled by the faculty members and target for the academic year 2022–2023.

					
Dr.C.Velmurugan (BOS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)	Mr.R.Sanjay (Alumni Expert)

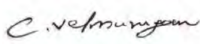
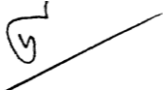

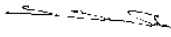
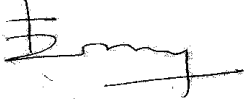

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S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		<ul style="list-style-type: none"> Dr.K.M.Senthilkumar, Module Coordinator of Manufacturing and Industrial Engineering module Presented CO, PO and PSO attainment of the Manufacturing and Industrial Engineering courses handled by the faculty members and target for the academic year 2022–2023. He also mentioned about the changes made in Engineering graphics course to differentiate circuit and non-circuit branches. He also presented the proposed changes in the course U18MEI3201 Metal Cutting and Computer Aided Manufacturing that can be incorporated for the fourth coming regulation.
10.	C, R	Examiner panel <ul style="list-style-type: none"> Dr.S.Balaji, Department Exam Coordinator, Presented the guideline for question paper setting by the internal and external expert members, question paper scrutiny and evaluation of answer script. He also presented the question paper setter panel list for both theory and laboratory courses.
11.	C, R	Curriculum – Discussion with BOS Academic experts <ul style="list-style-type: none"> Dr.V.Selladurai, (Anna University Nominee) suggested that the new techniques like Artificial intelligence, Machine learning and deep learning has to be incorporated so that students can compete with international market regarding Industry 4.0 interface research. He suggested to have

					
Dr.C.Velmurugan (BOS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)	Mr.R.Sanjay (Alumni Expert)

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING 21st Board of Studies Meeting	Ref No. Mech/BOS/2022-2023/1 Prepared by: Dr. B.Senthilkumar, ASP Mr.P.Karthi, AP-I Issued by: Dr.C.Velmurugan, HOD Issue Date: 17-12-2022
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S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		concepts on automatic automation and some of the core courses can be modified through experiments or program writing techniques.
12.	C, R	<ul style="list-style-type: none"> Dr.S.Jayaraj, (Academic Expert) appreciated the efforts made for planning and implementation of the curriculum and syllabus. He suggested to provide specific details in the presentation instead of briefing.
13.	C, R	<ul style="list-style-type: none"> Dr.S.Senthilvelan, (Academic Expert) appreciated the efforts made for planning and implementation of the Nano Program on “New Product Development and Product Lifecycle Management” (NPD & PLM) in association with industry.
14.	C, R	<ul style="list-style-type: none"> Dr.T.RamPrabhu, (Industry Nominee) appreciated for the inclusion of the recommendation made on the previous BoS meeting.
15.	C,R	<ul style="list-style-type: none"> Mr.R.Sanjay (Alumni Member), thanked for inclusion of the recommendation provide on the previous BoS meeting and welcomed the inclusion of new course Thermal Engineering II.
16.		<ul style="list-style-type: none"> Dr.S.Sivakumar, Head Automobile Engineering, Suggested that importance to be given to core engineering courses and courses like Physics which would help the students to get more clarity on the basic sciences, more concentration to be given on project based learning and welcomed the inclusion of new course Thermal Engineering II.

					
Dr.C.Velmurugan (BOS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)	Mr.R.Sanjay (Alumni Expert)

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S.No	CODE	DESCRIPTION& DISCUSSION POINTS
17.	C	<ul style="list-style-type: none"> The BOS Members appreciated the work carried out by all the presenter and the teamwork by all the faculty members of mechanical engineering department
18.		<ul style="list-style-type: none"> Mr.T.R.Sukumar, Academic Coordinator proposed vote of thanks and conclude the meeting.



Dr.B.Senthilkumar

BOS Convenors (UG)



Mr.P.Karthi



Dr.M.Balaji

BOS Convenor (PG)

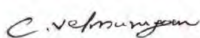
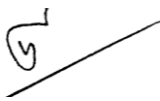

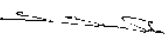
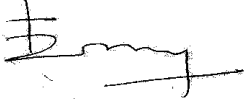




Dr.C.Velmurugan

Professor and Head

Copy to:

1. Principal
2. Expert Members
3. Faculty Members of Mechanical Engineering
4. File

					
Dr.C.Velmurugan (BOS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)	Mr.R.Sanjay (Alumni Expert)

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Date:	16-07-2022	Time:	2.00 PM	Online	Google Meet - meet.google.com/rde-gqmqz-dak
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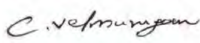
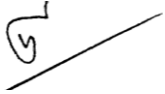

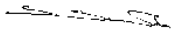
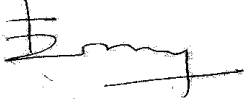

Participants of the meeting


External Panel Members

1. Dr.V.Selladurai (Anna University Nominee), Professor, Department of Mechanical Engineering, Coimbatore Institute of Technology, Coimbatore -641 014.
2. Dr. S. Jayaraj, (Subject Expert) Professor, Department of Mechanical Engineering, National Institute of Technology, Calicut – 673 601.
3. Dr. S. Senthilvelan (Academic Expert), Professor and Head, Department of Mechanical Engineering, Indian Institute of Technology Guwahati, Guwahati 781039.
4. Dr.T.Ramprabhu, (Industry Expert), Joint Director, DRDO, Bangalore-560093.
5. Mr.R.Sanjay (Alumni Member), Product Design Engineer, Bus Chassis and Frames, Vehicle Design Department, Daimler Trucks Innovation Centre India, Bangalore.

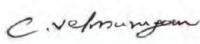
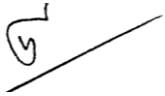

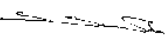
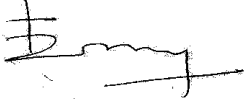

Internal Panel Members


1. Dr.C.Velmurugan, Professor and Head, Department of Mechanical Engineering, KCT
2. Dr.B.Senthilkumar (BOS Coordinator - UG), Associate Professor, Department of Mechanical Engineering, KCT
3. Dr.M.Balaji (BOS Coordinator - PG), Associate Professor, Department of Mechanical Engineering, KCT
4. Mr.S.Sivakumar (Invitee - Allied Department), Associate Professor and Head, Automobile Engineering, KCT

					
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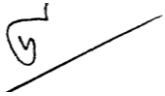

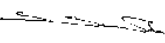
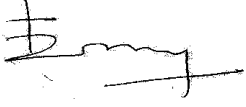

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5. Dr. V.Muthukumaran (NBA Coordinator), Professor, Department of Mechanical Engineering, KCT
6. Dr.R.Manivel (Module Coordinator - Thermal), Professor, Department of Mechanical Engineering, KCT
7. Dr.P.Sathyabalan (Module Coordinator - Design), Professor, Department of Mechanical Engineering, KCT
8. Dr. N. Sangeetha (Program Coordinator), Senior Associate Professor, Mechanical Engineering, KCT
9. Dr. S. Bhaskar, Associate Professor, Department of Mechanical Engineering, KCT
10. Mr.T.R.Sukumar (Academic Coordinator), Associate Professor, Department of Mechanical Engineering, KCT
11. Dr.K.M.Senthilkumar (Module coordinator - Manufacturing and Industrial Engineering), Associate Professor, Department of Mechanical Engineering, KCT
12. Dr. V.R.Muruganantham, Associate Professor, Department of Mechanical Engineering, KCT
13. Dr.S.Balasubramanian, Associate Professor, Department of Mechanical Engineering, KCT
14. Dr.S.Thirumurugaveerakumar, Associate Professor, Department of Mechanical Engineering, KCT
15. Dr.S.Sivakumar, Asst. Professor III, Department of Mechanical Engineering, KCT
16. Dr.K.K.Arun, Asst. Professor III, Department of Mechanical Engineering, KCT
17. Dr.P.R. Ayyappan, Asst. Professor (SRG), Department of Mechanical Engineering, KCT
18. Mr.S.Sivakumar (Time table Coordinator), Asst. Professor II, Department of Mechanical Engineering, KCT

					
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19. Dr.M.Thirumalai muthukumaran, Asst. Professor II, Department of Mechanical Engineering, KCT
20. Mr.T.Karuppusamy, Asst. Professor II, Department of Mechanical Engineering, KCT
21. Mr.M.A.Vinayaga Moorthi, Asst. Professor II, Department of Mechanical Engineering, KCT
22. Dr.A.P.Arun, Asst. Professor II, Department of Mechanical Engineering, KCT
23. Dr.V.Manivel Muralidaran, Asst. Professor II, Department of Mechanical Engineering, KCT
24. Dr.K.Krishnamoorthi, Asst. Professor II, Department of Mechanical Engineering, KCT
25. Mr.S.Ramanathan, Asst. Professor II, Department of Mechanical Engineering, KCT
26. Dr.B.N.Sreeharan, Asst. Professor II, Department of Mechanical Engineering, KCT
27. Dr.S.Balaji, Asst. Professor I, Department of Mechanical Engineering, KCT
28. Mr.S.Prabhu, Asst. Professor I, Department of Mechanical Engineering, KCT
29. Dr.M.Ramesh Kumar, Asst. Professor I, Department of Mechanical Engineering, KCT
30. Mr.S.Rajesh, Asst. Professor I, Department of Mechanical Engineering, KCT
31. Mr.R.S.Mohankumar, Asst. Professor I, Department of Mechanical Engineering, KCT
32. Mr.V.R.Navaneeth, Asst. Professor I, Department of Mechanical Engineering, KCT
33. Mr.S.Prabhu, Asst. Professor I, Department of Mechanical Engineering, KCT
34. Mr.B.Jeeva, Asst. Professor I, Department of Mechanical Engineering, KCT
35. Mr.S.Subbiah, Asst. Professor I, Department of Mechanical Engineering, KCT
36. Mr.P.Karthi, Asst. Professor I, Department of Mechanical Engineering, KCT
37. Mr.P.Pradeep, Asst. Professor I, Department of Mechanical Engineering, KCT
38. Mr.P.D.Devan, Asst. Professor I, Department of Mechanical Engineering, KCT
39. Mr.P.Prashanth (Timetable Coordinator), Asst. Professor I, Department of Mechanical Engineering, KCT

					
Dr.C.Velmurugan (BOS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)	Mr.R.Sanjay (Alumni Expert)

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40. Mr.K.Manikanda Prasath, Asst. Professor I, Department of Mechanical Engineering, KCT

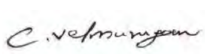
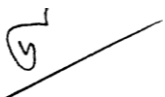
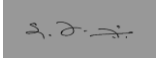
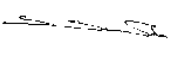


Highlights:


1. Discussion on Institute / Department vision and mission statements
2. Discussion on Program Assessment Committee meeting minutes
3. Discussion on Innovation in teaching Methodology & Placement
4. Target setting for CO, PO, PSO for all the three modules
5. Discussion on Panel of examiner for QP setting/ Lab Exams
6. Discussion on M.E., Industrial Engineering curriculum
7. General Academic discussions.

MINUTES OF MEETING & ACTION POINTS

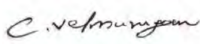
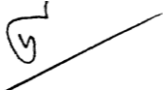

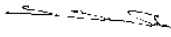
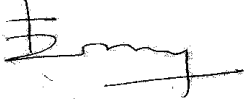

Codes: A: Action C: Comment D: Decision R: Recommendation


S.No	CODE	DESCRIPTION& DISCUSSION POINTS
1.		<ul style="list-style-type: none"> • Mr. M. A. Vinayagamoorthi briefed about agenda of the BOS Meeting.
2.	C, R	<ul style="list-style-type: none"> • Dr.C.Velmurugan, Professor and Head delivered the welcome address by introducing the BOS Panel Members, Previous BOS meeting details, Program Assessment committee (PAC) and Department advisory board (DAB) meeting outcomes and recommendations.
3.	C	<ul style="list-style-type: none"> • Dr.V.Muthukumar, Professor and NBA Coordinator, presented and discussed Institute Vision, Mission, Department Vision, and Mission statements, Programme Educational Objectives, Programme outcomes and Programme Specific Outcomes of B.E Mechanical Engineering Programme and M.E Industrial Engineering.

					
Dr.C.Velmurugan (BOS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)	Mr.R.Sanjay (Alumni Expert)

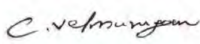
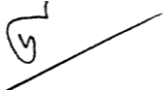

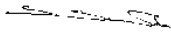
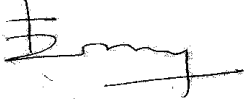

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING 20th Board of Studies Meeting	Ref No. Mech/BOS/2022-2023/1
		Prepared by: Dr. B.Senthilkumar, ASP Mr.P.Karthi, AP-I Issued by: Dr.C.Velmurugan, HOD Issue Date: 17-08-2022
	MINUTES OF MEETING	Page Number: 5 of 10


S.No	CODE	DESCRIPTION& DISCUSSION POINTS
4.	R, D	<ul style="list-style-type: none"> Dr.B.Senthilkumar, BOS Convenor B.E Mechanical Engineering presented the overview of BOS and DAB meeting, credit distribution, proposed curriculum R2022 and open elective courses. He also discussed about the action taken on previous BoS recommendation and credit distribution of R18. He mentioned about the common courses offered to other departments from mechanical, presented the proposed curriculum R22 and credit changes made to the Engineering clinics course from 3 to 1 and migration from Embedded courses to separate theory and practical courses. He also discussed about the mandatory universal human value course that has been offered in 4th semester. He discussed about the Protosem course mapping for the student Kavi Arasu L.
5.	R, D	<ul style="list-style-type: none"> Dr.M.Balaji, BOS Convenor M.E Industrial Engineering presented the proposed curriculum R2022, credit distribution and 2 laboratory courses included in the curriculum. He also mentioned about the work design and ergonomics course has been aligned parallelly with the laboratory.
6.	C, R	Review of PAC meeting minutes and Target setting <ul style="list-style-type: none"> Dr.N.Sangeetha, Program Coordinator, Explained the process of measurement of course outcomes, program outcomes and PSO. Also, presented the course and program outcomes measured in the preceding

					
Dr.C.Velmurugan (BOS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)	Mr.R.Sanjay (Alumni Expert)

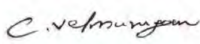
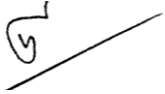

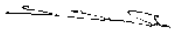
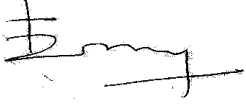

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S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		<p>Academic year (AY 2021 – 22). The module wise PAC meeting minutes were presented for the discussion.</p> <ul style="list-style-type: none"> She discussed about the new courses proposed by the module coordinators and the content changes suggested by them in the existing courses.
7.	C, R	<ul style="list-style-type: none"> Dr.S.Sivakumar, Module coordinator of Design Engineering, Presented CO, PO and PSO attainment of the design courses handled by the faculty members and target for the academic year 2022–2023. Also highlighted important recommendations from design module and addition of new courses. Dr.P.R.Ayyappan Module coordinator of Thermal Engineering, Presented CO, PO and PSO attainment of the thermal courses handled by the faculty members and target for the academic year 2022–2023. Also highlighted important recommendations from Thermal module and addition of new course Thermal Engineering II. Dr.K.M.Senthilkumar, Module Coordinator of Manufacturing and Industrial Engineering module Presented CO, PO and PSO attainment of the Manufacturing and Industrial Engineering courses handled by the faculty members and target for the academic year 2022–2023. He also mentioned about the changes made in Engineering graphics course to differentiate circuit and non-circuit branches removal of

					
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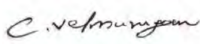
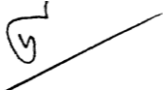

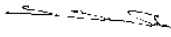
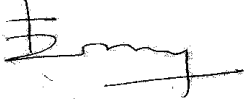

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		AutoCAD and made as a study experiment. He also discussed about the initiative made to make industry experts to teach industrial safety course.
8.	C, R	Examiner panel <ul style="list-style-type: none"> Dr.S.Balaji, Department Exam Coordinator, Presented the guideline for question paper setting by the internal and external expert members, question paper scrutiny and evaluation of answer script. He also presented the question paper setter panel list for both theory and laboratory courses for the Odd and Even Semester of the Academic Year 2021-2022.
9.	C, R	Innovations in Teaching Methodologies <ul style="list-style-type: none"> Dr.S.Bhaskar Mentioned about the innovative teaching methods adopted in the institution like case studies, projects and seminars. He also highlighted the assessment methods adopted.
10.	C, R	Curriculum – Discussion with BOS Academic experts <ul style="list-style-type: none"> Dr.V.Selladurai, (Anna University Nominee) discussed about the AICTE guidelines for preparing curriculum and credit distribution of various streams. He recommended to have lab experiments using IOT, Industry 4.0, and electric vehicle concepts and these can be included in theory courses. Suggested to integrate mechanical core courses with the latest technologies without compromising the basics

					
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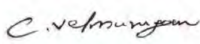
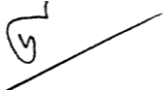

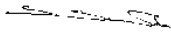
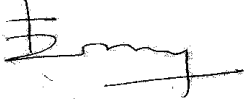

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S.No	CODE	DESCRIPTION& DISCUSSION POINTS
11.	C, R	<ul style="list-style-type: none"> Dr.S.Jayaraj, (Academic Expert) Conveyed that he had gone through the Curriculum and appreciated the content. He recommended to avoid repetitive course title and suggested to have new interdisciplinary courses, courses related to new energy technology and modern engines.
12.	C, R	<ul style="list-style-type: none"> Dr.S.Senthilvelan, (Academic Expert) said that curriculum is good. He suggested to have both theory and lab courses in same semester. He to recommended that instead of having a single laboratory for whole semester it's better to combine multiple labs into one so that students would have enough time for self-learning and can perform quality project.
13.	C, R	<ul style="list-style-type: none"> Dr.T.RamPrabhu, (Industry Nominee) suggested to have courses on electric vehicles, 3D printing, Drones in agriculture mining & solar panel, piping design and stress analysis etc. Heat transfer and thermal engineering courses can be framed at par with the industry requirements. He too suggested to have courses in the field of robotics, Design and manufacturing of robots, SAP, oracle, CNC, PLC, and reverse engineering. Courses related to IT like data science and Artificial intelligence can be incorporated in the curriculum He recommended to have minor course as an package.

					
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S.No	CODE	DESCRIPTION& DISCUSSION POINTS
14.	C,R	<ul style="list-style-type: none"> Mr.R.Sanjay (Alumni Member), discussed the latest developments in Mechanical Engineering field. He suggested to have Automobile engineering course as a mandatory core, modelling and drafting courses like NX, CREO and Catia should be given higher priority instead of analysis software. He also recommends having courses related to financial management
15.		<ul style="list-style-type: none"> Dr.B.Senthilkumar, addressed regarding the suggestion given by the expert members. He aforementioned data science, 3D printing, AI, cyber security, IOT and network programming courses have been included as minor specialization and each have 5 courses from basics to advance technology and a project work with overall 15 credits (not included for CGPA calculation). He mentioned Anna university guidelines regarding the minor specialization and maximum of 18 credits can be offered. He aforementioned that the theory and the corresponding laboratory courses and offered in the same semester. He conveyed the Self-learning concepts will be explored in the near future. Electrical drives and control course has been offered in the 4th semester to get the basic knowledge regarding electric vehicles. Vehicle dynamics and overview of EV concepts will be included soon.

					
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		<ul style="list-style-type: none"> Nx, Creo and Catia components will be included in the forthcoming regulation and a practical course will be included for reverse engineering course with Industrial CMM.
16.	C	<ul style="list-style-type: none"> The BOS Members appreciated the work carried out by all the presenter and the teamwork by all the faculty members of mechanical engineering department
17.		<ul style="list-style-type: none"> Mr.T.R.Sukumar, Academic Coordinator proposed vote of thanks and conclude the meeting.



Dr.B.Senthilkumar

BOS Convenors (UG)



Mr.P.Karthi



Dr.M.Balaji

BOS Convenor (PG)


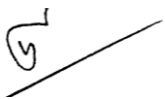

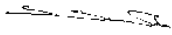
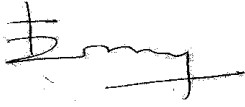




Dr.C.Velmurugan

Professor and Head

Copy to:

1. Principal
2. Expert Members
3. Faculty Members of Mechanical Engineering
4. File

					
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		Prepared by: Dr. B.Senthilkumar, ASP Mr.P.Karthi, AP-I Issued by: Dr.C.Velmurugan, HOD Issue Date: 13th Dec 2021
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Date:	11th Dec 2021	Time:	11.30 AM to 12.30 PM	Online	Google Meet - (meet.google.com/zvn-kygz-jjc)
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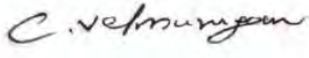
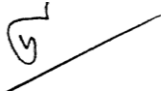
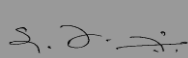

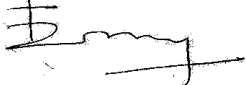
Participants of the meeting


External Panel Members

1. Dr.V.Selladurai (Anna University Nominee), Professor, Department of Mechanical Engineering, Coimbatore Institute of Technology, Coimbatore -641 014.
2. Dr. S. Jayaraj, (Subject Expert) Professor, Department of Mechanical Engineering, National Institute of Technology, Calicut – 673 601.
3. Dr. S. Senthilvelan (Academic Expert), Professor and Head, Department of Mechanical Engineering, Indian Institute of Technology Guwahati, Guwahati 781039.
4. Dr.T.Ramprabhu, (Industry Expert), Joint Director, DRDO, Bangalore-560093.
5. Mr.S.Dhatchinamoorthy (Alumni Member), Senior CFD Analyst, FORD Technology Services, Chennai

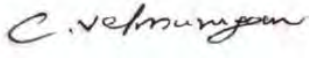
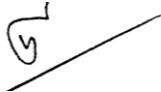


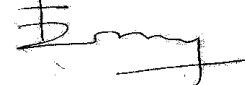
Internal Panel Members


1. Dr.C.Velmurugan, Professor and Head, Department of Mechanical Engineering, KCT
2. Dr.B.Senthilkumar (BOS Coordinator - UG), Associate Professor, Department of Mechanical Engineering, KCT
3. Dr.M.Balaji (BOS Coordinator - PG), Associate Professor, Department of Mechanical Engineering, KCT
4. Mr.S.Sivakumar (Invitee - Allied Department), Associate Professor and Head, Automobile Engineering, KCT
5. Dr. V.Muthukumaran (NBA Coordinator), Professor, Department of Mechanical Engineering, KCT
6. Dr.R.Manivel (Module Coordinator - Thermal), Professor, Department of Mechanical Engineering, KCT
7. Dr.P.Sathyabalan (Module Coordinator - Design), Professor, Department of Mechanical Engineering, KCT
8. Dr. N. Sangeetha (Program Coordinator), Senior Associate Professor, Mechanical Engineering, KCT
9. Dr. S. Bhaskar, Associate Professor, Department of Mechanical Engineering, KCT
10. Mr.T.R.Sukumar (Academic Coordinator), Associate Professor, Department of Mechanical Engineering, KCT

				
Dr.C.Velmurugan (BOS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)

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11. Dr.K.M.Senthilkumar (Module coordinator - Manufacturing and Industrial Engineering), Associate Professor, Department of Mechanical Engineering, KCT
12. Dr. V.R.Muruganatham, Associate Professor, Department of Mechanical Engineering, KCT
13. Dr.S.Balasubramanian, Associate Professor, Department of Mechanical Engineering, KCT
14. Dr.S.Thirumurugaveerakumar, Associate Professor, Department of Mechanical Engineering, KCT
15. Dr.S.Sivakumar, Asst. Professor III, Department of Mechanical Engineering, KCT
16. Dr.K.K.Arun, Asst. Professor III, Department of Mechanical Engineering, KCT
17. Dr.P.R. Ayyappan, Asst. Professor (SRG), Department of Mechanical Engineering, KCT
18. Mr.S.Sivakumar (Time table Coordinator), Asst. Professor II, Department of Mechanical Engineering, KCT
19. Dr.M.Thirumalai muthukumaran, Asst. Professor II, Department of Mechanical Engineering, KCT
20. Mr.T.Karuppusamy, Asst. Professor II, Department of Mechanical Engineering, KCT
21. Mr.M.A.Vinayaga Moorthi, Asst. Professor II, Department of Mechanical Engineering, KCT
22. Dr.A.P.Arun, Asst. Professor II, Department of Mechanical Engineering, KCT
23. Dr.V.Manivel Muralidaran, Asst. Professor II, Department of Mechanical Engineering, KCT
24. Dr.K.Krishnamoorthi, Asst. Professor II, Department of Mechanical Engineering, KCT
25. Mr.S.Ramanathan, Asst. Professor II, Department of Mechanical Engineering, KCT
26. Dr.B.N.Sreeharan, Asst. Professor II, Department of Mechanical Engineering, KCT
27. Dr.S.Balaji, Asst. Professor I, Department of Mechanical Engineering, KCT
28. Mr.S.Prabhu, Asst. Professor I, Department of Mechanical Engineering, KCT
29. Dr.M.Ramesh Kumar, Asst. Professor I, Department of Mechanical Engineering, KCT
30. Mr.S.Rajesh, Asst. Professor I, Department of Mechanical Engineering, KCT
31. Mr.R.S.Mohankumar, Asst. Professor I, Department of Mechanical Engineering, KCT
32. Mr.V.R.Navaneeth, Asst. Professor I, Department of Mechanical Engineering, KCT
33. Mr.S.Prabhu, Asst. Professor I, Department of Mechanical Engineering, KCT
34. Mr.B.Jeeva, Asst. Professor I, Department of Mechanical Engineering, KCT

				
Dr.C.Velmurugan (BOS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)

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35. Mr.S.Subbiah, Asst. Professor I, Department of Mechanical Engineering, KCT
36. Mr.P.Karthi, Asst. Professor I, Department of Mechanical Engineering, KCT
37. Mr.P.Pradeep, Asst. Professor I, Department of Mechanical Engineering, KCT
38. Mr.P.D.Devan, Asst. Professor I, Department of Mechanical Engineering, KCT
39. Mr.P.Prashanth (Timetable Coordinator), Asst. Professor I, Department of Mechanical Engineering, KCT
40. Mr.K.Manikanda Prasath, Asst. Professor I, Department of Mechanical Engineering, KCT

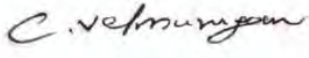
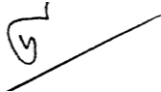
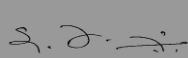

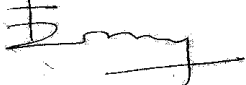
Highlights:


1. Discussion on Institute / Department vision and mission statements
2. Discussion on Program Assessment Committee meeting minutes
3. Discussion on Innovation in teaching Methodology & Placement
4. Target setting for CO, PO, PSO for all the three modules
5. Discussion on Panel of examiner for QP setting/ Lab Exams
6. Discussion on M.E., Industrial Engineering curriculum
7. General Academic discussions.

MINUTES OF MEETING & ACTION POINTS


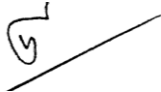
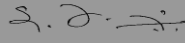

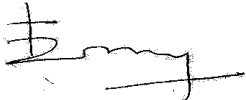
Codes: A: Action C: Comment D: Decision R: Recommendation


S.No	CODE	DESCRIPTION& DISCUSSION POINTS
1.		<ul style="list-style-type: none"> Mr. M. A. Vinayagamoorthi briefed about agenda of the BOS Meeting.
2.	C, R	<ul style="list-style-type: none"> Dr.C.Velmurugan, Professor and Head delivered the welcome address by introducing the BOS Panel Members, Previous BOS meeting details, Program Assessment committee (PAC) and Department advisory board (DAB) meeting outcomes and recommendations. Mentioned about the MoU with CAPGEMINI India Pvt Ltd., to establish a center of excellence in New Product Development. This will enhance the students and faculty knowledge in product development and promote student's placement .

				
Dr.C.Velmurugan (BOS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)

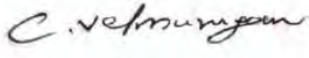
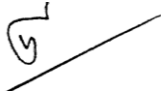
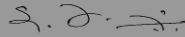

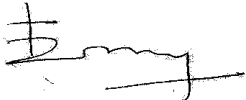
	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING 19th Board of Studies Meeting	Ref No.
		Prepared by: Dr. B.Senthilkumar, ASP Mr.P.Karthi, AP-I Issued by: Dr.C.Velmurugan, HOD Issue Date: 13 th Dec 2021
	MINUTES OF MEETING	Page Number: 4 of 7


S.No	CODE	DESCRIPTION& DISCUSSION POINTS
3.	C	<ul style="list-style-type: none"> Dr.V.Muthukumaran, Professor and NBA Coordinator, presented and discussed Institute Vision, Mission, Department Vision, and Mission statements, Programme Educational Objectives, Programme outcomes and Programme Specific Outcomes of B.E Mechanical Engineering Programme.
4.	R, D	<ul style="list-style-type: none"> Dr.B.Senthilkumar, BOS Convenor B.E Mechanical Engineering explained about the overview of BOS and DAB meeting, highlights of previous BOS meeting held on 5th June 2021 and DAB meeting held on 3rd Dec 2021, and feedback from the stake holders and action taken regarding the same. To add with he too described the Minor specialization courses offered to enhance student's cross domain knowledge. He also discussed about PhD Special Elective Course syllabus and also introduction of new electives. Mentioned about the progress of new program- B.E Mechanical and Automation Engineering
5.	R, D	<ul style="list-style-type: none"> Dr.M.Balaji, BOS Convenor M.E Industrial Engineering presented the Programme Educational Objectives, Programme Outcomes, Programme Specific Outcomes, curriculum of M.E Industrial Engineering Courses.
6.	C, R	Review of PAC meeting minutes and Target setting <ul style="list-style-type: none"> Dr.N.Sangeetha, Program Coordinator, Explained the process of calculating course outcomes and program outcomes. Also, presented the course and program outcomes attainment in the preceding Academic year (AY 2020 – 21). The module wise PAC meeting minutes were presented for the discussion
7.	C, R	<ul style="list-style-type: none"> Dr.P.Sathyabalan, Module coordinator of Design Engineering, Presented CO, PO and PSO attainment of the design courses handled by the faculty members and target for the academic year 2021–2022. Also highlighted important recommendations from design module.

				
Dr.C.Velmurugan (BOS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)

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S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		<ul style="list-style-type: none"> Dr.R.Manivel, Module coordinator of Thermal Engineering, Presented CO, PO and PSO attainment of the thermal courses handled by the faculty members and target for the academic year 2021–2022. Also highlighted important recommendations from Thermal module and mentioned about the typo error in Turbo Machine course Dr.K.M.Senthilkumar, Module Coordinator of Manufacturing and Industrial Engineering module Presented CO, PO and PSO attainment of the Manufacturing and Industrial Engineering courses handled by the faculty members and target for the academic year 2021–2022.
8.	C, R	Examiner panel <ul style="list-style-type: none"> Dr.S.Balaji, Department Exam Coordinator, Presented the guideline for question paper setting by the internal and external expert members, question paper scrutiny and evaluation of answer script. He also presented the question paper setter panel list for both theory and laboratory courses for the Odd and Even Semester of the Academic Year 2021-2022.
9.	C, R	Innovations in Teaching Methodologies <ul style="list-style-type: none"> Dr.S.Bhaskar Mentioned about the online teaching methods adopted in the institution. He also highlighted the placement details.
10.	C, R	Curriculum – Discussion with BOS Academic experts <ul style="list-style-type: none"> Dr.V.Selladurai, (Anna University Nominee) discussed about the AICTE guidelines for preparing curriculum and syllabus and credit distribution of various streams.
11.	C, R	<ul style="list-style-type: none"> Dr.S.Jayaraj, (Academic Expert) Conveyed that he had gone through the syllabus & Curriculum and appreciated our curriculum and syllabus content.
12.	C, R	<ul style="list-style-type: none"> Dr.S.Senthilvelan, (Academic Expert) said that curriculum is good. He also enquired about the issues faced on online examination and evaluation of the online assessment.

				
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S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		<ul style="list-style-type: none"> Dr.B.Senthilkumar conveyed about the connectivity issues faced by the students and it was rectified by calling them to the campus. He discussed about use of examly software in KCT to monitor the students.
13.	C, R	<ul style="list-style-type: none"> Dr.T.RamPrabhu, (Industry Nominee) asked about the Minor specialization and recommended about the inclusion of Robotics and Automation. Dr.B.Senthilkumar communicated that the minor specialization is of cross domain Dr.R.Manivel Conveyed on the working of R2022 Curriculum regarding Automation
14.	C,R	<ul style="list-style-type: none"> Mr.S.Dhatchinamoorthy (Alumni Member), discussed the latest developments in Mechanical Engineering field.
15.	C	<ul style="list-style-type: none"> The BOS Members appreciated the work carried out by all the presenter and the teamwork by all the faculty members of mechanical engineering department
16.		<ul style="list-style-type: none"> Mr.T.R.Sukumar, Academic Coordinator proposed vote of thanks and conclude the meeting.



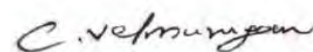
Dr.B.Senthilkumar



Mr.P.Karthi



Dr.M.Balaji


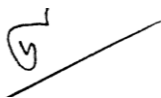
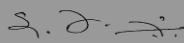

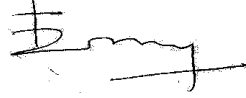



Dr.C.Velmurugan

BOS Convenors (UG)


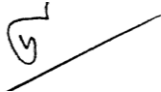
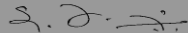

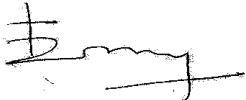
BOS Convenor (PG) Professor and Head


Copy to:

				
Dr.C.Velmurugan (BOS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)

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1. Principal
2. Expert Members
3. Faculty Members of Mechanical Engineering
4. File

				
Dr.C.Velmurugan (BOS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING 18th Board of Studies Meeting	Ref No. KCT/ME/BOS18/2020 -21/01
		Prepared by: Dr. B.Senthilkumar, ASP Issued By: Dr.C.Velmurugan, HOD Issue Date: 7th June 2021
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Date:	5th June 2021	Time:	10.00 AM to 11.30 AM	Online	Google Meet - meet.google.com/rsp-uuzk-qjv
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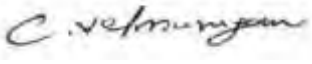

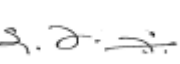

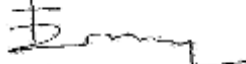
Participants of the meeting


External Panel Members

1. Dr.V.Selladurai (Anna University Nominee), Professor, Department of Mechanical Engineering, Coimbatore Institute of Technology, Coimbatore -641 014.
2. Dr. S. Jayaraj, (Subject Expert) Professor, Department of Mechanical Engineering, National Institute of Technology, Calicut – 673 601.
3. Dr. S. Senthilvelan (Academic Expert), Professor and Head, Department of Mechanical Engineering, Indian Institute of Technology Guwahati, Guwahati 781039.
4. Dr.T.Ramprabhu, (Industry Expert), Deputy Director, DRDO, Bangalore-560093.
5. Mr.S.Dhatchinamoorthy (Alumni Member), Senior CFD Analyst, FORD Technology Services, Chennai

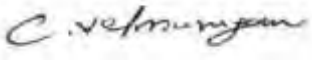

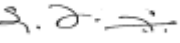

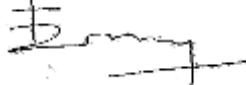
Internal Panel Members


1. Dr.C.Velmurugan, Professor and Head, Department of Mechanical Engineering, KCT
2. Dr.B.Senthilkumar (BoS Coordinator - UG), Associate Professor, Department of Mechanical Engineering, KCT
3. Dr.M.Balaji (BoS Coordinator - PG), Associate Professor, Department of Mechanical Engineering, KCT
4. Mr.S.Sivakumar (Invitee - Allied Department), Associate Professor and Head, Automobile Engineering, KCT
5. Dr. V.Muthukumaran (NBA Coordinator), Professor, Department of Mechanical Engineering, KCT
6. Dr.R.Manivel (Module Coordinator - Thermal), Professor, Department of Mechanical Engineering, KCT
7. Dr.P.Sathyabalan (Module Coordinator - Design), Professor, Department of Mechanical Engineering, KCT
8. Dr. N. Sangeetha (Program Coordinator), Senior Associate Professor, Mechanical Engineering, KCT
9. Dr. S. Bhaskar, Associate Professor, Department of Mechanical Engineering, KCT
10. Mr.T.R.Sukumar (Academic Coordinator), Associate Professor, Department of Mechanical Engineering, KCT

				
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11. Dr.K.M.Senthilkumar (Module coordinator - Manufacturing and Industrial Engineering), Associate Professor, Department of Mechanical Engineering, KCT
12. Dr. V.R.Muruganantham, Associate Professor, Department of Mechanical Engineering, KCT
13. Dr.S.Balasubramanian, Associate Professor, Department of Mechanical Engineering, KCT
14. Dr.S.Thirumurugaveerakumar, Associate Professor, Department of Mechanical Engineering, KCT
15. Dr.K.Ulaganathan, Asst. Professor III, Department of Mechanical Engineering, KCT
16. Dr.S.Sivakumar, Asst. Professor III, Department of Mechanical Engineering, KCT
17. Dr.K.K.Arun, Asst. Professor III, Department of Mechanical Engineering, KCT
18. Dr.P.R. Ayyappan, Asst. Professor (SRG), Department of Mechanical Engineering, KCT
19. Mr.S.Sivakumar (Time table Coordinator), Asst. Professor II, Department of Mechanical Engineering, KCT
20. Mr.M.Thirumalai muthukumaran, Asst. Professor II, Department of Mechanical Engineering, KCT
21. Mr.T.Karuppusamy, Asst. Professor II, Department of Mechanical Engineering, KCT
22. Mr.M.A.Vinayaga Moorthi, Asst. Professor II, Department of Mechanical Engineering, KCT
23. Dr.A.P.Arun, Asst. Professor II, Department of Mechanical Engineering, KCT
24. Dr.V.Manivel Muralidaran, Asst. Professor II, Department of Mechanical Engineering, KCT
25. Dr.K.Krishnamoorthi, Asst. Professor II, Department of Mechanical Engineering, KCT
26. Mr.S.Ramanathan, Asst. Professor II, Department of Mechanical Engineering, KCT
27. Dr.B.N.Sreeharan, Asst. Professor II, Department of Mechanical Engineering, KCT
28. Dr.S.Balaji, Asst. Professor I, Department of Mechanical Engineering, KCT
29. Mr.S.Prabhu, Asst. Professor I, Department of Mechanical Engineering, KCT
30. Dr.M.Ramesh Kumar, Asst. Professor I, Department of Mechanical Engineering, KCT
31. Mr.S.Rajesh, Asst. Professor I, Department of Mechanical Engineering, KCT
32. Mr.R.S.Mohankumar, Asst. Professor I, Department of Mechanical Engineering, KCT
33. Mr.V.R.Navaneeth, Asst. Professor I, Department of Mechanical Engineering, KCT

				
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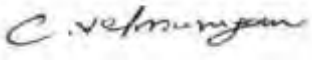

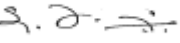

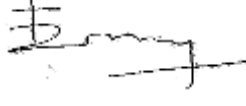
34. Dr.P.S.Samuel Ratna Kumar, Asst. Professor I, Department of Mechanical Engineering, KCT
35. Mr.S.Prabhu, Asst. Professor I, Department of Mechanical Engineering, KCT
36. Mr.B.Jeeva, Asst. Professor I, Department of Mechanical Engineering, KCT
37. Mr.S.Subbiah, Asst. Professor I, Department of Mechanical Engineering, KCT
38. Mr.P.Karthi, Asst. Professor I, Department of Mechanical Engineering, KCT
39. Mr.P.Pradeep, Asst. Professor I, Department of Mechanical Engineering, KCT
40. Mr.P.D.Devan, Asst. Professor I, Department of Mechanical Engineering, KCT
41. Mr.P.Prashanth (Timetable Coordinator), Asst. Professor I, Department of Mechanical Engineering, KCT
42. Mr.K.Manikanda Prasath, Asst. Professor I, Department of Mechanical Engineering, KCT
43. Mr.S.Suresh, Asst. Professor I, Department of Mechanical Engineering, KCT


Highlights: Discussions on Department Vision, mission, PEO's, PSO's, R18 Regulation 1. New Elective Courses 2. PROTOSEM 3. One credit courses 4. Examiner panel approval 5. CO – PO attainment targets 6. Member inputs on Infrastructure, National Education Policy 2021, Gaps in the Curriculum and Syllabus, and Best Practices.

MINUTES OF MEETING & ACTION POINTS

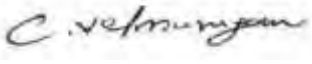

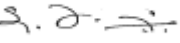

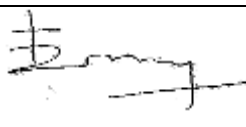
Codes: A: Action C: Comment D: Decision R: Recommendation


S.No	CODE	DESCRIPTION& DISCUSSION POINTS
1.		<ul style="list-style-type: none"> Welcome Note and Introduction of Members by Chairperson Mr. M. A. Vinayagamoorthi invited Dr. C. Velmurugan to deliver the welcome address for the BOS Meeting.
2.	C, R	<ul style="list-style-type: none"> Dr.C.Velmurugan, Professor and Head delivered the welcome address by introducing the BOS Panel Members, Previous BOS meeting details, UGC and Anna university Autonomy extension visits, Program Assessment committee (PAC) and Department advisory board (DAB) meeting outcomes and recommendations. Also, Introduction of Internship and Inplant training in the 4th semester for the students

				
Dr.C.Velmurugan (BoS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)

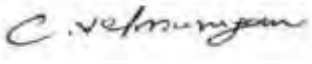

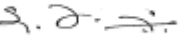

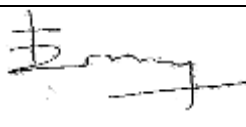
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S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		admitted Academic year 2020 – 21, Highlights of National Education Policy 2020- Flexibility in course Selection, Curriculum integration of essential subjects, skills and capacity, financial assistantship for selected final year projects.
3.	C	<ul style="list-style-type: none"> Dr.V.Muthukumaran, Professor and NBA Coordinator, presented and discussed Institute Vision, Mission, Department Vision, and Mission statements, Programme Educational Objectives, Programme outcomes and Programme Specific Outcomes of B.E Mechanical Engineering Programme.
4.	R, D	<p>Syllabus - Updation and relevance to industrial, career requirement:</p> <ul style="list-style-type: none"> Dr.B.Senthilkumar, BOS Convenor B.E Mechanical Engineering Programme presented the following Protosem courses along with its mapping and it is approved by the BOS Members. These Protosem course content were designed by industry personals to suit industry requirements and in content delivery industry personals will be involved. <ol style="list-style-type: none"> U18MEPS24 Coding for Innovators U18MEPS22 Robotics U18MEPS17 Startup Fundamentals U18MEPS23 Computational Hardware U18MEPS26 Industrial Automation U18MEPS11 Applied Design Thinking U18MEPS25 Prototyping Fundamentals. The following one credit courses were presented for introducing in the R18 curriculum and it is approved by the BOS Members. In course delivery industry personals will contribute. <ol style="list-style-type: none"> U18MEC0001 Product Design and Development U18MEC0002 Smart Manufacturing

				
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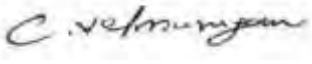

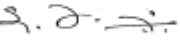

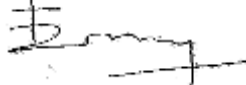
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S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		3. U18MEC0003 Nanotechnology: Mechanical Engineering's New Frontier 4. U18MEC0504 ANSYS Multiphysics 5. U18MEC0005 Renewable Energy 6. U18MEC0206 Advanced Heat Transfer Enhancement Techniques
5.	R, D	<ul style="list-style-type: none"> • Dr.M.Balaji, BOS Convenor M.E Industrial Engineering presented the Programme Educational Objectives, Programme Outcomes, Programme Specific Outcomes of M.E Industrial Engineering Courses. • He also presented the curriculum and syllabus of R2021 M.E Industrial Engineering 1st to 4th semesters including elective courses. • He also proposed to introduce a new elective course on P18IEE0025 Condition monitoring for PhD scholar based on the recommendations of doctoral committee meeting minutes.
6.	C, R	Review of PAC meeting minutes and Target setting <ul style="list-style-type: none"> • Dr.N.Sangeetha, Programme Coordinator Presented the calculation of Course Outcomes, Programme Outcomes and Programme Specific Outcomes Attainment of the theory, practical and embedded courses. • Some of the curriculum gaps were identified and highlighted in PAC meeting. To address that, the Course content revision was proposed for the U18MEP7702 Mini Project / Phase I Project and U18MEP8702 Capstone Project / Internship / Phase II project. • The curriculum changes were suggested for few courses such as Engineering Metrology and Quality Control, Computer Integrated Manufacturing in PAC were addressed and correspondingly mapping was changed.

				
Dr.C.Velmurugan (BoS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)

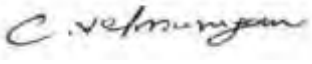

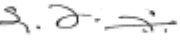

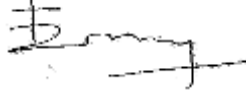
	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING 18th Board of Studies Meeting	Ref No. KCT/ME/BOS18/2020 -21/01
		Prepared by: Dr. B.Senthilkumar, ASP Issued By: Dr.C.Velmurugan, HOD Issue Date: 7th June 2021
	MINUTES OF MEETING	Page Number: 6 of 8


S.No	CODE	DESCRIPTION& DISCUSSION POINTS
7.	C, R	<ul style="list-style-type: none"> Dr.P.Sathyabalan, Module coordinator of Design Engineering, Presented CO, PO and PSO attainment of the design courses handled by the faculty members and target for the academic year 2021–2022. Also highlighted important recommendations from design module. Dr.R.Manivel, Module coordinator of Thermal Engineering, Presented CO, PO and PSO attainment of the thermal courses handled by the faculty members and target for the academic year 2021–2022. Also highlighted important recommendations from Thermal module Dr.K.M.Senthilkumar, Module Coordinator of Manufacturing and Industrial Engineering module Presented CO, PO and PSO attainment of the Manufacturing and Industrial Engineering courses handled by the faculty members and target for the academic year 2021–2022.
8.	C, R	Examiner panel <ul style="list-style-type: none"> Mr.S.Rajesh, Department Exam Coordinator, Presented the guideline for question paper setting by the internal and external expert members, question paper scrutiny and evaluation of answer script. He also presented the question paper setter panel list for both theory and laboratory courses for the Odd and Even Semester of the Academic Year 2021-2022 and the BOS members approved the panel list.
9.	C, R	Innovations in Teaching Methodologies <ul style="list-style-type: none"> Dr.P.S.Samuel Ratna Kumar, presented the various tools and techniques such as MS TEAM, KITE, MY CAMU Software adopted in the institution to deliver the lecture classes in online mode. Along with the regular curriculum to meet the industries specific needs one credit courses were introduced, which has been highlighted earlier.

				
Dr.C.Velmurugan (BoS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING 18th Board of Studies Meeting	Ref No. KCT/ME/BOS18/2020 -21/01
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	MINUTES OF MEETING	Page Number: 7 of 8

S.No	CODE	DESCRIPTION& DISCUSSION POINTS
10.	C, R	Curriculum – Discussion with BOS Academic experts <ul style="list-style-type: none"> Dr.V.Selladurai, (Anna University Nominee) discussed about the importance of AICTE guidelines and Anna university rules and regulation for framing the curriculum and syllabus. He also discussed about the importance of Industrial internship for students. Interdisciplinary students' projects can be encouraged for best outcomes.
11.	C, R	<ul style="list-style-type: none"> Dr.S.Jayaraj, (Academic Expert) suggested to complete Engineering Graphics and other important laboratory courses in the online mode itself, instead of shifting it to next semester to avoid overload to the students. He also discussed the course contents of M.E., Industrial Engineering courses.
12.	C, R	<ul style="list-style-type: none"> Dr.S.Senthilvelan, (Academic Expert) also shared the similar view on shifting the Engineering graphics course to next semester. Dr.B.Senthilkumar conveyed the possibility of inclusion of engineering graphics in the third semester and machine drawing theory and practical course in the fourth semester to avoid overload to the students.
13.	C, R	<ul style="list-style-type: none"> Dr.T.RamPrabhu, (Industry Nominee) insisted the importance of including one credit courses in the curriculum on emerging topics like Post processing and Non Destructive Testing (NDT) by certified trainers from Industries while framing the forthcoming curriculum and syllabus.
14.	C, R	<ul style="list-style-type: none"> Dr.T.Ramprabhu insisted on Industrial Exposure to the students and Industry personals mentorship's importance. Hence a new non-credit mandatory course on U18MEP4704 – Industrial Internship was introduced in the curriculum to be offered in the fourth semester for students admitted first year in the academic year 2020 – 2021 for enhancing the industrial exposure to all the students and it is approved by the BOS

				
Dr.C.Velmurugan (BoS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING 18th Board of Studies Meeting	Ref No. KCT/ME/BOS18/2020 -21/01
		Prepared by: Dr. B.Senthilkumar, ASP
	MINUTES OF MEETING	Issued By: Dr.C.Velmurugan, HOD Issue Date: 7 th June 2021 Page Number: 8 of 8

S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		Members.
15.	C, R	<ul style="list-style-type: none"> Dr.S.Sivakumar, (Special Invitee) suggested to revise PEO 1 and PEO 2 for the M.E Industrial Engineering programme to be addressed in future.
16.	C	<ul style="list-style-type: none"> The BOS Members appreciated the work carried out by all the presenter and the teamwork by all the faculty members of mechanical engineering department
17.		<ul style="list-style-type: none"> Mr.T.R.Sukumar, Academic Coordinator proposed vote of thanks and conclude the meeting.



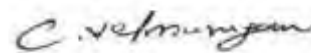
Dr.B.Senthilkumar

BOS Convenor (UG)



Dr.M.Balaji

BOS Convenor (PG)

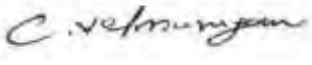

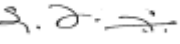

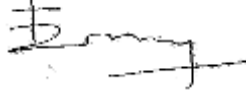


Dr.C.Velmurugan

Professor and Head

Copy to:

1. Principal
2. Expert Members
3. Faculty Members of Mechanical Engineering
4. File

				
Dr.C.Velmurugan (BoS Chairperson)	Dr.V.Selladurai (Anna University Nominee)	Dr. S. Jayaraj (Subject Expert)	Dr. S. Senthilvelan (Subject Expert)	Dr.T.Ramprabhu (Industry Expert)



MINUTES OF BOARD OF STUDIES MEETING

Department: Mechanical Engineering

Programme: B.E Mechanical and Automation Engineering (New Programme for the Academic Year 2021-2022)

Venue: Online mode - Google meet (meet.google.com/qca-yzyy-kvu)

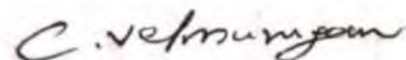
Date: 7th May 2021

Time: 09:00 AM

- Mr.M.A.Vinayagamoorthi invited Dr.C.Velmurugan to deliver the welcome address for the BOS Meeting for the Approval of Curriculum and Syllabus of New programme on B.E Mechanical and Automation Engineering for the Academic Year 2021-2022.
- Dr.C.Velmurugan, Professor and Head delivered the welcome address by introducing the BOS Panel Members, Previous BOS meeting details, Program Assessment committee (PAC) and Department advisory board (DAB) meeting outcomes and recommendations. The Institute Vision, Mission, Department Vision, Mission, PEOs, POs and PSOs are discussed.
- Dr.B.Senthilkumar, BOS Convenor UG presented the proposed curriculum and syllabus of new programme on B.E Mechanical and Automation Engineering 1st Semester to 8th Semesters.
- Dr.V.Selladurai, Anna University Nominee discussed AICTE requirements and industry expectations. He also enquired about credits for the internship. He has gone through the curriculum and syllabus and found that it is inline with the industry expectations.
- Dr.S.Senthilvelan, Academic Expert discussed about the pre-requisites specified for the courses. He also discussed about the importance of internships and inplant training for the students. He suggested to move Computer aided design and Manufacturing (U21MET2001) course from 2nd semester to 4th semester and shifting the Industrial

Design and Sketching (U21MET4004) course from second year to first year. He suggested to rename the course Thermal concepts for Manufacturing Engineers (U21MET3001) into Thermal Engineering.

- Dr.S.Jayaraj, Academic Expert suggested to include fluid power systems related theory course in the curriculum for better understanding of the automation concepts. Also he expressed satisfaction on the proposed curriculum and syllabus.
- Dr.T.Ramprabhu, Industry Expert discussed about the course content of U21MET3003, Special Manufacturing Processes. He suggested to include basics of manufacturing processes and rename the course as Manufacturing Processes with the same course code. He suggested to give exposure on modelling and Analysis software for the students. He has gone through the content of U21CST1001, Programming for problem solving and recommended to align the course delivery to meet the programme requirements.
- Mr.S.Sivakumar, Professor and Head of Automobile Engineering Department suggested to rename the course on Thermal Concepts for Manufacturing Engineers as Thermal Engineering or Thermal Systems.
- Mr. K.Arun, Student Representative requested to give the credit transfer for the successfully completed NPTEL Courses. The BOS Convenor replied that this will be done according to the academic regulations.
- The BOS Expert Members recommended to start the new programme on B.E Mechanical and Automation Engineering for the Academic Year 2021-2022
- The BOS Expert members approved the proposed curriculum and syllabus from 1st to 8th semesters with the changes incorporated.
- Mr.T.R.Sukumar, Academic Coordinator proposed vote of thanks and conclude the meeting.



BOS Chairman
Professor and Head
Department of Mechanical Engineering

Dr. C. VELMURUGAN, M.E., Ph.D.
Professor & Head
Department of Mechanical Engineering
Kumaraguru College of Technology
Coimbatore - 641 049.



MINUTES OF BOARD OF STUDIES MEETING

Department: Mechanical Engineering

Programme: B.E Mechanical Engineering

M.E Industrial Engineering

B.E Mechanical and Smart Manufacturing (New course for the Academic
Year 2021-2022)

Venue: Online mode - Google meet

Date: 21st November 2020

Time: 10:00 AM

1. Welcome Note and Introduction of Members by Chairperson

- Dr.V.Selladurai. Anna University Nominee started the meeting by setting context covering from various aspects like AICTE requirements, Current industrial scenario-based expectations on students.
- Mr.R.S.Mohankumar invited Dr.C.Velmurugan to deliver the welcome address for the BOS Meeting.
- Dr.C.Velmurugan, Professor and Head delivered the welcome address by introducing the BOS Panel Members, Previous BOS meeting details, UGC and Anna university Autonomy extension visits, Program Assessment committee (PAC) and Department advisory board (DAB) meeting outcomes and recommendations. The Institute Vision, Mission, Department Vision, Mission, PEOs, POs and PSOs are discussed.

2. Curriculum - balance of courses as per domain, pre-requisites

- Suggestions by Members: Dr.S.Senthilvelan, Academic Expert started discussion about pre-requisites specified for the courses. Also enquired about the eligibility to a course with pre-requisites.
- Response: In the case of courses with pre-requisites the student expected to have taken the course and it is not insisted whether the course is cleared by the student.

3. Syllabus - Updation and relevance to industrial, career requirement:

- Dr.B.Senthilkumar, BOS Convenor UG presented the Curriculum and Syllabus of R2018 B.E Mechanical Engineering 5th Semester to 8th Semester, R2017 B.E Mechanical Engineering 7th and 8th Semesters and the curriculum and syllabus of the new course B.E Mechanical and Smart Manufacturing 1st to 8th semesters for the Academic Year 2021-2022.
- Dr.M.Balaji, BOS Convenor PG presented the Curriculum and Syllabus of R2018 M.E Industrial Engineering 1st to 4th semesters.
- Suggestions by Members: Dr.V.Selladurai, Anna University Nominee enquired about the provision credits for the internship.
- Response: In curriculum there is no provision for credits assigned for the Internship. But in the regulations Industrial internships can be credited and mapped against program / open electives.
- Suggestions by Members: Dr.Senthilvelan, Academic Expert enquired about the course content of Design of Transmission system. Dr. N.Sangeetha explained the contents of the course to the expert. Also the expert requested the details of the course Design of Machine Elements and Dr.K.Ulaganathan explained the contents in detail. Subject expert suggested to explore the ways to modify the Design of Transmission System by including System Design which has shaft, bearing, gears, clutches and brakes. Also, include Design for Manufacturing and Assembly (DFMA) concepts also. Dr.P.Sathyabalan conveyed that the aspects gears are covered in the Kinematics of Machinery.

- Suggestions by Members: Dr.T.Ramprabhu, Industry Expert answered for the query raised by Prof. R.Manivel regarding procedure for internships at DRDO labs. He suggested to apply directly to the human resource department at each DRDO labs. Also, he insisted that doing research intern is better than the summer interns at DRDO labs. Highlighted to explore the possibilities to include courses like 3D Printing and Design and data science in the curriculum.
- Suggestions by Members: Dr.S.Jayaraj, Academic Expert suggested to include laboratories for all the courses in the curriculum wherever possible. Also enquired about embedded courses offered in the curriculum. He also suggested to add one or two additional elective course for M.E Industrial Engineering Programme.
- Suggestions by Members: Mr.S.Dhatchinamoorthy, Alumni Nominee suggested to include CAE related courses in the curriculum as it is very important for any design related career in the industry.
- Response: As far as the embedded courses concerned the students are expected to clear both components to earn the credits. We have already included Finite Element Analysis and Computational Fluid Dynamics in the R17 and R18 Curriculum.

4. Course Delivery - Mode and effectiveness

- Suggestions by Members: Dr.T.Ramprabhu, Industry Expert suggested to explore the possibility of offering the courses in the curriculum in a connected manner. This can be achieved by using industrial case studies solved by the students relevant to the course.
- Response: The department is having 14 Memorandum of understanding (MoUs) with various industries. Students are encouraged to undergo internships during the vacations. At the end of their interns they are submitting a report on the industrial internship.
- Suggestions by Members: Dr.S.Senthilvelan, Academic Expert said that 1 or 2 credits may be assigned for the Project work Phase – I instead of no credits. Also, suggested that at the end of project work phase – I the students are expected to submit report or posters as outcomes.

- Response: The Department will explore the possibilities of awarding credits for the Project work Phase – I in the R18 batch.

5. Course Assessment - - Mode and effectiveness,

- Suggestions by Members: Dr.S.Senthilvelan, Academic Expert suggested to offer the software based course through VPN mode. So that students can work on the software remotely.
- Response: Currently Office 365, Fusion 360 and MATLAB can be downloaded and used with KCT student id. In this regard the course faculty will convey the necessary information.

6. Infra requirement, upgradation

- Suggestions by Members: Dr.T.Ramprabhu, Industry Expert suggested to include 3D printing in the curriculum through electives.
- Response: In KCT, 3D Printing facility is available as common institutional level for students to explore.

7. Student's knowledge and skill development

- Suggestions by Members: Dr.S.Senthilvelan, Academic Expert suggested to offer grouped open electives so that student can earn minor specialization. Mr. K.Arun, Student Representative suggested to include the pre-requisites for the open elective courses. Dr. S.Senthilvelan, Academic Expert said that open elective courses meant to exposure to the other domains, where it is not possible to prescribe pre-requisites.
- Response: Currently we have provisions for only two open elective courses in the curriculum. But student can choose the elective courses in a way that they have specialization in following domains like design, manufacturing and thermal.

8. Faculty qualification/ specialisation - recommendation

Suggestions by Members: Dr.S.Jayaraj, Academic Expert suggested to include courses from Mechanical Engineering discipline to be offered in the Forge Protosem. Mr.S.Bhaskaran, Parent Nominee suggested to involve Mechanical Engineering Faculty to handle Protosem course at FORGE.

9. The BOS Expert Members recommended to start the new programme on B.E Mechanical and Smart Manufacturing for the Academic Year 2021-2022 and approved the curriculum and syllabus from 1st to 8th semesters.

10. Mr.T.R.Sukumar, Academic Coordinator proposed vote of thanks and conclude the meeting.



Dr.C.Velmurugan

BOS Chairman

Professor and Head

Department of Mechanical Engineering

Dr. C. VELMURUGAN, M.E., Ph.D.
Professor & Head
Department of Mechanical Engineering
Kumaraguru College of Technology
Coimbatore - 641 049.



Kumaraguru College of Technology, Coimbatore – 641 049.

Department of Mechanical Engineering

20-12-2018

Minutes of the 15th Board of Studies (BOS) Meeting

Date & Time of Meeting: 17.12.2018 & 10.00 A.M.

Venue: Conference Hall, Mechanical Engineering Department

Agenda

- Discussion and Finalizing the R2017 curriculum and syllabus (5th to 8th Semesters)
- Discussion and Finalizing the R2018 curriculum and syllabus (3rd and 4th Semesters)

The following members were present during the meeting 15th Board of Studies (BOS) Meeting.

Name	Designation & Address	Name	Designation & Address
Dr. K. Marimuthu,	Professor and Head, Department of Mechanical Engineering, Coimbatore Institute of Technology, Coimbatore – 641 014. marimuthu@cit.edu.in 9486587225	Dr. M.Senthil Kumar,	Associate Professor, Department of Production Engineering, PSG College of Technology, Coimbatore – 641 004. msenthil_kumar@hotmail.com 9443751578
Mr. R.Venkatachalam	Advisor Purchase ABT Limited, 18 Race Course Road, Coimbatore – 641 018.9994490000, rvenkatachalam@abtlimited.com, venkatssl@gmail.com	Dr. C. Velmurugan	Professor and Head of the Department velmurugan.c.mec@kct.ac.in 9894167740
Mr. D. Ranjith Kumar	Commercial Item Engineer, Cameron Manufacturing India Pvt. Ltd., Coimbatore – 641 014. 9790653538 dkumar32@cameron.slb.com	Dr. V. Muthukumaran	Professor muthukumaran.v.mec@kct.ac.in 9790544906
Dr. Vinohar Stephen Rapheal	Associate Professor, Department of Bio Technology, vinohar.stephenrapheal.bt@kct.ac.in	Dr.R.Manivel	Professor & Module Coordinator manivel.r.mec@kct.ac.in 9442433517
Dr.P.K.Giridharan	Professor	Dr. P. Sathyabalan	Professor & Module Coordinator


	giridharan.pk.mec@kct.ac.in 9994061179		sathyabalan.p.mec@kct.ac.in 9443913898
Dr. S. Bhaskar	Associate Professor bhaskar.s.mec@kct.ac.in 9443578139	Dr. R. Arvind Singh	Professor & Module Coordinator arvindsingh.r.mec@kct.ac.in 9566784064
Prof. T. R. Sukumar	Associate Professor & Academic Coordinator sukumar.tr.mec@kct.ac.in 9487700839	Dr. K. M. Senthilkumar	Associate Professor & Module Coordinator senthilkumar.km.mec@kct.ac.in 9894863150
Dr.C.S.Sentthilkumar	Associate Professor, Department of Fashion Technology sentthilkumar.cs.ft@kct.ac.in	Dr. G. Ramakrishnan Parent Nominee	Professor - FT ramakrishnan.g.mec@kct.ac.in
Dr. M. Balaji	Associate Professor – BoS M.E., IE balaji.m.mec@kct.ac.in 9487019486	Dr. N. Sangeetha	Senior Associate Professor & Programme Coordinator sangeetha.n.mec@kct.ac.in 9443779513
Dr. K. K. Arun	Assistant Professor - III – BoS M.E., CAD/CAM arun.kk.mec@kct.ac.in 9843598800	Mr.S.Sivakumar	Assistant Professor – II – Timetable Coordinator sivakumar.s.mec@kct.ac.in 7667549572
Dr. K. Malarvizhi	Professor and Head, EEE malarvizhi.k.eee@kct.ac.in 9865852223	Mr.V.R.Navaneeth	Assistant Professor – I – Exam Coordinator navaneeth.vr.mec@kct.ac.in
Mr. V. P. Gokul Prasath	Student nominee III B.E., (Mechanical Engg.) 9578830144 gokulprasad.16me@kct.ac.in	Mr. K. Arun	Student nominee III B.E., (Mechanical Engg.) 9047296929 arun1.16me@kct.ac.in

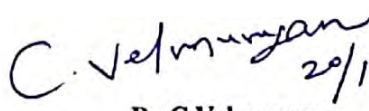
The following points were discussed during the meeting.

1. Dr.C.Velmurugan delivered the welcome address to the panel, introduced the members present and action taken on 14th BOS meeting minutes. He also explained the reason for the absence of Anna University nominee.
2. Dr.C.Velmurugan presented the 5th to 8th semester curriculum of R2017 batch and 3rd and 4th Semester curriculum of R2018 Batch. Both Academic external experts

- expressed their view that increasing the credit up to 170 will increase the knowledge, skill and employability of the students.
3. Dr.M.Balaji proposed to change the name of the elective course Marketing management into Industrial marketing as the content is revised more relevant to suit the Mechanical Engineering Students.
 4. Dr. M. Senthil Kumar proposed revision of course name and content of Metal cutting and Computer aided manufacturing. The course content to be modified by removing CIM components like group technology and extensive coverage of NC and CNC part programming. Also, number of experiments offered under this embedded course need to be reduced from 12 to 10 or 8 experiments to suit the time duration.
 5. Dr. K. Marimuthu insisted that the latest edition books to be mentioned the references. Also, web references to be added wherever possible.
 6. Dr. M. Senthil Kumar proposed to include NPTEL, Coursera and other MOOC course links in the references.
 7. Dr. M. Senthil Kumar insisted changing the name of the topic complex stresses as principle stress in the subject Strength of Materials
 8. Alumni nominee Mr. D. Ranjith Kumar suggested that the number experiments in the embedded course Geometric modelling and CAD can be reduced from 12.
 9. Detailed discussion was held about the assessment pattern of mandatory non-credited course Environmental science.
 10. Dr. K. Marimuthu asked the details about the experiment on determination of flash and fire point of a given oil and suggested to change it as Determination of flash and fire point of fuel.
 11. Dr. M. Senthil Kumar suggested to add laboratory component to the course Finite element analysis.
 12. Mr. D. Ranjith Kumar suggested that learning fundamentals of friction is very important from the industry perspective. Dr. P. Sathyabalan said that Mechanical curriculum has integrated friction principles in the following courses Engineering mechanics, Kinematics of Machinery and Design of Transmission System.
 13. Student nominee Mr. K. Arun and Mr. D. Ranjith Kumar suggested to include a three-credit course on Machine Drawing.
 14. Dr. M. Senthil Kumar insisted to shift the Automobile Engineering course to elective and in its place Design of Transmission system to be offered. Also, suggested to incorporate these changes to prepare students for the GATE examinations.

15. Dr. K. Marimuthu insisted that the awareness on course outcomes (CO) is very important.
16. Industry nominee Mr. R.Venkatachalam said that more importance to be given for the core sector knowledge. Dr. V. Muthukumaran said that the department caters wide spectrum of industries, so students should develop the advanced skills through industrial training and internships.
17. The members suggested to sent the soft copy of the 15th Board Of Studies (BOS) Meeting minutes to Anna University Nominee for his reference and suggestions.


Dr. B. Senthilkumar
BoS – Convenor


Dr.C.Velmurugan
BoS – Chairman / Mechanical Engineering



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and
Accreditation Council)

A++^{GRADE}

Textile Technology



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and Accreditation Council)

GRADE
A++

Department of Textile Technology

Sl. No.	Date of Board of Studies meeting
1.	12.01.2023
2.	06.07.2022
3.	15.12.2021
4.	05.06.2021
5.	24.11.2020
6.	14.12.2018
7.	03.04.2018
8.	08.02.2018




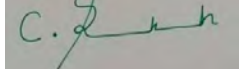
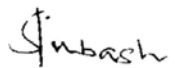



	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF TEXTILE TECHNOLOGY 21ST Board of Studies Meeting	Ref No: TXT/BoS/21
		Prepared by: Dr. Saminathan R Issued by: Dr V. Ramesh Babu, HoD - TXT
	MINUTES OF MEETING	Page 1 of 8

Date: 12.01.2023	Time: 11AM – 1230 PM	Online	MS Teams: https://tinyurl.com/4ar3wvye
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Participants of the meeting

External panel members:

1. **Dr. R. Neelakandan**, Professor and HoD, Department of Textile Technology, ACT Campus, Anna University, Chennai-600 025. (*Anna University Nominee*).
2. **Dr. Apurba Das**, Professor - Textile Technology, Indian Institute of Technology, Hauz Khas New Delhi -110016. (*Subject expert*).
3. **Dr C. Prakash**, Director, Indian Institute of Handloom Technology, Fulia, West Bengal (*Subject expert*).
4. **Dr. A. Subash Babu**, Professor, Industrial Engineering & Operations Research, Department of Mechanical Engineering, IIT Bombay, Powai, Mumbai, 400076 (*Subject expert*).
5. **Dr V. D. Gotmare**, Ex-Head Of the Department, Textile Manufacturing Department, Veermata Jijabai Technological Institute (VJTI) Matunga, Mumbai -400019 (*Special invitee*).
6. **Mr. R. Senthil Kumar**, - General Manager, PFY-Southern Region, Reliance Industries Ltd., Tirupur-641602. (Expert from industry).
7. **Mr R. Sathish Kumar**, Founder and Director, iExemplar Software India Limited, 3/E, II Floor, Brooke Bond Layout, Krishnaswamy Road, Coimbatore 641002. (*Expert from industry*)




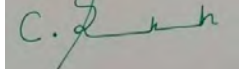
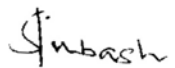



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Dr. A. Subash Babu (Subject Expert)	Dr V. D. Gotmare (Special Invitee)	Mr. R. Senthil Kumar (expert from industry)	Mr. R. Sathish Kumar (Expert from industry)
			

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8. **Mr. P. Kaleeswaran**, Deputy Manager-Business Excellence, Zen Linen International PVT Ltd. 935, South Neem Boulevard, Sector- 42, Sri City SEZ, Satyavedu Mandal, Chittoor District, Andhra Pradesh- 517588, *(Alumni with PG qualification)*
9. **Ms. R. Swathy**, Data Associate, Amazon Development centre(India) Private Limited *(Alumni with PG qualification)*




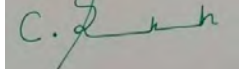
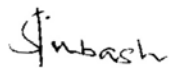



Internal Panel Members


1. Dr V. Ramesh Babu, Head of Department, Textile Technology, Associate Professor, Kumaraguru College of Technology, Coimbatore – 49. *(BoS Chairperson)*
2. Prof. A. Pavendhan, Associate Dean Textile cluster, Textile Technology, Kumaraguru College of Technology, Coimbatore – 49.
3. Dr G. Rajkumar, Associate Professor, Department of Fashion Technology, Kumaraguru College of Technology, Coimbatore – 49. *(Special invitee- Faculty from allied department).*
4. Mr. Umesh M. V., Associate Professor, EIE, Kumaraguru College of Technology, Coimbatore – 49. *(Special invitee- Faculty from allied department).*
5. Mr Gokul Kumar K., Chief Technology Officer, FORGE Accelerator, Forge Factory, G- Floor, #3 Athipalayam Road, Coimbatore-641049. *(Special invitee).*
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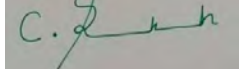
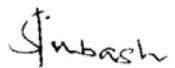



7. Dr R. Saminathan, Associate Professor, Textile Technology, Kumaraguru College of Technology, Coimbatore – 49. *(BoS Coordinator)*.
8. Dr S. Ariharasudhan, Assistant Professor III, Textile Technology, Kumaraguru College of Technology, Coimbatore – 49. *(DAB Coordinator)*.
9. Dr M. Dhinakaran, Sr. Associate Professor, Textile Technology, Kumaraguru College of Technology, Coimbatore – 49. *(Member)*
10. Dr S. Sundaresan, Associate Professor, Textile Technology, Kumaraguru College of Technology, Coimbatore – 49. *(Member)*
11. Dr P. Sivakumar, Assistant Professor III, Textile Technology, Kumaraguru College of Technology, Coimbatore – 49. *(Member)*
12. Dr P. Chandrasekaran, Assistant Professor II, Textile Technology, Kumaraguru College of Technology, Coimbatore – 49. *(Member)*
13. Dr M. Saravanan, Assistant Professor II, Textile Technology, Kumaraguru College of Technology, Coimbatore – 49. *(Member)*
14. Mr S. Natarajan, Assistant Professor II, Textile Technology, Kumaraguru College of Technology, Coimbatore – 49. *(Member)*
15. Mr P. Thangeswaran, Assistant Professor II, Textile Technology, Kumaraguru College of Technology, Coimbatore – 49. *(Member)*
16. Mrs R. Sukanya Devi, Assistant Professor II, Textile Technology, Kumaraguru College of Technology, Coimbatore – 49. *(Member)*

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Agenda

1. Welcome Address
2. MoM of Previous DAB/BoS and Action Taken
3. R18 curriculum updates – UG and PG
4. R23 Draft Curriculum presentation
5. Technical textile cluster formation proposal
6. New equipment recommendations 2023-24
7. Discussions on One credit, Value added Lab courses, etc.
8. QP panel approval
9. Vote of Thanks




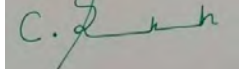
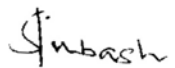



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Minutes of Meeting and Action Points




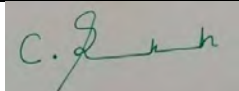
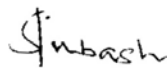
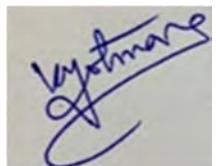


Codes A: Action C: Comment D: Decision R: Recommendation


Sl No	Code	Description & Discussion points
1	A	BoS Chairman welcomed the members to the 21 st BoS meeting and outlined the agenda. The latest DAB meeting minutes, and action taken report in response to the deliberations during the 20 th BoS meeting was highlighted.
2	A	As decided by KCT academic council, updating of R2018 by replacing Engineering Clinic V by Program Core Course (Protective Textiles, previously elective course) in 5 th semester from academic year 2023-24 was put forth. Two new one-credit courses, viz. Lean manufacturing and Cotton: From farm to industry were put forth. Two new professional electives, Polymer rheology and Surface modification o textiles were proposed for the MTM program for PhD course work. R2023 draft UG curriculum was presented. R2023 MTM (PG) curriculum will be presented in the next BoS.
3	R	<ul style="list-style-type: none"> Members appreciated the new one-credit courses. Include process and practices in Lean manufacturing syllabus. In case of Cotton: From farm to industry, the following suggestions were made – a] to structure the syllabus based on whether the course was offered

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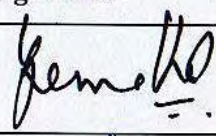
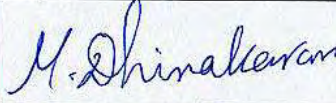
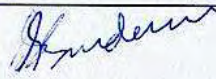


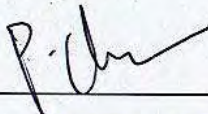

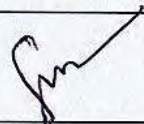
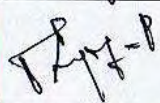

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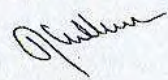
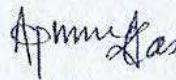

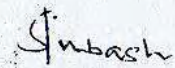
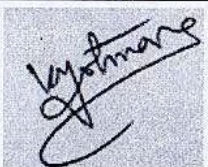


Sl No	Code	Description & Discussion points
		to students or industry participants. b] to delete content on ginning and focus on the rest. <ul style="list-style-type: none"> Incorporate NEP guidelines in R2023.
4	A	Formation of Technical Textile cluster focused on protective textiles and automotive textiles was proposed with the aim of obtaining funding from NTTM (national technical textile mission). Plan to start M. Tech Technical Textiles was put forth along with curriculum.
5	C	<ul style="list-style-type: none"> Members commended the efforts taken towards obtaining funding from NTTM. Starting of new M Tech Technical Textiles was approved by members. Suggest to train and recruit faculty for technical textile courses. Members suggested to broaden admission criteria for M. Tech Technical textiles so as to improve the intake. Need to identify employment opportunities for the graduates. Initiate innovative research in collaboration with the industry and defense sector.
6	A, D	The process of setting up of question paper was discussed and the same was approved by the members
7	R	Specialization of QP setters to be matched with subjects. Include more members from the same institution in order to have a large database.
8		Dr Saminathan R. <i>BoS Coordinator</i> proposed the vote of thanks to conclude the meeting.


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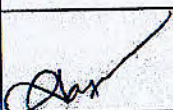
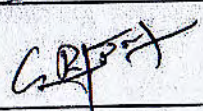
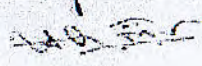
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Internal Panel Members present for 21st BoS meeting

Sl No	Name	Signature
1	Prof. A. Pavendhan	
2	Dr M. Dhinakaran	
3	Dr S. Sundaresan	
4	Dr R. Saminathan	
5	Dr P. Sivakumar	
6	Dr P. Chandrasekaran	
7	Dr S. Ariharasudhan	
8	Dr M. Saravanan	
9	Mr P. Thangeswaran	
10	Mrs R. Sukanya Devi	


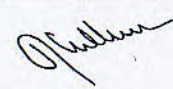
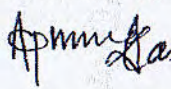
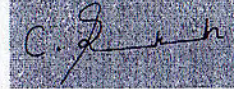
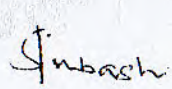
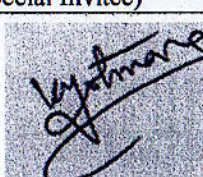


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Sl No	Name	Signature
11	Mr. S. Natarajam	
12	Dr. G. Rajkumar	
13	Mr Umesh M. V	

Members absent for the 21st BoS meeting

1. Mr. P. Kaleeswaran
2. Ms. R. Swathy.
3. Dr B. L. Lakshmi Meera
4. Mr Gokul Kumar K.

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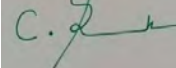
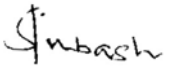
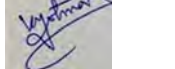
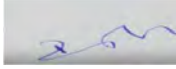

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Date: 06.07.2022	Time: 11AM – 1230 PM	Online	MS Teams: https://tinyurl.com/293557n9
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Participants of the meeting

External panel members:

1. **Dr. R. Neelakandan**, Professor, Department of Textile Technology, ACT Campus, Anna University, Chennai-600 025. *(Anna University Nominee)*
2. **Dr. Apurba Das**, Professor - Textile Technology, Indian Institute of Technology, Hauz Khas New Delhi -110016. *(Subject expert)*.
3. **Dr C. Prakash**, Director, Indian Institute of Handloom Technology Fulia, West Bengal *(Subject expert)*.
4. **Dr. A. Subash Babu**, Professor, Industrial Engineering & Operations Research, Department of Mechanical Engineering, IIT Bombay, Powai, Mumbai, 400076 *(Subject expert)*.
5. **Dr V. D. Gotmare**, Ex-Head Of the Department, Textile Manufacturing Department, Veermata Jijabai Technological Institute (VJTI) Matunga, Mumbai -400019 *(Special invitee)*.
6. **Mr. R. Senthil Kumar**, Manager - NPD and Marketing, Super Sales India Limited – Textile Division, 34A, Kamaraj Road, Coimbatore-18 *(Expert from industry)*.
7. **Mr R. Sathish Kumar**, Founder and Director, iExemplar Software India Limited, 3/E, II Floor, Brooke Bond Layout, Krishnaswamy Road, Coimbatore 641002. *(Expert from industry)*




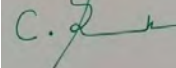
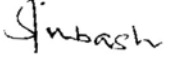
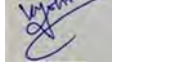
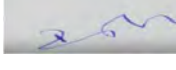

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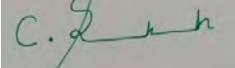
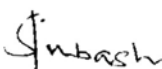

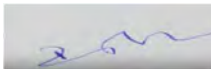
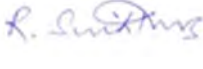
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8. Dr M. Dhinakaran, Sr. Associate Professor, Textile Technology, Kumaraguru College of Technology, Coimbatore – 49. *(Member)*
9. Dr S. Sundaresan, Associate Professor, Textile Technology, Kumaraguru College of Technology, Coimbatore – 49. *(Member)*
10. Dr P. Sivakumar, Assistant Professor III, Textile Technology, Kumaraguru College of Technology, Coimbatore – 49. *(Member)*
11. Dr P. Chandrasekaran, Assistant Professor II, Textile Technology, Kumaraguru College of Technology, Coimbatore – 49. *(Member)*
12. Dr M. Saravanan, Assistant Professor I, Textile Technology, Kumaraguru College of Technology, Coimbatore – 49. *(Member)*
13. Mr S. Natarajan, Assistant Professor II, Textile Technology, Kumaraguru College of Technology, Coimbatore – 49. *(Member)*
14. Mr P. Thangeswaran, Assistant Professor II, Textile Technology, Kumaraguru College of Technology, Coimbatore – 49. *(Member)*
15. Mrs R. Sukanya Devi, Assistant Professor I, Textile Technology, Kumaraguru College of Technology, Coimbatore – 49. *(Member)*




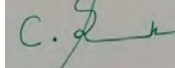
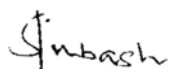
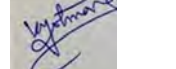
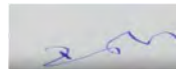

Agenda

1. Welcome Address
2. MoM of Previous DAB/BoS and Action Taken
3. R22 Curriculum and Syllabus Composition and Committee recommendations-UG and PG
4. Discussions on One credit, Value added Lab courses, Innovation in teaching and learning etc.

Dr V. Ramesh Babu (BoS Chairperson)	Dr R. Neelakandan (Anna University Nominee)	Dr Apurba Das (Subject Expert)	Dr C. Prakash (Subject expert)
			
Dr. A. Subash Babu (Subject Expert)	Dr V. D. Gotmare (Special Invitee)	Mr R. Senthil Kumar (expert from industry)	Mr R. Sathish Kumar (Expert from industry)
			

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5. Any other matter
6. QP panel approval
7. Vote of Thanks




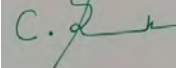
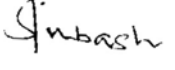
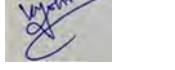
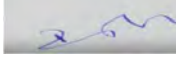

Dr V. Ramesh Babu (BoS Chairperson)	Dr R. Neelakandan (Anna University Nominee)	Dr Apurba Das (Subject Expert)	Dr C. Prakash (Subject expert)
			
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Minutes Of Meeting and Action Points




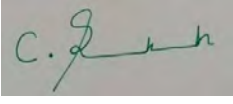
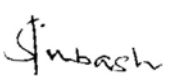
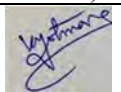

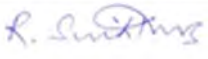
Codes A: Action C: Comment D: Decision R: Recommendation


Sl No	Code	Description & Discussion points
1	A	BoS Chairman welcomed the members to the 20 th BoS meeting and outlined the agenda. The latest DAB meeting minutes, and action taken report in response to the deliberations during the 19 th BoS meeting were highlighted.
2	A	The curriculum for the new regulation 2022 as per the norms stipulated by AICTE were presented in the meeting. As mandated by AICTE, addition of UHV – II 3 credit course to 4 th semester of R2018 curriculum was put forth. Two new professional elective courses, one on Fashion marketing management and another on Innovation practices for product development were put forth.
3	D, C	<ul style="list-style-type: none"> Members raised concern about the number of credits allocated to Open electives may be more than proposed in the regulation 2022. The same will be checked with AICTE modal and do the needful. Concern was raised regarding the availability of faculty for handling newly framed elective groups on Family Business and Entrepreneurship. The same was clarified that the faculty from the newly established Family Business Centre of KCT and MBA departments would be supplementing teaching faculty. Inclusion of UHV-II course to R 2018 was approved by the members. This increases the total credits to 161 from existing 158.

Dr V. Ramesh Babu (BoS Chairperson)	Dr R. Neelakandan (Anna University Nominee)	Dr Apurba Das (Subject Expert)	Dr C. Prakash (Subject expert)
			
Dr. A. Subash Babu (Subject Expert)	Dr V. D. Gotmare (Special Invitee)	Mr R. Senthil Kumar (expert from industry)	Mr R. Sathish Kumar (Expert from industry)
			




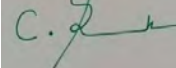
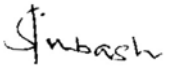
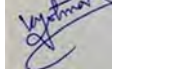
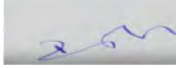

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Sl No	Code	Description & Discussion points
		<ul style="list-style-type: none"> Textile Fibres syllabus was reviewed by the committee who expressed concern about overlapping of topics on polymer chemistry. The Chemistry for textile syllabus was compared and the concern was cleared.
4	R	<ul style="list-style-type: none"> Members suggested to shift the Textile and Apparel Quality Evaluation (Theory and Laboratory) after offering Garment Manufacturing Technology course and maintain the logical sequence. Members suggested to include Zero liquid discharge processing in the Chemistry for textile syllabus in Water treatment unit. In fibre analytical laboratory, the experiment on fiber blend analysis to be included in the Textile and Apparel Quality Evaluation lab because the students would have no idea about blends during 3rd semester. Bamboo fibre production inclusion suggested by member, and it was clarified that it was covered under viscose processing in Textile Fibre subject but a mention would be made. Members approved and appreciated the overall curriculum structure from first to eight semesters.

Dr V. Ramesh Babu (BoS Chairperson)	Dr R. Neelakandan (Anna University Nominee)	Dr Apurba Das (Subject Expert)	Dr C. Prakash (Subject expert)
			
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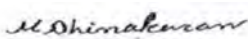



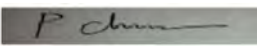


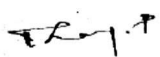


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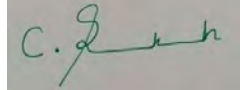
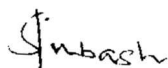
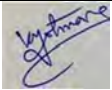
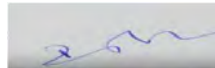

Sl No	Code	Description & Discussion points
5	A, D	The process of setting up of question paper was discussed and the same was approved by the members
6	A	The syllabus for Masters in Technology Management was presented.
7	D, R	<ul style="list-style-type: none"> • Suggestions were made to rename the Technology management elective module • To include courses on Sustainability in Manufacturing and services. • Dr.Umesh was requested to contact Dr,Subash Babu, Professor, IIT Mumbai for reframing the electives for MTM.
8		Dr Saminathan R. <i>BoS Coordinator</i> proposed the Vote of Thanks to conclude the meeting.

Dr V. Ramesh Babu (BoS Chairperson)	Dr R. Neelakandan (Anna University Nominee)	Dr Apurba Das (Subject Expert)	Dr C. Prakash (Subject expert)
			
Dr. A. Subash Babu (Subject Expert)	Dr V. D. Gotmare (Special Invitee)	Mr R. Senthil Kumar (expert from industry)	Mr R. Sathish Kumar (Expert from industry)
			


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Internal Panel Members present for 20th BoS meeting

Sl No	Name	Signature
1	Dr M. Dhinakaran	
2	Dr S. Sundaresan	
3	Dr R. Saminathan	
4	Dr P. Sivakumar	
5	Dr P. Chandrasekaran	
6	Dr S. Ariharasudhan	
7	Dr M. Saravanan	
8	Mr P. Thangeswaran	
9	Mrs R. Sukanya Devi	
10	Dr K. Prabu	




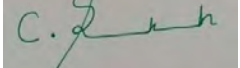


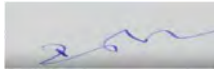

Dr V. Ramesh Babu (BoS Chairperson)	Dr R. Neelakandan (Anna University Nominee)	Dr Apurba Das (Subject Expert)	Dr C. Prakash (Subject expert)
			
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Sl No	Name	Signature
11	Mr Umesh M. V.	

Members absent for the 20th BoS meeting

1. Mr S. Natarajan
2. Mr. P. Kaleeswaran
3. Ms. R. Swathy.
4. Dr B. L. Lakshmi Meera
5. Mr Gokul Kumar K.

Dr V. Ramesh Babu (BoS Chairperson)	Dr R. Neelakandan (Anna University Nominee)	Dr Apurba Das (Subject Expert)	Dr C. Prakash (Subject expert)
			
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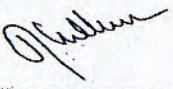
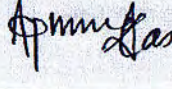

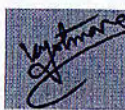


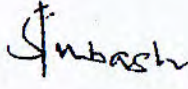
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Date:	15 th Dec 2021	Time:	11.00 AM to 12.30 PM	Online	MS Teams: https://tinyurl.com/bdd6rbn9
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Participants of the meeting

External Panel Members

1. Dr.R.Neelakandan, Associate Professor, Department of Textile Technology, ACT Campus, Anna University, Chennai-600 025 – (Anna university Nominee)
2. Dr. Apurba Das, Professor, Textile Technology, Indian Institute of Technology, Hauz Khas, New Delhi -110016- (Subject Expert)
3. Dr.C. Prakash, Director, Indian Institute of Handloom Technology, Fulia, West Bengal –(Subject Expert)
4. Dr.A.Subash Babu, Professor , Industrial Engineering & Operations Research, Department of Mechanical Engineering, IIT Bombay, Powai, Mumbai ,India, 400076 --(Subject Expert)
5. Dr.V.D.Gotmare, Ex-Head Of the Department, Textile Manufactures Department, Veermat jijabai Technological Institute (VJTI), Matunga, Mumbai -400019- (Special Invitee)
6. Mr. R.Senthil Kumar, Manager - NPD and Marketing, Super Sales India Limited – Textile Division, 34A, Kamaraj Road, Coimbatore-18- (Expert from Industry)


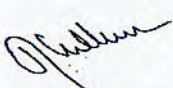
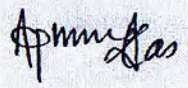

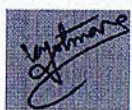

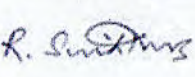
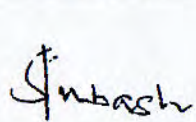
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7. Mr. R. Sathish Kumar, Founder and Director , iExemplar Software India Limited, 3/E, II Floor, Brooke Bond Layout, Krishnaswamy Road,Coimbatore, Tamilnadu - 641002. - (Expert from Industry)

Internal Panel Members

1. Dr.V.Ramesh Babu, Head of the Department, Associate Professor, Kumaraguru college of Technology /Coimbatore-49- (BOS Chair Person)
2. Dr. K.Prabu, Assistant Professor -II , Department of Fashion Technology, Kumaraguru College of Technology Coimbatore-641049 -(Faculty member from allied department - Special Invitee)
3. Mr.Umesh,M.V, Associate Professor, EIE, Kumaraguru College of Technology/ CBE- -(Faculty member from allied department - Special Invitee)
4. Dr.S.Sundaresan, Associate professor, Textile technology, Kumaraguru College of Technology, Coimbatore,- (BOS Coordinator)
5. Dr.S.Ariharasudhan, Assistant professor-II, Textile technology, Kumaraguru College of Technology, Coimbatore,- (DAB Coordinator)
6. Dr.M.Dhinakaran, Senior Associate professor, Textile technology, Kumaraguru College of Technology, Coimbatore,- (Member)
7. Dr.R.Saminathan, Associate professor, Textile technology, Kumaraguru College of Technology, Coimbatore,- (Member)
8. Dr.P.Sivakumar, Assistant Professor-III, Textile technology, Kumaraguru College of Technology, Coimbatore,- (Member)


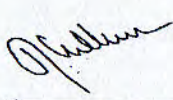
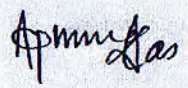

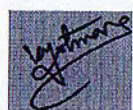


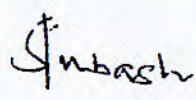
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9. Dr.P.Chandrasekaran, Assistant professor-II, Textile technology, Kumaraguru College of Technology, Coimbatore (*Member*)
10. Mr.P.Thangeswaran , Assistant professor-II, Textile technology, Kumaraguru College of Technology, Coimbatore (*Member*)
11. Mr.S.Natarajan, Assistant professor-II, Textile technology, Kumaraguru College of Technology, Coimbatore (*Member*)
12. Dr. M.Saravanan, Assistant professor-I, Textile technology, Kumaraguru College of Technology, Coimbatore (*Member*)
13. Mrs.R.Sukanyadevi, Assistant professor-I, Textile technology, Kumaraguru College of Technology, Coimbatore (*Member*)

Agenda:

1. Action Taken Report on Previous BoS Meeting
2. Introduction of New One Credit Courses / Programme Electives / Open Electives
3. Addition of New Lab Experiments in R2018 Courses
4. Stakeholder's feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
5. Targets for CO / PO for Academic Year 2021-22
6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22
7. Members Recommendations for Implementing NEP 2020

Dr.V.Ramesh Babu (BOS Chairperson)	Dr.R.Neelakandan (Anna University Nominee)	Dr. Apurba Das (Subject Expert)	Dr.C. Prakash (Subject Expert)
			
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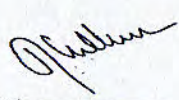
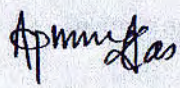

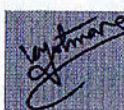


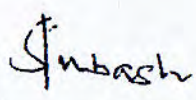
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8. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)
9. Members inputs towards up gradation of infrastructure /teaching aids to aid content delivery
10. Best Practices followed in (External) Member's Institutions
11. Minor specialization
12. Gap identification.
13. Input for curriculum development for the upcoming regulation syllabus
14. Any other matters (with the permission of Chairman, BoS)

MINUTES OF MEETING & ACTION POINTS


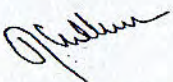
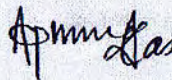




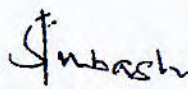
Codes: A: Action C: Comment D: Decision R: Recommendation


S.No	CODE	DESCRIPTION& DISCUSSION POINTS
1.		BOS Chairman welcomed the members and Presented Action Taken Report on Previous BoS Meeting. Also presented the recently held DAB meeting minutes.
2.	R,C	<u>Introduction of New One Credit Courses / Programme Electives / Open Electives</u> <ul style="list-style-type: none"> 4 New one credit courses and one professional elective course for UG -Textile Technology, Elective course for M.Tech-

Dr.V.Ramesh Babu (BOS Chairperson)	Dr.R.Neelakandan (Anna University Nominee)	Dr. Apurba Das (Subject Expert)	Dr.C. Prakash (Subject Expert)
			
Dr.V.D.Gotmare (Special Invitee)	Mr. R.Senthil Kumar (Industry Expert)	Mr. R. Sathish Kumar (Industry Expert)	Dr.A.Subash Babu (Subject Expert)
			


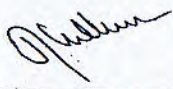
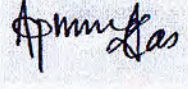




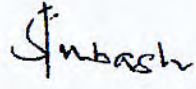
	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF Textile Technology 19th Board of Studies Meeting	Ref No.
		Prepared by: Dr. S.Sundaresan Issued by: Dr.V.Ramesh Babu, HOD/TXT Issue Date: 23 th Dec 2021
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S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		<p>Masters of Technology Management, and The out line curriculum for the proposed M.Tech- Technical Textiles course was presented to the BOS members.</p> <ul style="list-style-type: none"> Members suggests in Value stream mapping one credit course, the industry requirement can be included. Members suggested to modify the Content in “specialty nonwoven structures for technical applications” which is meant for one credit course. For the one credit course “Recycling in textiles” BOS members suggests that this course can be added as an elective or core course in the next regulation. Members suggest that one credit course, can be evaluated and if student completes 3 one credit courses, he/she can be exempted from one elective course and this suggestion can be considered while forming the next regulation. One credit course to avoid overlapping in the professional course and elective.
3.	D	<u>Addition of New Lab Experiments in R2018 Courses</u> No Addition of New Lab Experiments in R2018 Courses

Dr.V.Ramesh Babu (BOS Chairperson)	Dr.R.Neelakandan (Anna University Nominee)	Dr. Apurba Das (Subject Expert)	Dr.C. Prakash (Subject Expert)
			
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S.No	CODE	DESCRIPTION & DISCUSSION POINTS
4.	D	<u>Stakeholder's feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods</u> <p>Displayed the (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods to the BOS members and the members are satisfied.</p>
5.	D	<u>Targets for CO / PO for Academic Year 2021-22</u> <p>Discussed about the CO/PO attainment for the individual courses and the method adopted by the department to calculate the CO/PO attainment.</p>
6.	R	<u>Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22</u> <p>External members for QP setting and valuation, to have a good mix up of faculty from other universities.</p>
7.	D	<u>Members Recommendations for Implementing NEP 2020</u> <p>Members said that it will be discussed after the implementation of policy from the Government</p>
8.	C, R	<u>Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)</u>

Dr.V.Ramesh Babu (BOS Chairperson)	Dr.R.Neelakandan (Anna University Nominee)	Dr. Apurba Das (Subject Expert)	Dr.C. Prakash (Subject Expert)
			
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**KUMARAGURU COLLEGE OF
TECHNOLOGY**
DEPARTMENT OF Textile Technology
19th Board of Studies Meeting

Ref No.

Prepared by: Dr. S.Sundaresan
Issued by: Dr.V.Ramesh Babu,
HOD/TXT


Issue Date: 23th Dec 2021

MINUTES OF MEETING


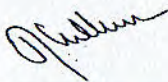
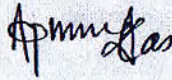




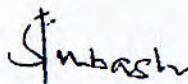
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S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		<ul style="list-style-type: none"> • Initiations to introduce new PG course M.Tech Technical Textile was welcomed by the expert members. • M.Tech Technology Management –for Textile elective list refer Anna University and IIT,M.Tech syllabus and restructure accordingly and opt for PhD Course work. • For research level, include mechanics, textile mathematics, chemistry of finishing etc. • Faculty for M.Tech Technical textiles to be concentrated. • Content of the syllabus for M.Tech Technical Textiles to be strengthened. • Need the help from committee members to identify the experts for framing syllabus
9.	D	<p><u>Members inputs towards up gradation of infrastructure /teaching aids to aid content delivery</u></p> <p>BOS chairman projected the latest lab equipment's that are recently added in the lab (Spray dryer, Impact tester). He also informed the BOS members that the spinning lab model open end spinning machine is installed which is sponsored by RIETER and it will be an industry sponsored lab facility. The BOS chairman said that the spectrophotometer is going to be installed shortly in Textile testing lab</p>

Dr.V.Ramesh Babu (BOS Chairperson)	Dr.R.Neelakandan (Anna University Nominee)	Dr. Apurba Das (Subject Expert)	Dr.C. Prakash (Subject Expert)
Dr.V.D.Gotmare (Special Invitee)	Mr. R.Senthil Kumar (Industry Expert)	Mr. R. Sathish Kumar (Industry Expert)	Dr.A.Subash Babu (Subject Expert)



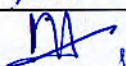
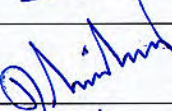
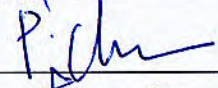
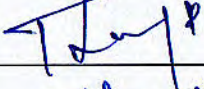
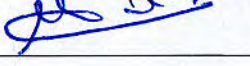
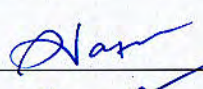
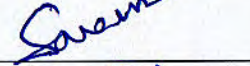
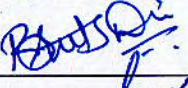
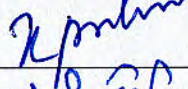

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF Textile Technology 19th Board of Studies Meeting	Ref No.
		Prepared by: Dr. S.Sundaresan Issued by: Dr.V.Ramesh Babu, HOD/TXT Issue Date: 23 th Dec 2021
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S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		and said that the further more lab equipment's will be purchased in a phased manner in the upcoming academic year.
10.	R	<u>Best Practices followed in (External) Member's Institutions</u> Suggestion from Dr.A.Subash Babu, Professor , IIT Bombay, that teachers can introduce new topics by offering one credit courses initially and develop them further into a 3 credit course either independently or jointly with other colleagues . Academic freedom for the faculty in the institution will be much helpful to bring the best effort for the welfare of students and the system.
11.	R	<u>Minor specialization Courses:</u> BOS members welcomed the introduction of minor specialization courses
12.		<u>Gap identification : NIL</u>
13.	R	<u>Input for curriculum development for the upcoming regulation syllabus</u> Members suggest that it will be discussed after framing the curriculum and syllabus. It can be presented in the next BOS meeting for detailed deliberations.
14.		Dr.S.Sundaresan , BOS Coordinator proposed vote of thanks and conclude the meeting.


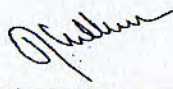
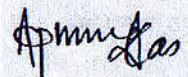




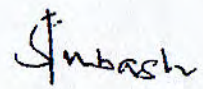
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Internal Panel Members present for 19th BOS meeting

S.No	Name	Signature
1	Dr.M.Dhinakaran	
2.	Dr.S.Sundaresan	
3.	Dr.R.Saminathan	
4.	Dr.P.Sivakumar	
5.	Dr.P.Chandrasekaran	
6.	Mr.P.Thangeswaran	
7.	Dr.S.Ariharasudhan	
8.	Mr.S.Natarajan	
9.	Dr.M.Saravanan	
10.	Mrs.R.Sukanyadevi	
11.	Dr.K.Prabu	
12.	Mr.Umesh.M.V	

Members Absent for the 19th BOS

Dr.V.Ramesh Babu (BOS Chairperson)	Dr.R.Neelakandan (Anna University Nominee)	Dr. Apurba Das (Subject Expert)	Dr.C. Prakash (Subject Expert)
			
Dr.V.D.Gotmare (Special Invitee)	Mr. R.Senthil Kumar (Industry Expert)	Mr. R. Sathish Kumar (Industry Expert)	Dr.A.Subash Babu (Subject Expert)
			

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S.No	Name
1.	Mr. P Kaleeswaran (Alumni Member with PG qualification)
2.	R. Swathy (Alumni Member with PG qualification)
3.	Mr.Gokul Kumar. K (Special Invitee)
4.	Dr. B.L.Lakshmi Meera ((Special Invitee)


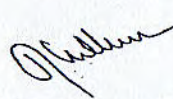
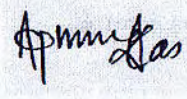



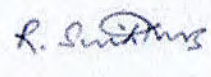
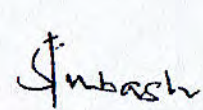


Dr.V.Ramesh Babu,

BOS Chairman

HOD/TEXTILE TECHNOLOGY

Dr.V.RAMESH BABU, M.S.Ph.D.,
Associate Professor & Head
Department of Textile Technology
Kumaraguru College of Technology
Coimbatore - 641 049. Tamil Nadu

Dr.V.Ramesh Babu (BOS Chairperson)	Dr.R.Neelakandan (Anna University Nominee)	Dr. Apurba Das (Subject Expert)	Dr.C. Prakash (Subject Expert)
			
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MINUTES OF BOARD OF STUDIES MEETING

Department: Textile Technology

Program: B.Tech

Venue: MS team

Date: 05.06.2021

Time: 11.00 AM TO 12.30 PM

1. Action Taken Report on Previous BoS Meeting

Welcome note and introduction of members by chairperson

Dr. V.Ramesh Babu , Head & Assoc. Prof , Chairman -BOS -Textile Technology welcomed the panel members.

- Give a note on agenda.
- Presented the department vision and mission, PEO and PSO to the panel members.
- Discussed the department advisory board minutes to the members.
- Presented the previous BOS minutes (17th BOS) and the action taken report.

2. Introduction of New One Credit Courses / Programme Electives / Open Electives

- BOS panel members welcome the idea of introducing one credit courses to be taken by industry persons. Members suggested that the one credit courses can also be handled by academic experts.
- Members suggested to reframe the syllabus for the one credit course “Weft Knitted Fabric Analysis and Calculations”.
- Also suggested that the one credit courses can be offered to students in self-study mode.
- Members insisted that the one credit course content should not repeat or overlap the regular course syllabus content.
- Members suggested to prepare the list of industry experts and academicians for handling one credit courses and suggested not to fix any syllabus for the

same. That may be open and based on the experts experience the content may be specified at the time of offering the course to the students.

- BOS members satisfied with the syllabus presented for new elective courses that included in R18 for 2021 batch curriculum and syllabus.

3. Addition of New Lab Experiments in R2018 Courses

- Members suggested to procure some new equipment's which is listed in point No.9 based on that the new lab experiments may be added in R-2022.

4. Stakeholder's feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching/ Learning/ Assessment Methods

Members Suggested some critical thinking sort of questions to be addressed in the assessments.

5.Targets for CO / PO for Academic Year 2021-22

Members suggests that the target for CO for the academic year 2021-22 can be fixed in a higher level compared to the previous academic year.

6.Approval of Panel of Examiners for QP Setting/ Lab Exams for AY 2021-22

The BOS members approve the existing practices followed in the panel of examiners for QP Setting / Lab Exams and suggests continuing the same practices for the academic year 2021-22 also.

7.Members Recommendations for Implementing NEP 2020

Regarding the NEP members said that it is too early to discuss the NEP, since there are no specific guidelines received from the Government.

8.Member's deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

Course on professional ethics can be included in the curriculum.

9.Members inputs towards up gradation of infrastructure /teaching aids to aid content delivery

- For composite testing, Impact tester can be included in the Technical textiles testing lab.
- Coating/Curing machine can be made available in Technical textiles testing lab.
- Freeze drying/ Microencapsulation facility can be included in Technical textiles testing lab.

10. Best Practices followed in (External) Member's Institutions

Members suggested to include critical thinking part can be included in question paper. Also, open book type exam also can be practised. Multi-disciplinary approach in open elective should be practiced.

11. Any other matters (with the permission of Chairman, BoS)

Nil



MINUTES OF BOARD OF STUDIES MEETING

Department: Textile Technology **Program:** M.Tech Master of Technology Management

Venue: MS team

Date: 05.06.2021

Time: 11.00 AM TO 12.30 PM

1. Conduct of MSME practicum through online mode (for the batch 2020-22)
2. Global national immersion course meant for 6 credits compensated with two 3 credits (for the batch 2020-22)
3. For the student of 2021-23 batch new syllabus and curriculum presented
4. New embedded and theory courses in elective mode introduced in 2021-23 batch Curriculum and syllabus
5. Members welcome the idea of regrouping of electives in curriculum and syllabus meant for the student 2021-23 batch.
6. Members suggested to reframe the curriculum and syllabus for R-2022 little bit lighter form so that all the discipline students can take the course without any difficulty. Hence the following points to be taken into considerations while framing the curriculum and syllabus for R-2022.
 - Members feel that the elective subjects offered is of more Computer and IT based, which will be difficult for the other student joined in the course other than CSE and IT discipline
 - The syllabus to be framed according to PO/PEO /PSO
 - PO to be revised as suggested by NBA for PG courses. Mapping of CO to be revised.



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18th Board of studies Meeting

Department: Textile Technology


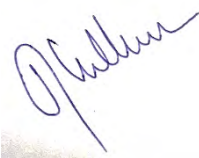

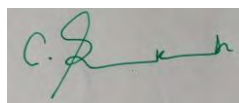
Program: B. Tech: Textile Technology, M. Tech: Master of Technology Management

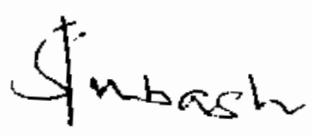
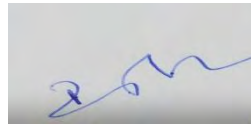

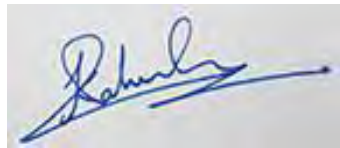
Venue: Virtual Mode: MS-TEAMS




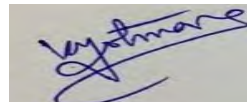
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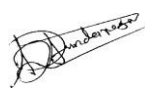
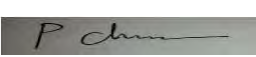
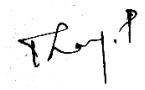



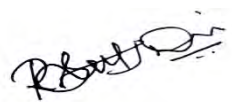

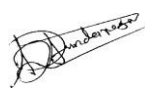
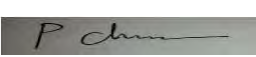
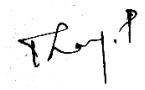



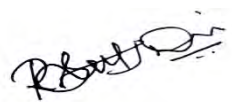

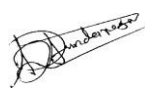
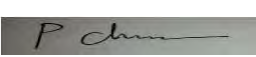
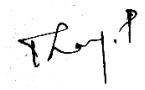



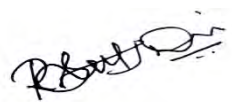
Time: 11.00 Am to 12.30 Pm

BoS Members Signature

S.No	Name	Designation as per UGC	E-Signature
1	Dr.V.Ramesh Babu Head, Dept of Textile Technology	Chairman-BoS	
2	Dr.R.Neelakandan Associate Professor, Department of Textile Technology, ACT Campus, Anna University, Chennai-600 025	Anna University Nominee	
3	Dr.Apurba Das Professor Textile Technology, Indian Institute of Technology, Hauz Khas New Delhi -110016	Subject Expert	
4	Dr.C.Prakash Director, Indian Institute of Handloom Technology Fulia, West Bengal	Subject Expert	

S.No	Name	Designation as per UGC	E-Signature
5	Dr.A.Subash Babu Professor, Industrial Engineering & Operations Research Department of Mechanical Engineering IIT Bombay, Powai, Mumbai, India, 400076	Subject Expert	
6	Mr. R.Senthil Kumar Manager – NPD and Marketing Super Sales India Limited – Textile Division, 34A, Kamaraj Road, Coimbatore-18	Expert from Industry	
7	Mr. R. Sathish Kumar Founder and Director iExemplar Software India Limited, 3/E, II Floor, Brooke Bond Layout, Krishnaswamy Road, Coimbatore, Tamilnadu – 641002	Expert from Industry	
8	Mr. P Kaleeswaran Deputy Manager- Business Excellence, Zen Linen International PVT ltd 935, South Neem Boulevard, Sector- 42, Sri City SEZ, Satyavedu Mandal, Chittor District, Andhra Pradesh- 517588, India	Alumni Member with PG qualification	
9	R. Swathy Data Associate Amazon Development centre (India) Private Limited, Chennai.	Alumni Member with PG qualification	Absent

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10	Dr. K.Prabhu Assistant Professor -II Department of Fashion Technology Kumaraguru College of Technology Coimbatore-641049	Faculty member from allied department - Special Invitee	
11	Dr.P.Nalini Assistant professor - MBA Kumaraguru College of Technology/ CBE	Faculty member from allied department - Special Invitee	
12	Gokul Kumar. K Chief Technology Officer FORGE Accelerator, Forge Factory, G- Floor, #3 Athipalayam road, Chinnavedampatti, Coimbatore-641049.	Special Invitee	
13	Dr. B.L.Lakshmi Meera Program Director FORGE Accelerator, Forge Factory, G- Floor, #3 Athipalayam road, Chinnavedampatti, Coimbatore-641049.	Special Invitee	Absent
14	Dr.V.D.Gotmare Ex-Head Of the Department, Textile Manufactures Department, Veermata Jijabai Technological Institute (VJTI) Matunga, Mumbai - 400019	Special Invitee	

S.No	Name	Designation as per UGC	E-Signature																				
15	Final Year Students 1. T.Tharani 17BTT052 Ph: 9087713233 Mail Id : tharani.17tt@kct.ac.in 2.S.L. Jhakan Prashad 17BTT001 Ph: 9487622085 Mail Id: jhakan.17tt@kct.ac.in	Special Invitee																					
16	Dept. Faculty Members	<table><tr><th>Name</th><th>E- Signature</th></tr><tr><td>1.Dr.M.Dhinakaran</td><td></td></tr><tr><td>2.Dr.S.Sundaresan</td><td></td></tr><tr><td>3.Dr.P.Sivakumar</td><td>Absent</td></tr><tr><td>4.Mr.P.Chandrasekaran</td><td></td></tr><tr><td>5. Mr.P.Thangeswarn</td><td></td></tr><tr><td>6. Dr.S.Ariharasudhan</td><td></td></tr><tr><td>7.Mr.S.Natarajan</td><td></td></tr><tr><td>8.Dr.M.Saravanan</td><td></td></tr><tr><td>9.Mrs.R.Sukanyadevi</td><td></td></tr></table>		Name	E- Signature	1.Dr.M.Dhinakaran		2.Dr.S.Sundaresan		3.Dr.P.Sivakumar	Absent	4.Mr.P.Chandrasekaran		5. Mr.P.Thangeswarn		6. Dr.S.Ariharasudhan		7.Mr.S.Natarajan		8.Dr.M.Saravanan		9.Mrs.R.Sukanyadevi	
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7.Mr.S.Natarajan																							
8.Dr.M.Saravanan																							
9.Mrs.R.Sukanyadevi																							



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17th Board of studies Meeting

Department: Textile Technology

Program: B. Tech: Textile Technology, M. Tech: Master of Technology Management

Venue: Virtual Mode: MS-TEAMS

Date: 24.11.2020

Time: 10.30 Am to 12.30 Pm

AGENDA

1. Welcome and introduction of members by chairperson.

Dr.V. Ramesh Babu/HOD/Textile Technology.

2. Presentation of DAB (Department Advisory Board) proceedings and action taken report.

3. Presentation of previous BOS minutes and action taken report.

4. Presentation and deliberation on curriculum and syllabus.

a) R18 -UG- B. Tech- Textile Technology – V to VIII semester core courses and electives.

b) R18- PG- M. Tech- Masters of Technology Management- I to IV semester core courses and electives.

5. Deliberation on beyond class / syllabus regarding knowledge and/or skill updation.

6. Identifying area for faculty and support faculty training.

7. Suggesting augmentation of infrastructure - laboratory equipment / software purchase.

8. Concluding remarks by Chairperson.



MINUTES OF BOARD OF STUDIES MEETING

Department: Textile Technology

Program: B.Tech

Venue: MS team

Date: 24.11.2020

Time: 10.30 AM TO 12.30 P M

1. Welcome note and introduction of members by chairperson

Dr. V.Ramesh Babu , Head & Assoc. Prof , chairman -BOS -Textile Technology welcomed the panel members.

- Give a note on agenda.
- Presented the department vision and mission, PEO and PSO to the panel members.
- Discussed the department advisory board minutes to the members.
- Presented the previous BOS minutes (16th BOS) and the action taken report.

2. Curriculum - balance of courses as per domain, pre-requisites

BOS panel members satisfied with the curriculum presented for R18 (V semester to VIII semester) with respect to domain and prerequisites.

3. Syllabus - updation and relevance to industrial, career requirement

Suggestions by Members:

1. In the course U18TXT5002/Textile and Apparel Quality Evaluation list of tests to be done for knitted fabric, woven fabric and nonwovens can be included.
2. Suggestion given that the course U18TXI6201/Garment Manufacturing Technology which is offered in VI semester can be shifted to V semester and the course U18TXT5002/Textile and Apparel Quality Evaluation which is offered in V semester can be shifted to VI semester.
3. In the course U18TXP5506 /Textile and Apparel Quality Evaluation Lab, the grouping of experiment to be changed. Interpretation of results to be added in lab manual.
4. In the course U18TXI6201/Garment Manufacturing Technology, unit II to be rearranged in such a way that marker planning, requirements and methods, marker efficiency, advantages of computer aided marker planning should come after Spreading.
5. In the course U18TXI6201/Garment Manufacturing Technology 3D body scanning topic can be included.
6. In the course U18TXT7003/Textile mill management, present Government schemes to be included.

7. The course U18TXP7505 /Product Development and Characterization Lab can be renamed as Testing of Technical Textiles lab.

8. In the elective course U18TXE0002/High Performance fibers in first unit different spinning system can be included.

9. Anti-microbial testing concepts can be included in the course U18TXE0012/Bio polymers and medical textiles.

10.Sustainability in textile manufacturing and material can be introduced in elective course.

11. Testing of functional and technical textiles course may be introduced in elective course.

12. Branding and retail management course can be introduced as one credit course.

4. Course Delivery - Mode and effectiveness

Members appreciated the course delivery mode and it effectiveness

5. Course Assessment - - Mode and effectiveness,

Course assessment method has been displayed and the members approved the present mode of course assessment practised.

6. Infra requirement, upgradation

No suggestions given by members on infra requirement, upgradation.

7. Student's knowledge and skill development

No suggestions given by members on student's knowledge and skill development.

whether points incorporated or not. If not, reason

8. Faculty and support faculty development / training

Members appreciated the initiation and practise by department towards Faculty and support faculty development / training

9. Faculty qualification/ specialisation - recommendation

No suggestions given by members on faculty qualification/ specialisation



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MINUTES OF BOARD OF STUDIES MEETING

Department: Textile Technology Program: M.Tech Master of Technology Management

Venue: MS team

Date: 24.11.2020

Time: 10.30 AM TO 12.30 P M

Suggestions by members

- Electives offered under textile technology can focus on digital transformation and its intervention in the textile Industry.
- One course can be mandatorily offered as practical course in semester 1
- Curriculum is well designed and a good amount of focus is given on changing technology needs.
- Suggested to look for the Possibilities to group few courses under electives. Hence the students will get the opportunity to specialise in specific areas.
- Suggestion was given to explore the possibilities of industry sponsored students to take up this course.



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17th Board of studies Meeting

Department: Textile Technology

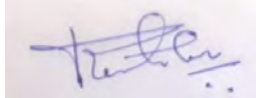


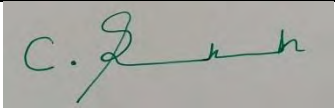
Program: B. Tech: Textile Technology, M. Tech: Master of Technology Management

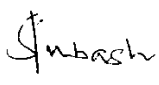
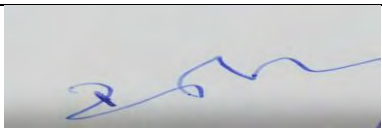




Venue: Virtual Mode: MS-TEAMS

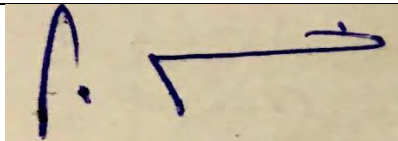


Date: 24.11.2020

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BoS Members Signature

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13	Dr. B.L.Lakshmi Meera Program Director FORGE Accelerator, Forge Factory, G- Floor, #3 Athipalayam road, Chinnavedampatti, Coimbatore-641049.	Special Invitee	
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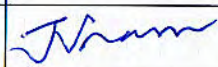


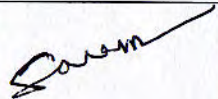
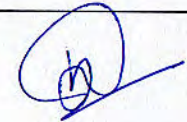

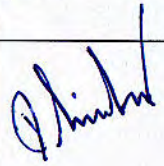
Kumaraguru College of Technology, Coimbatore-641 049
Office of the Coordinator Autonomous

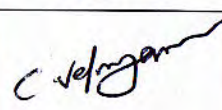
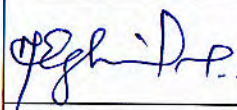

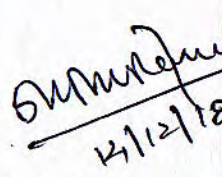

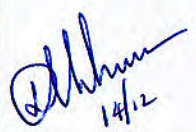
Name of the Department: Textile Technology

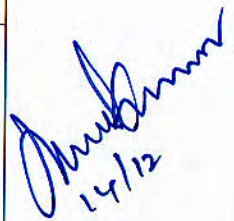
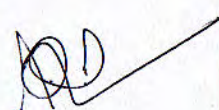
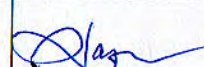


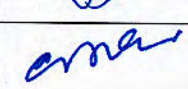
Date: 14.12.2018

16th Board of Studies –B.Tech. Textile Technology

Attendance Sheet

Sl. No.	Details of Expert	Signature
1	Name of the University Nominee Dr.G.Thilagavathi Professor & Head Department of Textile Technology PSG College of Technology Coimbatore -641004 Pho: 9894769906 Email: thi@txt.psgtech.ac.in	
2	Dr.J. Srinivasan Head of the Dept(Chairman-BOS)	
3	Name of the teaching faculty from each specialization (one for each specialization). Name with specialization	
	1. Mr.P.chandrasekaran Textile Chemical Processing	
	2. Dr.V.Ramesh babu- Garment Technology	
	3. Mr.M.Saravanan-Technical Textiles	
	4. Dr.M.Dhinakaran – Spinning	
	5. Mr.S.Ariharasudhan- Weaving	
	6. Mr.P.Sivakumar- Fiber Science	

Sl. No.	Details of Expert	Signature
	7. Dr. C. Velmurugan – Prof. Mechanical	
	8. Dr.Ezhilarasi- Prof. EIE	
	Name of the expert nominated by Academic Council(outside the college)	
	Dr. B.K Behera Professor and Head Department of Textile Technology Indian Institute of Technology Delhi HauzKhas, New Delhi 110016 bijoy.behera@yahoo.com Tel.91-11-26592424 Fax. 91-11-26562503	
4	Prof. Ravindra V. Adivarekar Professor- Head Fibres& Textile Processing Technology Institute of Chemical Technology Nathalal Parekh Marg, Matunga, Mumbai – 400019 Ph: +91-22-33611111/Ext.No. : 2801 Email ID : rv.adivarekar@ictmumbai.edu.in	
5	Name of the representative from Industry/corporate sector/allied area relating to placement Mr.P.Karnan Deputy Manager – Sales Business Group Machines & Systems Rieter Machines & Systems ,Coimbatore Pho: 9787725232 Email: karnan.palanisamy@rieter.com	
6	Meritorious alumni nominated by Principal Mr.D.U. Hariharan Executive Director Sterling Marketing Coimbatore Mob: 7810935666 Email: hariharanmp09@gmail.com	

Sl. No.	Details of Expert	Signature
7(a)	Co-opt member(expert from outside the college whenever special courses of studies are to be formulated) Name with designation 1.Mr. K.T.Munikumar Olam Agro India Pvt Ltd No 12 , Ranganathapuram St , St no 3 , Uppilipalayam (po) , Coimbatore ,Tamil Nadu Pho: 97863 45535 Email: ktmunikumar@gmail.com	 14/12
	2. Mr. Raaja Vignesh Joint Managing Director, Bagavathi Exports (P) Ltd Tirupur. Pho: 9952233334 Email :raajavigneshramalingam@gmail	- Absent -
7(b)	Other members of staff of the same department (atleast 5 years teaching experience) Dr.S.Sundaresan	
	Mr.S.Natarajan	
	Mrs.R.Sukanyadevi	
7(c)	DOA /Head Autonomous/ COE	
	Dr.Vinohar Stephen Raphel	
	Dr.C.S.Senthil Kumar	

Sl. No.	Details of Expert	Signature
	Dr.J.Vijayaprakash / <i>COE</i>	<i>[Signature]</i>

[Signature]

Signature
HOD / Chairman-BOS

KUMARAGURU COLLEGE OF TECHNOLOGY, COIMBATORE

Department of Textile Technology

16th Board of Studies Meeting held on 14.12.2018

Programme: B. Tech- Textile Technology

Minutes of the Meeting

Modifications & Suggestions for R 2017 & R 2018 Regulations

1. A suggestion that all the basic courses in textiles such as Spinning, Weaving and Chemical Processing can be introduced in II year itself in parallel in a Semester.
2. Mathematics qualified Computer Science faculty members might be appropriate to handle Numerical Methods course.
3. Computer Applications in Textiles (CAT) course offered in III Semester in R2017 is too early to study and thus can be moved to electives in R 2018. The syllabus of this course can be modified to combine Computer Applications in Textiles (CAT), Computer Aided Design (CAD) and Color measurement topics.
4. A Course definition is to be given for Engineering Clinics including Course Outcomes (COs) and Syllabus.
5. Woven Fabric structure and Design offered in V semester and Mechanics of Textile Machinery offered in IV semester to be mutually interchanged and moved to IV & V semesters respectively.
6. Textile Pretreatment & Dyeing Technology, Textile Pretreatment & Dyeing Lab and Textile Printing & Finishing Technology courses offered in V & VI Semesters to be renamed as Textile Chemical Processing I, Textile Chemical Processing – I Lab and Textile Chemical Processing II respectively.
7. Fabric Manufacturing Technology I, Fabric Manufacturing Technology-I Lab and Fabric Manufacturing Technology-II to be renamed as Fabric Manufacture-I, Fabric Manufacture -I Lab and Fabric Manufacture- II respectively. Both Fabric Manufacture I & Fabric Manufacture-I Lab courses offered in IV Semester and Fabric Manufacture -II offered in V semester in R2017 to be moved to III & IV semesters respectively in R 2018..
8. The syllabus content of Fabric Manufacture- II course to be modified combining the syllabi of both Shuttleless Weaving and Non-woven Technology courses. Knitting Technology to be offered as a professional core in V semester instead of Non-woven Technology course.
9. Textile & Apparel Quality Evaluation and Textile & Apparel Quality Evaluation Lab courses offered in VI semester in R2017 to be moved to V semester in R 2018
10. Process Control in Spinning and Weaving to be offered as a professional core in semester VII for R 2017 and in semester VI for R 2018. Industrial Engineering for Textile and Apparel Industry to be moved from professional core to electives.
11. Textile & Apparel Costing to be offered as a professional core in Semester VII in R 2017 instead of Textile Mill management course which in turn can be shifted to electives. In R

2018, both the courses viz. Textile & Apparel Costing and Textile mill management to be offered as professional core in VII semester.

11. Technical Textiles Lab. offered in VII semester to be renamed as Product Development and Characterization Lab.

12. Clothing Science course to be introduced and included in electives.

13. Garment wet processing offered as an elective course to be renamed as Garment Processing.

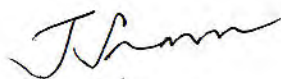
14. The following elective courses to be renamed as suggested and their syllabus contents to be suitably modified.

(i) Manufacture of specialty fabrics as Manufacture of specialty yarns and fabrics.

(ii) Nanotechnology in Textiles as Nano and Smart Materials in Textiles.

(iii) Medical Textiles as Biopolymers and Medical Textiles.

15. Professional elective -IV for 3 credits to be offered in VIII semester and the 12 credits given for Engineering Project-Phase II can be reduced to 9 credits.



Dr. J. SRINIVASAN
B.Tech., M.Tech., Ph.D., FIE., MISTE., MIIIE.,
Professor & Head
Department of Textile Technology
Kumaraguru College of Technology
Coimbatore - 641 049

Kumaraguru College of Technology, Coimbatore-641 049
DEPARTMENT OF TEXTILE TECHNOLOGY

15th Board of Studies (Supplementary) Meeting

UG Programme- B.Tech. Textile Technology

Minutes of Meeting

03-04-2018

The Board of Studies Meeting for Textile Technology (UG) was conducted on 3.4.2018 at 10.00 AM in the conference hall (A-Block) to conduct the following Business

Agenda: Approval of Curriculum and Syllabus for B.Tech. Textile Technology

1. R17 Curriculum- 1st to 8th Semester
2. R17 Syllabi for 3rd & 4th Semester
3. R18 Curriculum 1st to 8th Semester
4. R18 Syllabi for 1st & 2nd Semester .

Members Present

1. Chairman-BOS

Dr.J.Srinivasan

2. Subject Expert

1. **Dr.Bhaarathi Dhurai-** Textile Chemical Processing
2. **Dr.V.Ramesh babu-** Garment Technology
3. **Mr.M.Saravanan-**Technical Textiles
4. **Dr.M.Dhinakaran** - Spinning
5. **M.S.Ariharasudhan-** Weaving
6. **Mr.P.Sivakumar-** Fiber Science
7. **Dr. C. Velmurugan** - Prof. Mechanical
8. **Dr.Ezhilarasi-** Prof. EIE
9. **Mr.Vinohar Stephen Rapheal** - Dept. of Academics

3. Academic Council Nominee

Prof. Ravindra V. Adivarekar , Institute of Chemical Technology

4. Industry representative

Mr.P.Karnan, Deputy Manager – Sales, Rieter Machines & Systems
(Special Invitee in place of Mr.Chandrasekarabharathy)

5. Co-opt members

Mr.K.T.Munikumar ,Olam Agro India Pvt Ltd
Mr. Vignesh Dhanabalan, SITRA

6. Members of staff

Dr. S.Kathirvelu

Prof/TXT

Dr.S.Sundaresan
Dr.L.Sasikala
Dr.K.Thangamani

AP(SRG)/TXT
AP/TXT
Prof/TXT

9. DCOE/ Coordinator Autonomous
Dr.J.Vijayaprakash

Members not Present

Academic Council Nominee
Dr. B.K Behera ,

Indian Institute of Technology , Delhi

University Nominee
Dr.G.Thilagavathi

PSG College of Technology, Coimbatore

Resolutions passed

1. The presented curriculum for R17 & R18 1st to 8th Semester Curriculum and syllabi for 3rd & 4th Semester - Regulations 2017 & syllabi for 1st & 2nd Semester Regulations 2018 were approved and passed with the following recommendations.

Recommendations of the members

Recommendations of the members

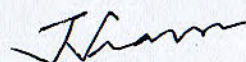
S.No.	Components	Introduced/Changes/Modifications etc.,																		
1.	New courses introduced	Measurements and Instrumentation																		
2.	Common Courses introduced	Engineering Clinics																		
3.	Major Revision Introduced	-																		
4.	New concepts on Industry Interaction/practical learning Introduced	Engineering Clinics																		
5.	Changes in credits from earlier curriculum	Increased from 162 to 165 in R17 Curriculum 156 in R18 Curriculum																		
6.	Area of focus of the syllabus: Industry oriented/Research Oriented/Higher studies oriented	Industry oriented -35% Research Oriented- 30% Higher Studies Oriented- 35%																		
7.	Proportion of Subjects Science/Problematic/Engineering	<table><tr><th>Specialization</th><th>Total Credits (165)</th><th>Total Credits (156)</th></tr><tr><td></td><th>R17</th><th>R18</th></tr><tr><td>Humanity Sciences</td><td>14</td><td>11</td></tr><tr><td>Basic Sciences</td><td>27</td><td>24</td></tr><tr><td>Engineering Sciences</td><td>23</td><td>23</td></tr><tr><td>Professional Core</td><td>60</td><td>62</td></tr></table>	Specialization	Total Credits (165)	Total Credits (156)		R17	R18	Humanity Sciences	14	11	Basic Sciences	27	24	Engineering Sciences	23	23	Professional Core	60	62
Specialization	Total Credits (165)	Total Credits (156)																		
	R17	R18																		
Humanity Sciences	14	11																		
Basic Sciences	27	24																		
Engineering Sciences	23	23																		
Professional Core	60	62																		

		Professional Electives	12	12
		Open Electives	06	06
		eRIDE	08	03
		Project	15	15
		Mandatory Noncredit Courses	6 Nos.	6 Nos.
8.	Concept/basis of grouping the elective	Professional Elective I- Fibers <u>Electives for PE II, III & IV</u> Professional Elective Track 1- Spinning & Weaving Professional Elective Track 2- Chemical Processing & Garment Technology Professional Elective Track 3 - Technical Textiles Professional Elective Track 4- Management & Entrepreneurship		
9.	Changes introduced in the reference book details	Reference books updated		
10.	Inter department courses introduced modified in the teaching scheme	Open electives are offered for other department 1. Natural Dyes in Food and Medicine 2. Export Management and Documentation		
11.	Innovative teaching aids and methods	Cut model explanation Seminar Mind mapping Multimedia		
12.	Courses/concepts introduced for enhancing leadership quality, ethical value, society concern, environmental issues, health value etc.,	Essence of Indian Traditional Knowledge, Indian Constitution		

Others

- The following courses can be mapped in common for both Textile and Fashion Technology.
 - Fabric Structure & Design
 - Industrial Engineering for Textile & Apparel Industries
 - Textile & Apparel Quality Evaluation Theory & Laboratory.
- Professional Elective I (PE I) can be chosen from Fibers Group and PE II, III & IV can be chosen from PE Track 1 to 4.
- The following changes may be made in Professional Elective courses.
 - Sustainable/ Recycle Textiles, Nonconventional fibers may be included in Track 1.
 - Theory of Drafting & Structural Mechanics of yarn and fabrics subjects may be removed from Track 2, as they have more of PG theory component.

- iii. ERP in Spinning, Project Management in Spinning & Weaving which includes Modernization of Spinning & Textile Costing, Energy Conservation in Spinning and Weaving, Environmental Aspects/ Social Compliance in Spinning & Weaving, may be included in Track 2- Spinning & Weaving.
 - iv. Merchandising & Costing of Apparels, Theory of Dyeing, Pollution Control in Textile & Apparel industries may be included in Track 3.
 - v. Smart Textiles, Geo & Agro Textiles, Mobiltech may be included in Track 4.
4. In Textile Mill Management Subject, Financial Management topic may be included.



Chairman (BOS)/HOD-Textile

Kumaraguru College of Technology, Coimbatore-641 049
Office of the Coordinator Autonomous

Name of the Department: Textile Technology

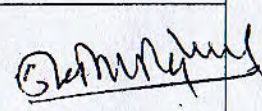
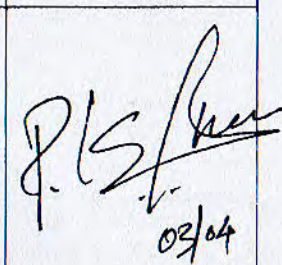

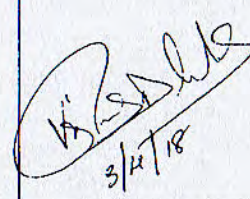
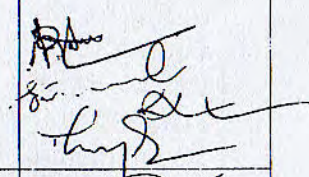
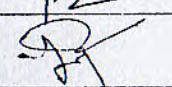
Date: 03.04.2018

15th Board of Studies –B.Tech. Textile Technology

SUPPLEMENTARY MEETING

Attendance Sheet

Sl. No.	Details of Expert	Signature
01	Name of the University Nominee Dr.G.Thilagavathi Professor & Head Department of Textile Technology PSG College of Technology Coimbatore -641004 Pho: 9894769906 Email: thi@txt.psgtech.ac.in	ABSENT
02	Dr.J. Srinivasan Head of the Dept(Chairman-BOS)	[Signature]
03	Name of the teaching faculty from each specialization (one for each specialization). Name with specialization 1. Dr.Bhaarathi Dhurai- Textile Chemical Processing 2. Dr.V.Ramesh babu- Garment Technology 3. Mr.M.Saravanam-Technical Textiles 4. Dr.M.Dhinakaran - Spinning 5. M.S.Ariharasudhan- Weaving 6. Mr.P.Sivakumar- Fiber Science 7. Dr. C. Velmurugan – Prof. Mechanical 8. Dr.Ezhilarasi- Prof. EIE 9. Mr.Vinohar Stephen- Dept. of Academics	[Signatures] C. velmurugan
04	Name of the expert nominated by Academic Council(outside the college) Dr. B.K Behera Professor and Head Department of Textile Technology Indian Institute of Technology Delhi HauzKhas, New Delhi 110016 bijoy.behera@yahoo.com Tel.91-11-26592424 Fax. 91-11-26562503 Prof. Ravindra V. Adivarekar Professor- Head Fibres& Textile Processing Technology	ABSENT [Signature]

Sl. No.	Details of Expert	Signature
	Institute of Chemical Technology Prof. R.V. Adivarekar Nathalal Parekh Marg, Matunga, Mumbai - 400019 Ph: +91-22-33611111/Ext.No. : 2801 Email ID : rv.adivarekar@ictmumbai.edu.in	
05	Name of the representative from Industry/corporate sector/allied area relating to placement Mr.P.Karnan Deputy Manager - Sales Business Group Machines & Systems Rieter Machines & Systems ,Coimbatore Pho: 9787725232 Email: karnan.palanisamy@rieter.com	 03/04
06 (a)	Co-opt member(expert from outside the college whenever special courses of studies are to be formulated) Name with designation 1.Mr. K.T.Munikumar Olam Agro India Pvt Ltd No 12 , Ranganathapuram St, St no 3 , Uppilipalayam (po) , Coimbatore ,Tamil Nadu Pho: 97863 45535 Email: ktmunikumar@gmail.com 2.Mr. Vignesh Dhanabalan Scientific Officer COE-Medical Textiles Division The South India Textile Research Association, Coimbatore Ph.: 9790346612 Email : vigneshdhanabalan@hotmail.com	  3/4/18
(b)	Other members of staff of the same department (atleast 5 years teaching experience) Dr.S.Sundaresan Dr.S.Kathirvelu Dr.L.Sasikala Dr.K.Thangamani	
(c)	DCOE/ coordinator Autonomous Dr.J.Vijayaprakash	

Signature

HOD / Chairman-BOS

Coordinator Autonomous

Principal

Kumaraguru College of Technology, Coimbatore-641 049
DEPARTMENT OF TEXTILE TECHNOLOGY
15th Board of Studies Meeting

UG Programme - B.Tech. Textile Technology

Minutes of Meeting

08-02-2018

The Board of Studies Meeting for Textile Technology (PG) was conducted on 8.2.2018 at 2.00 PM in the conference hall (A-Block) to conduct the following Agenda

Agenda: Approval of Curriculum and Syllabus for B.Tech. Textile Technology (R17- III to VIII Semester & R18 I –II Semester).

Members Present

1.University Nominee

Dr.G.Thilagavathi

2. Chairman-BOS

Dr.Bhaarathi Dhurai

3. Subject Expert

- | | |
|------------------------|----------|
| 1. Mr.P.Sivakumar | Textiles |
| 2. Dr.V.Rameshbabu | Textiles |
| 3. Mr.M.Saravanan | Textiles |
| 4. Dr.M.Dhinakaran, | Textiles |
| 5. M.S.Ariharasudhan, | Textiles |
| 6. Dr.V.Stephenrapheal | Biotech |

4. Academic Council Nominee

Prof. Ravindra V. Adivarekar , Institute of Chemical Technology

5. Industry representative

Mr.S.Chandrasekarabharathy, Lakshmi Machine Works Limited

6. PG Alumni

Ms.D.V.Saranya, Bannari Amman Institute of Technology, Sathyamangalam

7. Co-opt member

Mr.K.T.Munikumar , Olam Agro India Pvt. Ltd
Mr.DU. Hariharan , Sterling Marketing

8. Members of staff

Dr. S.Kathirvelu	Prof/TXT
Prof Mr.S.Sundaresan	AP(SRG)/TXT
Dr.L.Sasikala	AP/TXT

9. DCOE/ Coordinator Autonomous

Dr.J.Vijayaprakash

 / Dr. BHAARATHI DHURAI 652
Ph.D. MISTE.,

Members not present**Academic Council Nominee**

1. Dr. B.K Behera , Indian Institute of Technology , Delhi
2. Mrs. K.Premalatha EEE
3. Dr. C. Velmurugan Mechanical

Resolutions passed

1. The presented curriculum and syllabus for III to VIII Semester B.Tech. Technology Regulations 2017 & curriculum and syllabus for I & II Semester B.Tech. Technology Regulations 2018 were approved and passed with the following recommendations.

Recommendations of the members

S.No.	Components	Introduced/Changes/Modifications etc.,																						
1.	New courses introduced	Electrical & Electronics Engineering- III Semester Electrical & Electronics Engineering Lab.																						
2.	Common Courses introduced	Essence of Traditional Knowledge(Non Credit Course)																						
3.	Major Revision Introduced	Nil																						
4.	New concepts on Industry Interaction/practical learning Introduced	Embedded courses introduced																						
5.	Changes in credits from earlier curriculum	Reduced from 174 to 162																						
6.	Area of focus of the syllabus: Industry oriented/Research Oriented/Higher studies oriented	Industry oriented -35% Research oriented - 30% Higher Studies oriented -35%																						
7.	Proportion of Subjects Science/Problematic/Engineering	<table border="1"> <thead> <tr> <th>Specialization</th><th>Total Credits (162)</th><th>Credit %</th></tr> </thead> <tbody> <tr> <td>Humanity Sciences</td><td>12</td><td rowspan="3">33.3%</td></tr> <tr> <td>Basic Sciences</td><td>26</td></tr> <tr> <td>Engineering Sciences</td><td>16</td></tr> <tr> <td>Professional Core</td><td>57</td><td>35%</td></tr> <tr> <td>Professional Electives</td><td>18</td><td>11.1%</td></tr> <tr> <td>Free Electives</td><td>18</td><td>11.1%</td></tr> <tr> <td>Projects</td><td>15</td><td>9.26%</td></tr> </tbody> </table>	Specialization	Total Credits (162)	Credit %	Humanity Sciences	12	33.3%	Basic Sciences	26	Engineering Sciences	16	Professional Core	57	35%	Professional Electives	18	11.1%	Free Electives	18	11.1%	Projects	15	9.26%
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Professional Core	57	35%																						
Professional Electives	18	11.1%																						
Free Electives	18	11.1%																						
Projects	15	9.26%																						
8.	Concept/basis of grouping the elective	Fibers, Spinning, Fabric Formation, Chemical Processing, Management, Technical Textiles																						
9.	Changes introduced in the reference book details	Reference books updated																						

Dr. BHAARATHI DHURAI
M.Tech., Ph.D., MISTE. 653
Professor & Head

10.	Inter department courses introduced modified in the teaching scheme	Open electives are offered for other department Electrical & Electronics Engineering Electrical & Electronics Engineering Lab. Introduced in Semester III
11.	Innovative teaching aids and methods	Cut model explanation Seminar Mind mapping Multimedia
12.	Courses/concepts introduced for enhancing leadership quality, ethical value, society concern, environmental issues, health value etc.,	Essence of Indian Traditional Knowledge, Indian Constitution

Others

1. Disseminating the vision, mission, PEO & PSO as per the approval of DAB Members.
2. AICTE guidelines can be taken as guidelines and not mandatory to stick to the number of total credits. Curriculum can be framed under university curriculum. Professional core courses can be increased.
3. Embedded courses can be conducted with separate Continuous Assessment for theory & lab and external examiner for lab.
4. In semester IV, Yarn manufacturing Technology Lab name may be changed to Spinning Technology Lab.
5. In Semester VI, Technical Textiles Lab. may be changed to next semester and named as Technical Textiles Testing Lab.
6. In Semester VII, Process control in Textile Industry may be changed to Process & Quality Control in Textile Industry.
7. Textile Brand Management may be introduced in professional electives. ✓
8. In Textile printing and finishing subject, last unit title can be changed to Effluent Treatment in Textile Industry.
9. In Textile Mechatronics, all advanced electronic controls like inverter, servo drives, pneumatic control, electromagnetic drives, timing control systems, sensor control systems, etc., can be included. Syllabus may be revised to advanced mechatronics covering all areas. case studies can be revised to cover all areas of spinning, weaving, knitting, Technical textiles etc., to learn basics.
10. In Textile Quality Evaluation, Advanced fiber and yarn testing may be added in fiber and yarn testing. Norms as per end use can be included.
11. In Garment Manufacturing Technology lab, Textile and Apparel CAD may be added as embedded lab.
12. Chemistry for textiles name may be changed to Textile Chemistry.


Chairman (BOS)/HOD-Textiles

Dr. BHAARATHI DHURAI
M.Tech., Ph.D., MISTE.,
Professor & Head
Department of Textile Technology



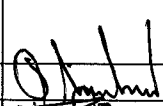
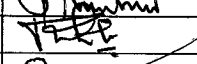
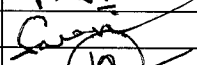
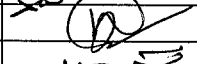
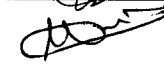
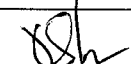

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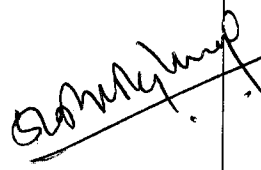


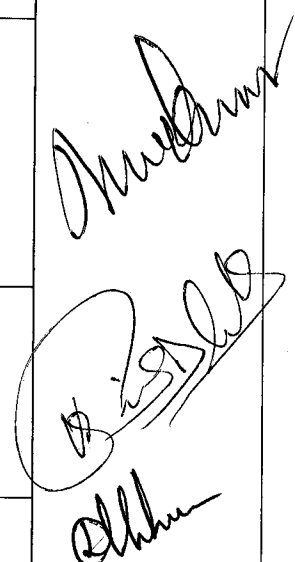
Name of the Department: Textile Technology

Date: 08.02.2018

15th Board of Studies –B.Tech. Textile Technology

Attendance Sheet

Sl. No.	Details of Expert	Signature
01	Name of the University Nominee Dr.G.Thilagavathi Professor & Head Department of Textile Technology PSG College of Technology Coimbatore -641004 Pho: 9894769906 Email: thi@txt.psgtech.ac.in	
02	Dr.BhaarithiDhurai Head of the Dept(Chairman-BOS)	
03	Name of the teaching faculty from each specialization (one for each specialization). Name with specialization	
	1. Mr.P.Sivakumar- Fiber Science	
	2. Dr.V.Rameshbabu- Garment Technology	
	3. Mr.M.Saravanan-Technical Textiles	
	4. Dr.M.Dhinakaran - Spinning	
	5. M.S.Ariharasudhan- Weaving, Textile Chemical Processing	
	6.Mrs. K.Premalatha-EEE	- Ab-
	7. Dr. C. Velmurugan – Prof. Mechanical	- Ab-
04	8.Dr.V.Stephenrapheal- Prof. Biotech.	
	Name of the expert nominated by Academic Council(outside the college)	
	Dr. B.K Behera Professor and Head Department of Textile Technology Indian Institute of Technology Delhi HauzKhas, New Delhi 110016 bijoy.behera@yahoo.com Tel.91-11-26592424 Fax. 91-11-26562503	

Sl. No.	Details of Expert	Signature
	Prof. Ravindra V. Adivarekar Professor- Head Fibres& Textile Processing Technology Institute of Chemical Technology Nathalal Parekh Marg Matunga, Mumbai - 400019 Ph: +91-22-33611111/Ext.No. : 2801 Email ID : rv.adivarekar@ictmumbai.edu.in	
05	Name of the representative from Industry/corporate sector/allied area relating to placement Mr.S.Chandrasekarabharathy DGM - Components & Business, Lakshmi Machine Works Limited Perianaickenpalayam Coimbatore - 641 020 Pho: 8144921252 Email: Chandrasekarabharathy.s@lmw.co.in	
06	Post Graduate meritorious alumni nominated by Principal Ms.D.V.Saranya (2012-2014) Assistant Professor Dept. of Fashion Technology Bannari Amman Institute of Technology Sathyamangalam, Erode Ph: 9842750207 Mail: saranyadv@bitsathy.ac.in	
07 (a)	Co-opt member(expert from outside the college whenever special courses of studies are to be formulated) Name with designation	
	1.Mr. K.T.Munikumar Olam Agro India Pvt Ltd No 12 , Ranganathapuram St , St no 3 , Uppilipalayam (po) , Coimbatore ,Tamil Nadu India, www.olamgroup.com Pho: 97863 45535 Email: ktmunikumar@gmail.com	
	2.Mr. Vignesh Dhanabalan Scientific Officer COE-Medical Textiles Division The South India Textile Research Association Ph.: 9790346612 Email : vigneshdhanabalan@hotmail.com	
	3. Mr.D.U. Hariharan Executive Director	

Sl. No.	Details of Expert	Signature
	Sterling Marketing Coimbatore Mob: 7810935666 :Email: hariharanmp09@gmail.com	
	Other members of staff of the same department	
	Mr.S.Sundaresan	
	Dr.S.Kathirvelu	
	Dr.L.Sasikala	
(b)	Ms.R.Sukanyadevi	
	Dr.T.Thangamani	
	Mr.P.Thangeshwaran	
	Mr.P.Chandrasekaran	
	Mr.S.Natarajan	
	Mr.A.Arunjaj	
(c)	DCOE/ coordinator Autonomous Dr.J.Vijayaprakash	
(d)	Others	
1	Dr. J. SRINIVASAN HOD/ET, KLT, CBE	
2	Dr. P.K. GIRIDHARAN HOD R: Mech Engg.	
3	DR. RAM AP. E	

A Dr B. Santinikumar



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and
Accreditation Council)

GRADE
A++

School of Foundational Sciences – Mathematics



KUMARAGURU

COLLEGE OF TECHNOLOGY

NAAC (National Assessment and Accreditation Council)

GRADE A++

Department of Mathematics

Sl. No.	Date of Board of Studies meeting
1.	03.05.2023
2.	11.01.2023
3.	05.07.2022
4.	16.12.2021
5.	22.06.2021
6.	24.11.2020
7.	01.12.2018
8.	19.03.2018

MINUTES OF BOARD OF STUDIES MEETING

Department : Mathematics

Programme : UG & PG

Venue : Online mode(MS teams)

Date : 03.05.2023

Time : 11.00 am to 12.30 pm

Welcome Note:

The Board of Studies meeting for Mathematics was conducted on May 05th 2023 between 11.00 am to 1.30 pm in virtual mode on Microsoft Teams platform.

Dr.Maheswari K, Head and Chairperson of Mathematics joined in welcoming all the external and internal members for the meeting and presented the following.

- Syllabi of semester I & semester II of all UG programme under new regulations.
- Syllabi of semester I of PG courses under new regulations.

External Members

S. No	Name	Designation / Affiliation details
1.	Dr. P. Vijaya Raju (Anna University Nominee)	Former Professor, Dept. of Mathematics, CEG Campus, Anna University, Chennai.
2.	Dr. V. Vetrivel (Member Nominated by Academic Council)	Professor, Indian Institute of Technology Madras-Chennai.
3	Dr. J. Ravichandran (Member Nominated by Academic Council)	Professor & Head, Amrita University, Coimbatore.
4.	Mr.Pradeep C Industry Expert)	Co partner, Paperless Validation Software for Life Science Companies
5.	Mr.Kowshigan.S.V (Alumni member)	Batch: 2014-2018 & Dept : AUE Associate Manager-Projects Spookfish Innovations Yelachanahalli, Bangalore.

Internal Members :

1. Dr.K.Maheswari
2. Dr.A.Santha
3. Dr.R.Marudhachalam

4. Ms.S.Sivasakthi
5. Dr.S.Selvanayaki
6. Ms.R.R.Mythili
7. Dr.K.Meena
8. Dr.A.Ezhilarasi
9. Dr.R.Krishnamoorthy
10. Dr.D.Arivuoli
11. Dr.J.Rajasingh
12. Dr.R.Rajkumar
13. Dr.S.Meenapriyadarshini,
14. Dr.K.P.Thilagavathi,
15. Ms.R.Anbhuvizhi,
16. Ms.A.Shanmughavadivu,
17. Dr.J.Dhivya
18. Dr.S.R.Saratha
19. Ms.S.Arunadevi
20. Dr.Vijeta Iyer
21. Dr.N.Anitha
22. Ms.M.Princy Flora
23. Dr.SP.Sathya Priya

Points Discussed

I. Introduction of New Courses:

Dr.K.Maheswari proposed the syllabi of the following three courses under new regulations for the first year students.

- Matrix Algebra and Calculus for Engineers (Common to ALL branches in first semester)
- Differential Equations and Complex Integration (Common to ALL branches in second semester except computer cluster)
- Probability and Statistics (only for computer cluster in second semester)

The syllabi of the following four courses for the first semester of PG were also discussed in the meeting.

- Probability and Statistics (for MCA)
- Mathematics for Data Science (for M.Tech. IT)
- Advanced Engineering Mathematics (for M.Tech. Defence Technology)
- Statistical Methods for Engineers (common to M.E., Construction Management, Structural Engineering & Environmental Engineering)

II. Targets for CO / PO for Academic Year 2022-23:

Decision has been made for the course outcome attainment to 70 % .

III. Approval of Panel of Examiners for QP Setting for AY 2022-23:

Approved.

IV. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for the forthcoming regulation.

- Dr.Vetrivel and Dr.Ravichandran suggested to include the topic “Estimation of Parameters” instead of “Multivariate Analysis” in the second semester course “ Probability and Statistics” for computer cluster branches.
- Dr.Ravichandran suggested to include “Descriptive Statistics” instead of “Two dimensional Random Variables” for MCA.
- Dr.Vetrivel gave suggestions to have text books instead of reference books in PG courses.
- Dr. Ravichandran gave suggestion to include “Point Estimation-Properties of point estimators-Method of moments and Maximum likelihood estimators -Interval

Estimation based on Normal, t, F and chi-square distributions” along with the proposed content in “Theory of Estimation” module.

V. Members inputs towards upgradation of infrastructure / teaching aids to aid content delivery:

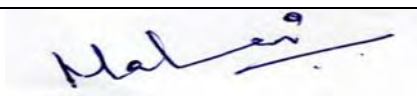
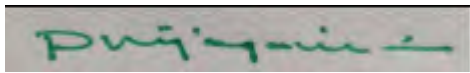

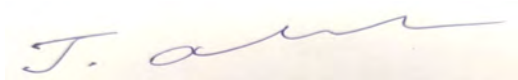
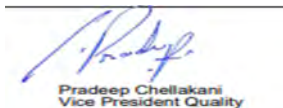
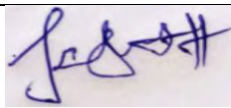

No comments.

VI. Any other matters (with the permission of Chairman, BoS):

The experts approved the proposed syllabi which were updated as per the suggestions given by the expert committee members.

VII. Meeting RecordingLink :

https://kumaragurudtsteam-my.sharepoint.com/:v:/g/personal/maheswari_k_sci_kct_ac_in/EcXi9C1J3ghErl2o3XAssKYB17lqDQwSGGI1e-lwunl5bA

S.No	Members	Digital Signature
1.	Dr.Maheswari K Head-Mathematics Chairperson, Dept. of Mathematics, KCT.	
2.	Dr.P.Vijaya Raju Anna University Nominee(Subject Expert), Former Professor, Department of Mathematics, CEG Campus, Anna University, Chennai.	
3.	Dr.V.Vetrivel Member nominated by Academic Council (Subject Expert), Professor, IIIT, Madras, Chennai	
4.	Dr.J.Ravichandran Member nominated by Academic Council (Subject Expert), Professor and Head, Amrita University, Coimbatore.	
5.	Mr. Pradeep.C Alumni Member (Industrial Expert), Paperless Validation Software for Life Science Companies.	
6.	Mr.Kowshigan.S.V (Alumni member) Associate Manager-Projects, Spookfish Innovations, Yelachanahalli, Bangalore.	
7.	Dr.K.Meena BoS Coordinator , Department of Mathematics	

MINUTES OF BOARD OF STUDIES MEETING

Department : Mathematics

Programme : UG

Venue : Online mode(MS teams)

Date : 11.01.2023

Time : 11.30 am to 1.30 pm

Welcome Note:

The Board of Studies meeting for Mathematics was conducted on January 11th 2023 between 11.30 am to 1.30 pm in virtual mode on Microsoft Teams platform.

Dr.Maheswari K, Head and Chairperson of Mathematics joined in welcoming all the external and internal members for the meeting and presented

- (i)Agenda of the meeting
- (ii)Vision and Mission of the Department.
- (iii) Curriculum and syllabi of all the UG courses
- (iv) New Initiatives-Two credit courses and PBL teaching pedagogy

External Members

S. No	Name	Designation / Affiliation details
1.	Dr. P. Vijaya Raju (Anna University Nominee)	Former Professor, Dept. of Mathematics, CEG Campus, Anna University, Chennai.
2.	Dr. V. Vetrivel (Member Nominated by Academic Council)	Professor, Indian Institute of Technology Madras- Chennai.
3	Dr. J. Ravichandran (Member Nominated by Academic Council)	Professor & Head, Amrita University, Coimbatore.
4.	Mr.Pradeep C (Industry Expert)	Co partner, Paperless Validation Software for Life Science Companies
5.	Mr.Kowshigan.S.V (Alumni member)	Batch: 2014-2018 & Dept : AUE Associate Manager-Projects Spookfish Innovations Yelachanahalli, Bangalore.

Internal Members

1. Dr.K.Maheswari
2. Dr.A.Santha
3. Dr.R.Marudhachalam
4. Ms.S.Sivasakthi
5. Dr.S.Selvanayaki
6. Ms.R.R.Mythili
7. Dr.K.Meena
8. Dr.A.Ezhilarasi
9. Dr.R.Krishnamoorthy
10. Dr.D.Arivuoli
11. Dr.J.Rajasingh
12. Dr.R.Rajkumar
13. Dr.S.Meenapriyadarshini,
14. Dr.K.P.Thilagavathi,
15. Ms.R.Anbhuvizhi,
16. Ms.A.Shanmughavadivu,
17. Dr.J.Dhivya
18. Dr.S.R.Saratha
19. Ms.S.Arunadevi
20. Dr.Vijeta Iyer
21. Dr.N.Anitha
22. Ms.M.Princy Flora
23. Dr.SP.Sathya Priya

Points Discussed

I. Introduction of New Courses:

Dr.K.Maheswari presented the syllabi of the following two credit courses as a part of FCLF (Flexible Comprehensive Learning Frame work) for all the first year students.

1. Statistics using Excel
2. Tech for Good : Achieving the SDG's by the role of ICT

The syllabi of the following two courses on M.Tech.,Defence Technology were also discussed in the meeting.

1. DT-01-03 /Advanced Engineering Mathematics
2. DT-EL1-03 /Numerical methods for Science and Engineering

II. Stakeholders feedback and the changes recommended on (i) PSO (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods :

- Dr.K.Maheswari explained the initiatives taken on teaching pedagogy 'Problem Based Learning' adopted on each of the modules for the course entitled ' Linear Algebra and Calculus' for the first semester UG students in addition to the traditional teaching methodology.
- Members greatly appreciated the effort taken for bringing this kind of teaching methodology.

III. Targets for CO / PO for Academic Year 2022-23:

Decision has been made for the course outcome attainment to 70 % .

IV . Approval of Panel of Examiners for QP Setting for AY 2022-23:

Approved.

V. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for the forthcoming regulation.

- Dr.Maheswari informed about the new PG syllabi on Defence Technology which was framed by DRDO and AICTE and requested the members to provide their views on the same.

- Dr.Vetrivel advised to keep specific text books for the topics relevant to Elements of Ramsey theory, theorems of Burnside and Polya and balanced incomplete block designs and applications in the course DT-01-03 /Advanced Engineering Mathematics.
- Dr.Vijayaraju and Dr.Ravichandran gave suggestions to increase the number of contact hours for the Defence Technology course as various concepts were introduced in the syllabi.
- Dr.Ravichandran suggested that some of the topics in the course DT-EL1-03- Numerical methods for Science and Engineering were quite lengthy.
- Mr.Pradeep suggested to enhance the teaching pedagogy by giving more weightage on the concepts than the tools.

VII . Members inputs towards upgradation of infrastructure / teaching aids to aid content delivery:

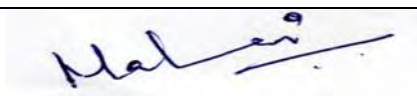
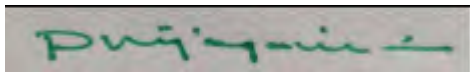

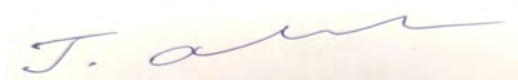
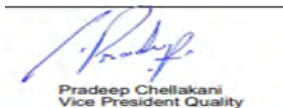
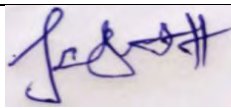

No comments.

VIII. Any other matters (with the permission of Chairman, BoS):

The experts approved the two credit courses entitled ‘Statistics using Excel’ and ‘Tech for Good : Achieving the SDG’s by the role of ICT’.

IX. Meeting Recording Link :

https://kumaragurudtsteam-my.sharepoint.com/:v:/g/personal/meena_k_sci_kct_ac_in/ETD_FUKIAVRBkPjoTnR3si8Bl3dlzE_8kut-clQ2pDiHSw

S.No	Members	Digital Signature
1.	Dr.Maheswari K Head-Mathematics Chairperson, Dept. of Mathematics, KCT.	
2.	Dr.P.Vijaya Raju Anna University Nominee(Subject Expert), Former Professor, Department of Mathematics, CEG Campus, Anna University, Chennai.	
3.	Dr.V.Vetrivel Member nominated by Academic Council (Subject Expert), Professor, IIIT, Madras, Chennai	
4.	Dr.J.Ravichandran Member nominated by Academic Council (Subject Expert), Professor and Head, Amrita University, Coimbatore.	
5.	Mr. Pradeep.C Alumni Member (Industrial Expert), Paperless Validation Software for Life Science Companies.	
6.	Mr.Kowshigan.S.V (Alumni member) Associate Manager-Projects, Spookfish Innovations, Yelachanahalli, Bangalore.	
7.	Dr.K.Meena BoS Coordinator , Department of Mathematics	

Copy To: Principal, Dean Academics, CoE, all DoAs, Head Autonomous

MINUTES OF BOARD OF STUDIES MEETING

Department : Mathematics

Programme : UG

Venue : Online mode(MS teams)

Date : 05.07.2022

Time : 3.00 pm to 4.30 pm

Welcome Note:

The Board of Studies meeting for Mathematics was conducted on July 5th 2022 between 3.00 pm and 4.30 pm in virtual mode on Microsoft Teams platform.

Dr.Maheswari K, Head and Chairperson of Mathematics joined in welcoming all the external and internal members for the meeting and presented

- (i)Agenda of the meeting
- (ii)Vision and Mission of the Dept.
- (iii) Curriculum and syllabi of all the UG courses for the forthcoming regulations.
- (iv) New Initiatives-Minor Specialization

External Members

1. Dr.P.Vijaya Raju,
Anna University Nominee(Subject Expert),
Former Professor,
Department of Mathematics, CEG Campus, Anna University, Chennai.

2. Dr.V.Vetrivel,
Member nominated by Academic Council (Subject Expert),
Professor,
Indian Institute of Technology, Madras, Chennai.

3. Dr.J.Ravichandran
Member nominated by Academic Council (Subject Expert),
Professor and Head,
Amrita University, Coimbatore.

4. Mr. Pradeep.C
(Industry expert)
Co partner, Paperless Validation Software for Life Science Companies
Email Id: cpradeep22@gmail.com

Internal Members

Dr.A.Santha
Dr.R.Marudhachalam
Ms.S.Sivasakthi

Dr.S.Selvanayaki
 Dr.K.Meena
 Dr.A.Ezhilarasi
 Dr.R.Krishnamoorthy
 Dr.D.Arivuoli
 Dr.S.Meenapriyadarshini,
 Dr.K.P.Thilagavathi,
 Ms.R.Anbhuvizhi,
 Ms.A.Shanmughavadivu,
 Dr.J.Dhivya
 Dr.S.R.Saratha
 Ms.S.Arunadevi
 Dr.Vijeta Iyer
 Dr.N.Anitha
 Ms.M.Princy Flora
 Dr.S.Dharani
 Dr.SP.Sathya Priya

Points Discussed

I. Introduction of Minor Specialization Course:

S.No	Course Name	Credits
1	PYTHON FOR AI AND ML	3
2	MATHEMATICS FOR AI AND ML	3
3	MACHINE LEARNING	3
4	DEEP LEARNING	3
5	INDUSTRIAL PROJECT FOR AI&ML	3
	Total	15

II. Addition of New Lab Experiments in the forthcoming regulation Courses:

- The list of lab experiments with applications in MATLAB for semesters I & II to be given.
- The course Numerical Methods and Probability to be embedded with MATLAB.
- MATHEMATICA lab components to be introduced in the new curriculum for the course Probability and Random Processes.

III. Stakeholders feedback and the changes recommended on (i) PSO (ii) Mission

Statements, (iii) Innovative Teaching / Learning / Assessment Methods :

No comments.

IV. Targets for CO / PO for Academic Year 2021-22:

Decision has been made for the course outcome attainment to 60% for the forthcoming academic year.

V . Approval of Panel of Examiners for QP Setting for AY 2021-22:

Approved

VI. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for the forthcoming regulation.

- Dr.Vijayaraju & Dr.Vetrivel suggested to change the second semester course title from “Multivariate Calculus” to “Advanced Calculus” and Probability and Statistics for Data Analytics to “ Probability and Statistics”
- Members suggested to change the content in the module “Time series and interpolation” which was proposed for second semester.
- Dr.Ravichandran advised to keep Numerical Differentiation and Integration as one module and the time series as another module in second semester course.
- Mr.Pradeep suggested to include Applications of Time Series Analysis and Advanced Time Series Analysis in Business (e.g. share market) related problems.
- Experts suggested to reduce the content in the syllabus ”Probability and Statistics” because it was too vast for the students to learn.
- Dr.Vijayaraju advised to include foreign author books in “ Probability and Statistics”.
- Dr.Maheswari K discussed about the fractal academic system and Dr.Ravichandran also expressed his view on the same as it is followed in Amrita University.

VII . Members inputs towards upgradation of infrastructure / teaching aids to aid content delivery:


- Members suggested that the special papers in Minor specialization course on Artificial Intelligence and Data Science can be taught by subject experts.

VIII. Any other matters (with the permission of Chairman, BoS)

- The experts approved the minor specialization course on Artificial Intelligence and Machine Learning course.

Meeting Recording Link :

[https://kumaragurudtsteam.sharepoint.com/sites/KCT_ScienceHumanities_Maths_Faculties/Shared%20Documents/General/Recordings/Meeting%20in%20General - 20220705_145459-Meeting%20Recording.mp4?web=1](https://kumaragurudtsteam.sharepoint.com/sites/KCT_ScienceHumanities_Maths_Faculties/Shared%20Documents/General/Recordings/Meeting%20in%20General-20220705_145459-Meeting%20Recording.mp4?web=1)

S.No	Members	Digital Signature
1.	Dr.Maheswari K Head-Mathematics Chairperson, Dept. of Mathematics, KCT.	
2.	Dr.P.Vijaya Raju Anna University Nominee(Subject Expert), Former Professor, Department of Mathematics, CEG Campus, Anna University, Chennai.	
3.	Dr.V.Vetrivel Member nominated by Academic Council (Subject Expert), Professor, IIIT, Madras, Chennai	
4.	Dr.J.Ravichandran Member nominated by Academic Council (Subject Expert), Professor and Head, Amrita University, Coimbatore.	
5.	Mr. Pradeep.C Alumni Member (Industrial Expert), Paperless Validation Software for Life Science Companies.	

Copy To: Principal, Dean Academics, CoE, all DoAs, Head Autonomous

MINUTES OF BOARD OF STUDIES MEETING

Department : Mathematics

Programme : UG & PG

Venue : Online mode(MS teams)

Date : 16.12.2021

Time : 10.30 am to 11.30 am

Welcome Note:

The Board of Studies meeting for Mathematics was conducted on December 16th 2021 between 10.30a.m and 11:30 am in virtual mode on Microsoft Teams platform.

Dr.Maheswari K, Head and Chairperson of Mathematics joined in welcoming all the external and internal members for the meeting and presented

- (i)Agenda of the meeting
- (ii)Vision and Mission of the Dept.
- (iii) Curriculum and syllabi of all the courses.
- (iv) New Initiatives-Minor Specialization and Foundational Mathematics courses

External Members

1. Dr.P.Vijaya Raju,
Anna University Nominee(Subject Expert),
Former Professor,
Department of Mathematics, CEG Campus, Anna University, Chennai.

2. Dr.V.Vetrivel,
Member nominated by Academic Council (Subject Expert),
Professor,
Indian Institute of Technology, Madras, Chennai.

3. Dr.J.Ravichandran
Member nominated by Academic Council (Subject Expert),
Professor and Head,
Amrita University, Coimbatore.

4. Mr. Pradeep.C
Alumni (Industry expert)
Co partner,
Paperless Validation Software for Life Science Companies
Email Id: cpradeep22@gmail.com

Internal Members

1. Dr. Ezhilarasi M
Professor - Associate Dean - AAC & HoD-SFS
2. Dr. Santha A,
3. Dr. Marudhachalam R
4. Ms. S. Sivasakthi,
5. Dr. Selvanayagi S
6. Ms. R. R. Mythili
7. Dr. K. Meena
8. Dr. Ezhilarasi A
9. Dr. Krishnamoorthy R
10. Ms. D. Arivuoli
11. Ms. S. Meenapriyadarshini,
12. Dr. K. P. Thilagavathy,
13. Ms. R. Anbhuvizhi,
14. Ms. A. Shanmughavadivu,
15. Dr. Dhivya J
16. Dr. S. R. Saratha
17. Ms. S. Arunadevi
18. Dr. Vijeta Iyer
19. Dr. N. Anitha
20. Ms. Princy Flora

Points Discussed

I. Introduction of Minor Specialization Course :

S.No	Course code	Course Name	Credits
1	U18MAR0201	Statistical Foundations for Data Science	3
2	U18MAR0202	Python Programming	2
3	U18MAR0203	Data Analytics	3
4	U18MAR0204	Deep learning	3
5	U18MAR0205	Data Science tools	2
6	U18MAR0206	Minor Project	2
		Total	15

II. Introduction of Foundational Course :

S.No	Course code	Course Name	Credits
1	U18MAT0101	Foundational Mathematics for Engineers	2

III. Addition of New Lab Experiments in R2018 Courses:

The same list of Lab experiments in the existing syllabus will be continued.

IV. Stakeholders feedback and the changes recommended on (i) PSO (ii) Mission

Statements, (iii) Innovative Teaching / Learning / Assessment Methods :

No comments.

V. Targets for CO / PO for Academic Year 2021-22:

Decision has been made for the course outcome attainment to 60% for the forthcoming academic year .

VI . Approval of Panel of Examiners for QP Setting for AY 2021-22:

Approved

VII. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)


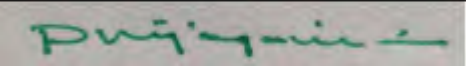

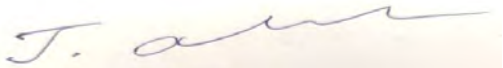
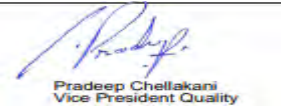
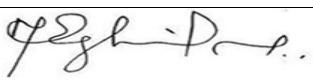
- Dr.Vetrivel & Mr.Pradeep appreciated the efforts taken by the department for introducing Minor specialization course.
- Dr.Vetrivel suggested that Mathematics faculty equipped with the required software skills can be recruited to handle the Deep learning and Data Science tool courses.
- Dr.Vetrivel wanted to understand the reason behind introducing the Foundational Mathematics for the first year students and he was satisfied to know that this is the course to bridge the gap between the school and engineering course as they have done higher secondary in online mode.
- Dr.Ezilarasi .M, Head SFS, explained the Project Based Learning / Problem Based Learning methodology adopted for teaching first year students and the same can be implemented for higher classes in the forthcoming year.

VIII. Members inputs towards upgradation of infrastructure / teaching aids to aid content delivery:

Mr.Pradeep suggested to teach the concepts with more practical examples with pictorial representations which will make the subject more interesting to learn.

XI. Any other matters (with the permission of Chairman, BoS)

The subject experts approved the minor specialization course on Data Science and Foundational Mathematics for Engineers course.

S.No	Members	Digital Signature
1.	Dr.Maheswari K Head-Mathematics Chairperson, Dept. of Mathematics, KCT.	
2.	Dr.P.Vijaya Raju Anna University Nominee(Subject Expert), Former Professor, Department of Mathematics, CEG Campus, Anna University, Chennai.	
3.	Dr.V.Vetrivel Member nominated by Academic Council (Subject Expert), Professor, IIIT, Madras, Chennai	
4.	Dr.J.Ravichandran Member nominated by Academic Council (Subject Expert), Professor and Head, Amrita University, Coimbatore.	
5.	Mr. Pradeep.C Alumni Member (Industrial Expert), Paperless Validation Software for Life Science Companies.	
6.	Dr. Ezhilarasi.M Associate Dean & Head- SFS, KCT.	

Copy To: Principal, Dean Academics, CoE, all DoAs, Head Autonomous

MINUTES OF BOARD OF STUDIES MEETING

Department : Mathematics

Programme : UG & PG

Venue : Online mode(MS teams)

Date : 22.06.2021

Time : 11 am to 12.30 pm

Welcome Note:

The Board of Studies meeting for Mathematics was conducted on June 22nd, 2021 between 11a.m and 12:30pm in virtual mode on Microsoft Teams platform.

Dr.Maheswari K Head and Chairperson of Mathematics joined in welcoming all the external and internal members for the meeting and presented

- (i)Agenda of the meeting
- (ii)Vision and Mission of the Dept.
- (iii) Curriculum and syllabi of all the courses.
- (iv) New Initiatives-One Credit courses

External Members

1. Dr.P.Vijaya Raju,
Anna University Nominee(Subject Expert),
Former Professor,
Department of Mathematics,
CEG Campus,
Anna University,
Chennai-600 025
2. Dr.V.Vetrivel,
Member nominated by Academic Council (Subject Expert),
Professor,
Indian Institute of Technology,
Madras, Chennai
3. Dr.J.Ravichandran
Member nominated by Academic Council (Subject Expert),
Professor and Head,
Amrita University,
Coimbatore.
4. Mr.R.Sundaram,
Alumni Member (Industrial Expert),
Senior Software Engineer at Microsoft,
Hyderabad.

Internal Members

1. Dr. Ezhilarasi M
Professor - Associate Dean - AAC & HoD-SFS
2. Dr. Arunachalam T
3. Dr. Santha A,
4. Dr. Marudhachalam R
5. Ms. S. Sivasakthi,
6. Dr. Selvanayagi S
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8. Dr. K. Meena
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11. Dr. Rajasingh J
12. Ms. D. Arivuoli
13. Ms. S. Meenapriyadarshini,
14. Dr. Rajkumar R
15. Dr. K. P. Thilagavathy,
16. Ms. R. Anbhuvizhi,
17. Ms. A. Shanmughavadivu,
18. Dr. Dhivya J
19. Dr. S. R. Saratha
20. Ms. S. Arunadevi
21. Dr. Vijeta Iyer
22. Dr. N. Anitha
23. Ms. Princy Flora

Points Discussed

I. Action Taken Report on Previous BoS Meeting:

S. No	Suggestions	Outcome after discussions
1.	The BOS members suggested including text books along with reference books for R18 UG courses, with a maximum of two text books and five reference books in all the syllabi.	Suggestions have been implemented as given by experts.
2.	For the new UG degree Programme, Artificial Intelligence and Data Science, the following four courses related to the various semesters has been introduced from the academic year 2020-2021. Semester I-U18MAI1203-Linear Algebra and	All the four courses of the branch Artificial Intelligence and Data Science have been approved. The suggestion of experts to reduce some content in the syllabus will be

	<p>Calculus (4 credits).</p> <p>Semester II-U18MAT2101-Discrete Mathematics (3 credits)</p> <p>U18MAI2203-Probability and Statistics (4 credits)</p> <p>Semester III-U18MAI3201-Multivariate Calculus and Forecasting (4 credits)</p> <p>Semester IV-U18MAT4105-Random Process and Optimization (4 credits)</p>	implemented in R2022.
3.	Members suggested to rearrange the modules in U18MAI2203-Probability and Statistics. Also the suggestion was given to review the syllabus of this paper to reduce some content.	The suggestion of the experts will be implemented in R2022 regulations.
4	Suggestion was given to revise some modules of U18MAT4103- Probability and Random Processes for ECE branch and U18MAI4201-Probability and Statistics for CSE, IT & ISE branches.	The revision suggested will be done in R2022 regulations.
5.	Recommendation was given to reduce few topics from the syllabus of P18MAT1107- Mathematics for Data Science for M.Tech Data Science and P18MAT1108 – Mathematical Foundation of Computer Science for M.E-CSE.	The same will be incorporated in the forthcoming regulation.
6.	Suggestion was given by the experts to offer the PG lab components in self-study mode .	For MCA, the course has been changed to theory paper as P20MAT1101 - Probability and Statistics for Data Analysis (4 credits).
7.	For PG Programme – M.E.- Construction Management, the new Mathematics course “P18MAT1001 - Statistical Methods for	The same has been approved by the experts.

	Management” has been introduced	
8.	Members recommended including pre-requisite topics for all PG courses	Implemented in the courses based on the requirements.

II. Introduction of New One Credit Courses :

S.No	Course code	Course Name	Total Hours
1	U18MAC0301	Mathematical Modelling: Analysis and Applications	15
2	U18MAC0302	Resource Management Techniques Using Tora	15
3	U18MAC0303	Mathematics For Cyber Security	15
4	U18MAC0304	R Programming For Analytics	15
5	U18MAC0305	Data Analysis And Forecasting Using Python	15

III. Addition of New Lab Experiments in R2018 Courses:

The same list of Lab experiments in the existing syllabus will be continued.

IV. Stakeholders feedback and the changes recommended on (i) PSO (ii) Mission

Statements, (iii) Innovative Teaching / Learning / Assessment Methods :

No comments.

V. Targets for CO / PO for Academic Year 2021-22:

Planned to maintain the existing target for the forthcoming academic year .

VI. Approval of Panel of Examiners for QP Setting for AY 2021-22:

Approved

VII. Members Recommendations for Implementing NEP 2020

Members informed that after AICTE’s approval, recommendations for the implementation of NEP 2020 will be given.

VIII. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

1. Experts discussed about the efforts taken by the faculty members in framing the

curriculum for offering one credit and embedded courses based on the requirement of various engineering branches.

2. Five One credit courses are offered for the forthcoming semester and the same was very well appreciated by the subject experts.
3. Experts were pleased to hear from us that no course fees are collected for one credit courses.
4. Experts heard from the faculty members about the monitoring of students during internal exams by making them on their videos randomly.
5. Members suggested that one credit course content can be slightly reduced so that the course completion can be easily completed within the stipulated time.
6. Suggestions were given that a particular topic alone can be focused in detail for the effectiveness of the delivery of the courses.
7. Members further recommended that certificates need to be given to the students after their successful completion of their one credit courses.
8. Further suggestions were given that the students having pre-requisite knowledge about particular one credit course will be benefitted more by enhancing themselves using the software involved in the course.
9. Members added that the learning of one credit courses through softwares will be more useful for their future career.

IX. Members inputs towards upgradation of infrastructure / teaching aids to aid content delivery:

1. Industrial expert suggested to follow breadth oriented approach in learning Mathematical concepts and recommended to use interesting higher end softwares in-addition to MATLAB to make abstract Math more easier to understand.
2. Implementation of Project Based Learning where the students learn Mathematics in a deeper understanding with regard to application oriented Mathematics was discussed and members encouraged the efforts taken which is very much required in the current scenario teaching methodologies.



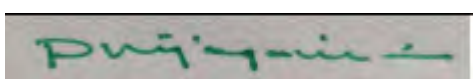

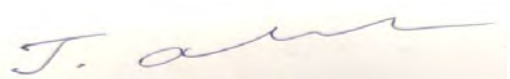

X. Best Practices followed in (External) Member's Institutions:

1. For B.E/B.Tech students, Minor programmes like Minor in Mathematics, Probability, Optimization based on M.Sc. syllabus as provided by IITs were suggested by expert members.

2. Honours Courses in Mathematics that are suggested by AICTE are recommended by the expert team members to be offered to the engineering students.

XI. Any other matters (with the permission of Chairman, BoS)

Overall the subject experts approved all the one credit courses.

S.No	Members	Digital Signature
1.	Dr.Maheswari K Head-Mathematics Chairperson, Dept. of Mathematics, KCT.	
2.	Dr. Ezhilarasi.M Associate Dean & Head- SFS KCT, Coimbatore	
3	Dr.P.Vijaya Raju Anna University Nominee(Subject Expert), Former Professor, Department of Mathematics, CEG Campus, Anna University, Chennai-600 025	
4	Dr.V.Vetrivel Member nominated by Academic Council (Subject Expert), Professor, Indian Institute of Technology, Madras, Chennai	
5	Dr.J.Ravichandran Member nominated by Academic Council (Subject Expert), Professor and Head, Amrita University, Coimbatore.	
6	Mr.R.Sundaram, Alumni Member (Industrial Expert), Senior Software Engineer at Microsoft, Hyderabad.	

Copy To: Principal, Dean Academics, CoE, all DoAs, Head Autonomous



MINUTES OF BOARD OF STUDIES MEETING

Department of Mathematics

Program: B.E/B.Tech UG & M.E/M.Tech PG

Venue: Online mode(MS teams)

Date: 24.11.2020

Time:11 am to 1.30 pm

Welcome Note

Dr.K.Maheswari, Head(i/c) of Mathematics delivered welcome address and presented

- (i)Agenda of the meeting
- (ii)Vision and Mission of the Dept.
- (iii) Curriculum and syllabi of all the courses.
- (iv) New Initiatives-Minor Specialization and Foundational Mathematics courses

External Members

1. Dr.P.Vijaya Raju,
Anna University Nominee(Subject Expert),
Former Professor,
Department of Mathematics, CEG Campus, Anna University, Chennai.
2. Dr.V.Vetrivel,
Member nominated by Academic Council (Subject Expert),
Professor,
Indian Institute of Technology, Madras, Chennai.
3. Dr.J.Ravichandran
Member nominated by Academic Council (Subject Expert),
Professor and Head,
Amrita University, Coimbatore.
4. Mr. R.Sundaram
Alumni (Industry expert)
Senior Software Engineer at Microsoft

Points Discussed

1. Curriculum - balance of courses as per domain, pre-requisites

Experts appreciated the efforts taken by the faculty members for offering embedded courses based on the requirement of various engineering branches.

2. Syllabus - updation and relevance to industrial, career requirement

All current UG and PG Mathematics course syllabi were discussed.

I. For the UG degree programme, Artificial Intelligence and Data Science has been newly introduced from the academic year 2020-2021.

Here we have introduced the following courses for the programme:

Semester I-U18MAI1203-Linear Algebra and Calculus (4 credits).

Semester II-U18MAT2101-Discrete Mathematics (3 credits) and

U18MAI2203-Probability and Statistics (4 credits)

Semester III-U18MAI3201-Multivariate Calculus and Forecasting (4 credits)

Semester IV-U18MAT4105-Random Process and Optimization (4 credits)

Members suggested to rearrange the modules in U18MAI2203-Probability and Statistics. Also the suggestion was given to review the syllabus of this paper to reduce some content. Both the suggestions have been incorporated.

II. The PG degree programme Master of Computer Applications (MCA) has been reduced to a two year programme and hence only one embedded course P20MAI1201-Probability and Statistics for Data Analysis (4 credits) was planned in the new curriculum.

Suggestion was given by the experts to offer the PG lab components in self-study mode and hence the course has been changed to theory paper as P20MAT1101 -Probability and Statistics for Data Analysis (4 credits).

III. The mathematics course, P18MAT1109-Statistical Methods for Management, for the newly introduced PG programme ME-Construction Management, has been approved.

IV. The BOS members suggested including text books along with reference books for UG courses, with a maximum of two text books and five reference books in all the syllabi and the same has been carried out.

V. The suggestions and inputs given by the experts for the current UG and PG syllabi under R18 will be incorporated in the forthcoming regulation.

- i. Members recommended including pre-requisite topics for all PG courses.
- ii. They advised to revise some modules of U18MAT4103- Probability and Random Processes for ECE branch and U18MAI4201-Probability and Statistics for CSE, IT & ISE branches.

- iii. They recommended removing a few topics from the syllabus of P18MAT1107-Mathematics for Data Science for M.Tech Data Science
- iv. Members advised to reduce the syllabus content in P18MAT1108 – Mathematical Foundation of Computer Science for M.E-CSE.

3. Course Delivery - Mode and effectiveness

Suggestions by Members: Nil

whether points incorporated or not. If not, reason: NA

4. Course Assessment - - Mode and effectiveness,

Suggestions by Members: Nil

whether points incorporated or not. If not, reason : NA

5. Infra requirement, upgradation

Suggestions by Members: Nil

whether points incorporated or not. If not, reason: NA

6. Student's knowledge and skill development


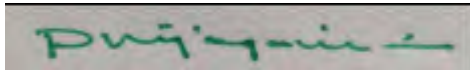


Special appreciation was given by the BOS members for offering GRE and GATE entrance coaching by the department.

7. Faculty and support faculty development / training

Members highly appreciated for the inclusion of MATLAB and R-Programming as the embedded courses.

8. Faculty qualification/ specialisation - recommendation

Suggestions by Members: For project based paper and one credit paper offered to the current UG batch, they suggested to ensure the availability of the faculty team with expertise in the mentioned domain.

S.No	Members	Digital Signature
1.	Dr.Maheswari K Head-Mathematics Chairperson, Dept. of Mathematics, KCT.	
2.	Dr.P.Vijaya Raju Anna University Nominee(Subject Expert), Former Professor, Department of Mathematics, CEG Campus, Anna University, Chennai.	
3.	Dr.V.Vetrivel Member nominated by Academic Council (Subject Expert), Professor, IIIT, Madras, Chennai	
4.	Dr.J.Ravichandran Member nominated by Academic Council (Subject Expert), Professor and Head, Amrita University, Coimbatore.	

DEPARTMENT OF MATHEMATICS
BOS MEETING – 1.12.2018



KUMARAGURU

Venue : Department Library
Time: 10:30 a.m – 12:00pm

The Board of Studies in Mathematics was conducted on 1st Dec, 2018 at 10:30 am. The Chairperson welcomed the Members of the Board of Studies - Dr. M Venkatesan, Prof. and Controller of Examination, Anna University, Chennai, Subject expert Dr. S Marshal Anthoni, Associate Prof., Regional Centre, Coimbatore and Alumni/ Industry person Mr. Arun Prakash, SRG, PSG Tech, Coimbatore and outlined the syllabi for R18 and R17 regulations.

The following suggestions were given by the BOS Members:

1. Members suggested that MATLAB shall be taught additionally as the students are at learning stage and focus should be in order to impart basic concepts of mathematics.
2. It is suggested that MATLAB shall be offered as a 1 credit course. Hence, Mathematics Syllabi in Semesters I and II shall be revised on par with Anna University syllabi.
3. The missing topics (Differential Calculus) in Linear Algebra and Calculus will be taught as 1 credit course for the current batch (i.e. Sem 1- 2018-19 batch) in Semester 2. From the academic year 2019-20 onwards these missed topics will be included in the syllabus.
4. For Semester II, an additional topic on Complex Integration is to be included in the syllabus of U18MAI2201 from the current semester.
5. In U18MAT4101 – Numerical Methods and Probability, total number of hours allotted for the topic on Probability should be reduced to 12 teaching hours and Numerical solution of partial differential Equations shall be included under Numerical Methods.
6. Three Open Elective Courses U18MAOE01, U18MAOE02 and U18MAOE03 were approved.
7. All current PG Syllabi were discussed.
8. Suggestions were given to include some reference books which include Bezier Curves, Formal Languages, Singular value decomposition for PG courses.

Dr. M Venkatesan, Prof. and Controller of Examination, Anna University, Chennai,

Dr. S Marshal Anthoni, Associate Prof., Regional Centre, Coimbatore

Mr. Arun Prakash, SRG, PSG Tech, Coimbatore

Dr. J Senthil, Principal, KCT

Ms. K Maheswari, Head (i/c) Mathematics, KCT



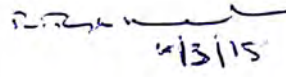
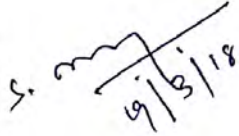
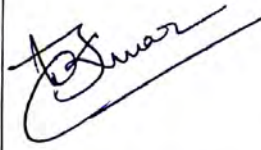
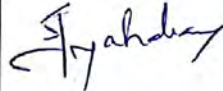
Dr. P Devaki, Head – S&H, KCT

Dr. Vijay Prakash, COE, KCT

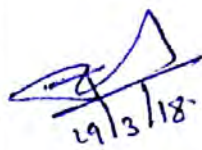
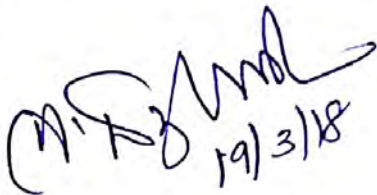
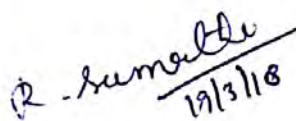

Dr. A Vimal, COE, KCT

KUMARAGURU COLLEGE OF TECHNOLOGY, COIMBATORE – 49
BOARD OF STUDIES MEETING OF THE FACULTY OF SCIENCE AND
HUMANITIES (Mathematics) HELD ON 19.03.87 AT 10.00AM

ATTENDANCE

S. No.	Name & Address	Signature
1.	Dr. P. Devaki Professor & Head, Department of Science and Humanities, Kumaraguru College of Technology Coimbatore – 641049.	
2.	Dr. M. Venkatesan, Professor – Dept. of Mathematics, CEG Campus, Anna University, Chennai.	 19.3.87
3.	Dr. R. Rajendran Associate Professor, GCT, Coimbatore	 13/15
4.	Dr. S. Marshal Anthoni, Associate Professor, Dept. of Mathematics, Anna University, Regional Center, Coimbatore.	 19/3/87
5.	Mr. C. Kumar, President and CEO, eNOVA Software and Hardware PVT Ltd, Coimbatore	
6.	Dr. T. Arunachalam Professor Department of Science and Humanities Kumaraguru College of Technology Coimbatore – 641049.	

7.	Ms.K.Maheswari Assistant Professor Head i/c Mathematics, Kumaraguru College of Technology Coimbatore – 641049.	<i>Maheswari</i> 19/3/18.
8.	Dr. Vijaya Prakash COE i/c, Kumaraguru College of Technology Coimbatore – 641049.	<i>Vijaya Prakash</i> 19/3/18
9.	Dr. R.Marudhacalam Associate professor, Department of Science and Humanities, Kumaraguru College of Technology, Coimbatore – 641049.	<i>R. Marudhacalam</i> 19/3/18
10.	Ms.S.Sivasakthi, Assistant Professor(SRG), Department of Science and Humanities, Kumaraguru College of Technology, Coimbatore – 641049.	<i>S. Sivasakthi</i> 19/3/18
11.	Dr.S.Selvanayagi, Assistant Professor(SRG), Department of Science and Humanities, Kumaraguru College of Technology, Coimbatore – 641049	<i>S. Selvanayagi</i> 19/3/18.
12.	Dr.K. Meena Assistant Professor(SRG), Department of Science and Humanities, Kumaraguru College of Technology, Coimbatore – 641049	<i>K. Meena</i>
13	Dr.R.Krishnamoorthy Assistant Professor(II), Department of Science and Humanities, Kumaraguru College of Technology, Coimbatore – 641049	<i>R. Krishna Moorthy</i>

14	Dr. J.Rajasingh Assistant Professor(II), Department of Science and Humanities, Kumaraguru College of Technology, Coimbatore – 641049	 19/3/18
15	Dr.A.Ezhilarasi Assistant Professor(SRG), Department of Science and Humanities, Kumaraguru College of Technology, Coimbatore – 641049	 19/3/18
16	Dr.I.R.Sumathi Assistant Professor I, Department of Science and Humanities, Kumaraguru College of Technology, Coimbatore – 641049	 19/3/18
17	Dr.Vijeta Iyer Assistant Professor I, Department of Science and Humanities, Kumaraguru College of Technology, Coimbatore – 641049	 19/3/18

BOS MEETING - MATHEMATICS DIVISION

VENUE: GANDHIAN STUDY CENTRE

DATE: 19-03-2018

1/3

MINUTES OF THE MEETING

The members of the Board of Studies in Mathematics met on 19-03-2018 at 10.30AM and discussed on the Syllabi of various Mathematics courses to be offered under Regulations 2018 under CBCS for the B.E./B.Tech. programmes offered at Kumaraguru College of Technology, Coimbatore.

The members suggested to provide the references listed for all the courses with recent year of publication along with the details of editions and publishers.

The ebooks listed for each course may be removed, since there are copyright issues.

The members suggested to maintain the standard of the Regulations, curricula and Syllabi either on par with the standard of affiliated colleges of Anna University or of higher standard.

In addition to the above, the members suggested the following to incorporate in the Syllabi presented on the Courses of Mathematics:

U18MAT1101 Linear Algebra and Calculus

Certain topics which are important on the Functions of Several Variables such as Partial Differentiation, Homogeneous Functions and Euler's theorem, Change of Variables, they may be included in addition to the existing content.

Similar changes may be incorporated in the syllabi of other courses wherever Functions of Several variables are included.

Also it is suggested to provide the contents on the topic Matrices uniformly for all the courses wherever it is included.

U18MAI2201 Matrices and Calculus

- The topics in Functions of Several Variables shall be the same as in U18MAT1101 Linear Algebra and Calculus.

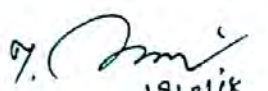
The topics on Laplace Transforms and Inverse Laplace Transforms may be merged and it can be allotted 9 hours. The topic on Multiple Integrals found in 2nd semester U18MAI2201 Vector Calculus and Transforms course meant for the B.E./B.Tech. programmes of CSE, IT, ISE and EIE shall be shifted here.

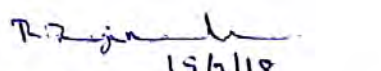
Some exercises on Multiple Integrals may be included as list of experiments.


U18MAT1102 Algebra and Differential Equations

It is suggested to provide the contents on the topic Matrices as in U18MAT1101 Linear Algebra and Calculus.

- The topic Numerical Solution of first order ordinary differential equations may be removed and instead the topics on first order ordinary differential equations and higher order ordinary differential equations may be included. Also it is suggested to include applications related to biotechnology.


19/3/18
(M. VENKATESH)


19/3/18
(R. RAJAN)


(S. MARIMUTHU)


(Maheshwari)



U18MAT1103 Algebra and Calculus

It is suggested to provide the contents on the topic Matrices as in U18MAT1101 Linear Algebra and Calculus.

The topic on Differential and Integral Calculus may be removed since these topics are already studied by the students in the +2 level and the same is taught again in the bridge course.

The topic on First order and Higher order differential equations may be splitted into 2 units namely first order ordinary differential equations and higher order ordinary differential equations.

U18MAT2101 Advanced Calculus and Laplace Transforms

The title of the course may be changed from **Advanced Calculus and Laplace Transforms** to **Advanced Calculus and Complex Variables**.

In Vector Calculus, the topic on Simple Applications involving cubes and rectangular parallelopeds may be replaced by Verification of the theorems and simple applications.

U18MAT2201 Vector Calculus and Transforms

The topic on Multiple Integrals may be deleted.

The topic on Vector Calculus may be replaced by Vector Differentiation since all the topics under this title are only on Vector Differentiation.

In Vector Calculus, the topic on Simple Applications involving cubes and rectangular parallelopeds may be replaced by Verification of the theorems and simple applications.

The topic on Fourier Transforms may be included with the following sub-topics:


Fourier Integral Theorem – Representation of Functions – Infinite Fourier transforms – Sine and Cosine Transforms – Properties – Transforms of simple functions – convolution theorem – Parseval's identity.

U18MAT2102 Advanced Calculus and Numerical Methods

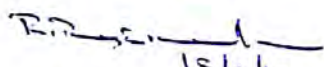
In Vector Calculus, the topic on Simple Applications involving cubes and rectangular parallelopeds may be replaced by Verification of the theorems and simple applications.

The topic on Numerical Solutions of Algebraic Equations may be changed to Numerical Solutions of Equations with the following sub-topics:


Newton-Raphson Method for a Non-linear equation – Solution of linear system of equations by Gauss-Seidel Method.


7. 
19/3/18

(M. VENKATESH)


19/3/18

(R. RATNAVARAN)


C.S. MAGESHWAR ANTHONY


(Maheswari K)



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U18MAT3101 Partial Differential Equations and Fourier Analysis

Fourier Integral Theorem – Representation of Functions – Infinite Fourier transforms – Sine, and Cosine Transforms – Properties – Transforms of simple functions – convolution theorem – Parseval's identity.

The topic Eigenvalues of matrix by Power method may be replaced by Largest eigenvalue by power method.

U18MAT3104 Numerical Methods

Newton-Raphson method for a single equation and a set of nonlinear equation may be replaced by Newton-Raphson method for a nonlinear equation and a system of equations under the topic Numerical Solution of Algebraic Equations.

The topic Eigenvalues of matrix by Power method may be replaced by Largest eigenvalue by power method.

Also included the Gauss-Jacobi method under Numerical Solutions of Algebraic Equations.

The Inverse Interpolation may be replaced by Hermite Interpolation under the topic Curve Fitting and Interpolation.

The Adams-Bashforth predictor-corrector method may be included under the topic on Numerical Solution of ordinary Differential Equations.

U18MAT3106 Numerical Methods and Statistics

The topic on Statistical Measures may be removed and the topic on Probability, random Variables and Distributions may be splitted into two topics namely (i) Probability and Random variables and

(ii) **Standard Distributions.** The sub-topics for these two may be drawn from course on U18MAT4105 Biostatistics.

U18MAT4101 Numerical Methods and Statistics

The topic on Statistical Measures may be removed and the topic on Probability, random Variables and Distributions may be splitted into two topics namely (i) Probability and Random variables and

(ii) **Standard Distributions.** The sub-topics for these two may be drawn from course on U18MAT4105 Biostatistics.

U18:MAT4103 Operations Research

The topic on Inventory and Queueing Theory may be splitted into two topics namely (i) Inventory Control and (ii) Queueing Theory

U18MAT4105 Biostatistics

Under Non-parametric tests, the sub-topic Run test may be included.

7. *[Signature]*
19/3/16
(M. YENKATESAN)
[Signature]
(Maheswari, K)

19/3/18
[L. V. Z. E. V. E. V.]

S. my.
(S. maderator anthoni)

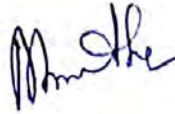
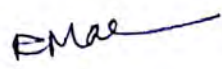

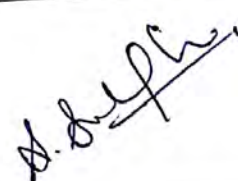
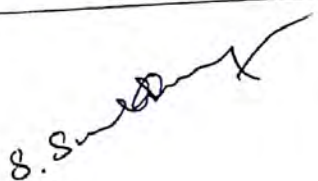
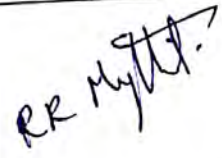

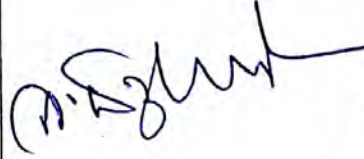




KUMARAGURU COLLEGE OF TECHNOLOGY,
COIMBATORE - 49

BOARD OF STUDIES MEETING - MATHEMATICS
HELD ON 12.07.2017 AT 10.00AM

ATTENDANCE SHEET

S. No.	Name & Address	Signature
1.	Dr. P.Devaki Professor & Head Department of Science and Humanities Kumaraguru College of Technology Coimbatore - 641049. (Chairman)	
2.	Dr. T. Arunachalam Professor of Mathematics Department of Science and Humanities Kumaraguru College of Technology Coimbatore - 641049. (Convener)	
3.	Dr. K.S.Ramaswami Professor and Head Department of Mathematics Coimbatore Institute of Technology Coimbatore-641014 (University Nominee)	
4.	Dr.C.Kumar President and CEO eNova Software and Hardware Solutions Pvt Ltd 545 Sathy Main Road Kurumbapalayam Coimbatore-641107 (Industrial Representative)	
5.	Mr. K. Mahesh [B.E Civil Engineering (2004-2008)] (Alumini) Managing Partner Sree Krishna Floors and Pavers 377/1, Trichy Main Road Ondipudhur Coimbatore	

6.	Dr.A.Santha Associate Professor in Mathematics Department of Science and Humanities Kumaraguru College of Technology Coimbatore – 641049.	(Internal member)	
7.	Dr. R. Marudhachalam Assistant Professor -III in Mathematics Department of Science and Humanities Kumaraguru College of Technology Coimbatore – 641049.	(Internal member)	
8.	Mrs. S. Sivasakthi Assistant Professor (SRG) in Mathematics Department of Science and Humanities Kumaraguru College of Technology Coimbatore – 641049.	(Internal member)	
9.	Dr. S. Selvanayagi Assistant Professor (SRG) in Mathematics Department of Science and Humanities Kumaraguru College of Technology Coimbatore – 641049.	(Internal member)	
10.	Mr. S. Sureshkumar Assistant Professor (SRG) in Mathematics Department of Science and Humanities Kumaraguru College of Technology Coimbatore – 641049.	(Internal member)	
11.	Mrs. R.R.Mythili Assistant Professor in Mathematics Department of Science and Humanities Kumaraguru College of Technology Coimbatore – 641049.	(Internal member)	
12.	Dr.K.Meena Assistant Professor (SRG) in Mathematics Department of Science and Humanities Kumaraguru College of Technology Coimbatore – 641049	(Internal member)	
13.	Ms. A.Ezhilarasi Assistant Professor II Department of Science and Humanities Kumaraguru College of Technology Coimbatore – 641049.	(Internal member)	

14.	Dr. RajaSingh Assistant Professor II Department of Science and Humanities Kumaraguru College of Technology Coimbatore – 641049.	(Internal member)	
15.	Dr. R. Krishnamoorthy Assistant Professor II Department of Science and Humanities Kumaraguru College of Technology Coimbatore – 641049.	(Internal member)	
16.	Mr. Arun Prasath	(Special Invite)	

BOS MEETING - MATHEMATICS DIVISION

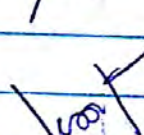
- * Dr. P. Devaki, Professor & Head of the Dept., welcomed the BOS external members - Dr. K. S. Ramaswami, Prof & Head, CIT, Dr. C. Kumar (Industrial Rep), Mr. K. Mahesh (Alumni).
- * Dr. T. Arunachalam, Coordinator, Dr. A. Santha Mathematics division welcomed the gathering followed by the discussion on curriculum, syllabus for various branch papers to be handled under R-17 Regulations.
- * The highlights of the discussions are as follows:
 - 1) Latest Editions to be updated in the references of all branch papers.
 - 2) References to be related with their specific streams of branches.
 - 3) Minimum two textbooks to be included along with the references. (UG level)
 - 4) Suggestion to modify the title of the paper 'Smart Calculus & Transform Techniques for Engg' and to include a reference of Mendel.
 - 5) Case studies should be application oriented using models in industries.
 - 6) Revise Higher Order linear Differential Equations

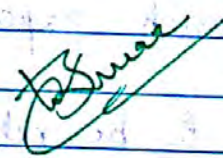
with inclusions of Simultaneous Equations and SHM (Simple Harmonic Motion) & Orthogonal trajectories in first order.

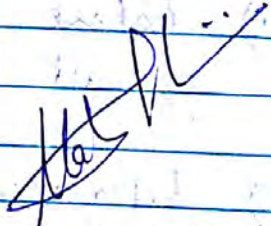
7) Three open electives have been passed in this BOS meeting.

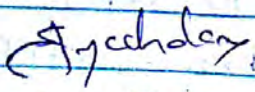
8) Suggestions for rearranging the topics in 'Mathematics for Computer Applications' for MCA has also been given by BOS experts.

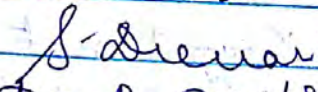
9) Dr. T. Arunachalam, Professor, Mathematics dept, Kumaraguru College of Tech greeted the BOS experts and assured for the possible changes.


Dr. K. S. Ramaswami
Professor & Head
Dept of Mathematics.
Coimbatore Institute of Technology
CBE - 14

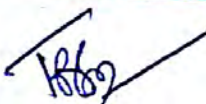

Dr. C. Kumar
President & CEO
eNova Software
CBE - 07.


Mr. K. Mahesh
Managing Partner
Sree Krishna Floors
& Pavements
CBE.


Dr. T. Arunachalam
Professor of Mathematics
Dept. of Mathematics (S&H)
Coimbatore - 49


Dr. P. Dorairaj
Professor & Head (S&H)
KCT
Coimbatore - 49

Coordinator
Autonomous / COE



Principal



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and
Accreditation Council)

GRADE
A++

School of Foundational Sciences – Physics



KUMARAGURU

COLLEGE OF TECHNOLOGY

NAAC (National Assessment and Accreditation Council)

GRADE
A++

Department of Physics

Sl. No.	Date of Board of Studies meeting
1.	04.05.2023
2.	25.01.2023
3.	08.07.2022
4.	24.12.2021
5.	21.06.2021
6.	20.11.2020
7.	20.07.2019
8.	28.03.2018



KUMARAGURU
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MINUTES OF BOARD OF STUDIES MEETING

Department: Department of Physics

Program: BE/B.Tech

Venue: Online (Through MS Teams)

Date: 04/05/2023

Time: 10.00 am to 11.00 am

1. Welcome note and introduction of members by chairperson

Dr.H. Arul, HoD, Dept. of Physics welcomed the Anna University nominee, Subject Experts, Industry Expert and Alumni Member to the BOS meeting May 2023.

Dr. H. Arul proposed the PhD coursework papers for the approval from panel.

2. Curriculum - balance of courses as per domain, pre-requisites

Suggestions by Members: References related to smart materials can be modified as per the requirement. Physical methods of nanomaterials synthesis could be included along with wet chemical process for various nanostructured materials. Advanced techniques related to spectroscopy and microscopy can be included in the syllabus with related inferences for real time case samples.

3. Faculty and support faculty development / training

Members recommended training of faculty in the various areas of teaching learning process and other online portals such as NPTEL, Coursera to improve their research and subject knowledge. Orientation towards NEP can be provided to align with national development

(Dr. M. Ashok)
Anna University
Nominee

(Dr. K.G. Suresh)
Subject Expert

(Dr. N. Muthukumarasamy)
Subject Expert

M. Deepa Venkatesh
Industrial Expert

(Karthik Murugesan)
Alumni member

HOD/SFS

Dr. H. Arul
HoD, Physics

Capt. A.R. Arul
BOS coordinator

Date

BoS Coordinator

Venue

The following course work papers has been approved by the panel.

P18PHT0001 – Research Methodology Science and Humanities

P18PHT0002 – Advanced Materials Characterization Techniques

P18PHT0003 – Synthesis of Nanomaterials

P18PHT0004 - Advanced Materials Science


P18PHT0005 – Smart Materials

P18PHT0006 – Crystal Growth and Kinetics

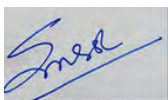
P18PHT0007 – LASER and Optical NDT Techniques



(Dr. M. Ashok)
Anna University
Nominee


M. Deepa Venkatesh

Industrial Expert

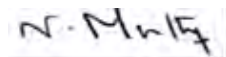


(Dr. K.G. Suresh)

Subject Expert



(Karthik Murugesan)
Alumni member



(Dr. N. Muthukumarasamy)

Subject Expert



HOD/SFS



Dr. H. Arul
HoD, Physics



Capt. A.R. Arul
BOS coordinator



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MINUTES OF BOARD OF STUDIES MEETING

Department: Department of Physics

Program: BE/B.Tech

Venue: Online (Through MS Teams)

Date: 25/01/2023

Time: 11.00 am to 12.00 noon

1. Welcome note and introduction of members by chairperson

Dr.H. Arul, HoD, Dept. of Physics welcomed the Anna University nominee, Subject Experts, Industry Expert and Alumni Member to the BOS meeting 2023.

2. Curriculum - balance of courses as per domain, pre-requisites

Suggestions by Members: A minor specialization course on Adaptive Optics was proposed by department of Physics to offer during the next academic year. Members suggested to incorporate topics on Bio-photonics, Geometrical optics, and LASER instrumentation.

3. Syllabus - updation and relevance to industrial, career requirement

Courses on Renewable energy aspects related to Energy literacy awareness, Photovoltaics design system and Battery management system. Industry expert suggested to have courses on simulation content to understand various aspects of Engineering Physics.

4. Course Delivery - Mode and effectiveness

Suggestions by Members:

Members have appreciated the efforts taken by Physics faculty to deliver the content in a Problem based learning mode for various modules. Suggestions provided to take up the analytical and problem-solving aspects among the students.

5. Course Assessment - Mode and effectiveness

The Assessment pattern must be continuous evaluated every week. There must be regular interaction with the students in better understanding the concepts. Students must be encouraged to post recorded video of simple concepts and the quiz can be conducted based on multiple choice pattern. Target for CO-PO attainment can be fixed as 65% for the odd semester 2022-23 based on the feedback from various stakeholders.

6. Infra requirement, upgradation

Experiments can be upgraded once in three years.

Date

BoS Coordinator

Venue

7. Student's knowledge and skill development for R 2023

Computational physics and Foundations of Quantum computing related papers can be included in the curriculum. Professional and Open elective courses based on faculty specialization and departmental need can be offered. A proposal on new PG diploma in Analytical Instrumentation and Methods has been under preparation.

8. Faculty and support faculty development / training

Members recommended training of faculty in the various areas of teaching learning process and other online portals such as NPTEL, Coursera to improve their research and subject knowledge.

9. Faculty qualification/ specialisation - recommendation

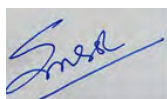
Expert members suggested that the faculty members to develop the specialization in the theoretical physics

10. QP Panel

Members have approved the QP panel proposed by Board chairman.

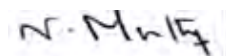


(Dr. M. Ashok)
Anna University
Nominee



(Dr. K.G. Suresh)

Subject Expert



(Dr. N. Muthukumarasamy)

Subject Expert



M. Deepa Venkatesh

Industrial Expert



(Karthik Murugesan)
Alumni member



HOD/SFS



Dr. H. Arul
HoD, Physics



Dr. R. Sengodan
BOS coordinator



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MINUTES OF BOARD OF STUDIES MEETING

Department: Department of Physics

Program: BE/B.Tech

Venue: English Research centre, F- Block

Date: 08/07/2022

Time: 11.00 am

1. Welcome note and introduction of members by chairperson

Dr.H. Arul, Hod of Physics, Introduce the Anna University nominee, Subject Experts, Industry Expert and Alumni Member to the BOS meeting.

2. Curriculum - balance of courses as per domain, pre-requisites

Suggestions by Members: Nil

Reason: High School Education

3. Syllabus – Update and relevance to industrial, career requirement

The content of the following syllabi was presented

New courses

1. U22PHT1001- Engineering Physics
2. U22PHIP0501 - Physics laboratory
3. U22PHT2001- Surface Engineering of Materials (Common to AE, AUE and ME)
4. U22PHT2002 - Instrumentation for Biotechnology
5. U22PHT2003 - Applied Physics for Civil Engineering
6. U22PHT2004- Quantum Physics for Computation (Common to (AI&DS, CSE, IT)
7. U22PHT2005 - Materials Science for Electronics Engineering (Common to ECE, EEE, E&I and MCE)
8. U22PHT2006 - Applied Physics (Common to Textile and Fashion Technology)

Existing One Credit Course:

1. U22PHC0301 – Solar Photovoltaics
2. U22PHC0302 – Holography Photonics in Engineering

M. Ashok

N. Muthu

Date

BoS Coordinator

Venue

Existing Open elective Course:

1. U22PHO0001 – Introduction to Nano technology
2. U22PHO0002 – Research scope for nanomaterials
3. U22PHO0505 – A practical course on Laser and Photonics in Engineering Applications
4. U22PHO0003 – Plasma Applications Engineering and Technology
5. U22PHO0004 – Smart Materials: Need of the Hour for Renewable Energy Resources
6. U22PHO0006 – Insights into Materials for Engineering Applications.

Existing PhD course work:

1. P22PHT001 – Research Methodology Science and Humanities
2. P22PHT002 – Advanced Materials Characterization Techniques.
3. P22PHT003 – Synthesis of nano materials
4. P22PHT004- Advanced Materials Science
5. P22PHT005 – Smart Materials
6. P22PHT006 – Crystal Growth and Kinetics
7. P22PHT007 – Laser and Optical NDT Techniques

Suggestions by Members:

Engineering Physics (U22PHT1001):

- Module I Crystal Physics- The content can be reduced to 9 hours. The diffraction and Laue methods can be moved to the Non-destructive testing. Bridgman and Czochralski techniques may be used if needed.
- Module II Laser Physics- Remove the Dye laser and He-Ne laser content.
- Module IV Non-Destructive testing- Rearrange the contents in the order of Ultrasonics followed by materials testing methods

M. Ashok

S. Muly

Date

BoS Coordinator

Venue

U22PHP0501 - Physics laboratory:

- For better student understanding, try to incorporate theory components in conjunction with lab experiments. Students can learn and develop a simulation application to carry out the experiment.
- For laboratory practice, Program Outcome 9 can be included in CO-PO mapping.

U22PHT2001- Surface Engineering of Materials (Common to AE, AUE and ME):

The course title can be redefined much relevant to the content as composites / Materials & coating etc

U22PHT2002 - Instrumentation for Biotechnology:

Atomic Force Microscopy should be included in the thermal and structural analysis module. The content distribution must be consistent across all modules. Biomaterials-specific topics can be included.

U22PHT2003 - Applied Physics for Civil Engineering:

Sabines formula can be qualitatively included in Acoustics. Reduce the content to ensure that it is evenly distributed across all modules. Include Glass Fibre Mesh in New Engineering Materials.

U22PHT2004- Quantum Physics for Computation (Common to (AI&DS, CSE, IT):

The content is higher for students to comprehend. The topics can be divided into modules and simplified. Nanodevices and applications are the last two modules that can be removed.

U22PHPO0006 – Insights into Materials for Engineering Applications.:

Remove the content of dispersion, refractive index and white LED from optical properties of materials and Include Coatings content instead of Dielectric materials

M. Ashok

N. Muly

Date

BoS Coordinator

Venue

4. Course Delivery - Mode and effectiveness

Suggestions by Members:

Members have appreciated the efforts taken by Physics faculty to deliver the content in an effective manner. More utilization of ICT tools for explaining subject concepts were highly encouraged.

5. Course Assessment - - Mode and effectiveness,

Suggestions by Members: Nil

6. Infra requirement, upgradation

Suggestions by Members: Experiments can be upgraded once in two years

7. Student's knowledge and skill development

Suggestions by Members:

Laboratory practices can be enhanced by utilizing student engagement.

8. Faculty and support faculty development / training

Suggestions by Members:

Members recommended training of faculty in the various areas of teaching learning process and other online portals such as NPTEL, MOOC courses to improve their research and subject knowledge.

9. Faculty qualification/ specialisation - recommendation

Suggestions by Members: Nil

M. Ashok

N. Muly



MINUTES OF BOARD OF STUDIES MEETING

Department: Department of Physics

Program: BE/B.Tech

Venue: Online (Through MS Teams)

Date: 24/12/2021

Time: 3.00 – 3.30 pm

1. Welcome note and introduction of members by chairperson

Dr.H. Arul, HoD, Dept. of Physics, Introduce the Anna University nominee, Subject Experts, Industry Expert and Alumni Member to the BOS meeting 2021.

2. Curriculum - balance of courses as per domain, pre-requisites

Suggestions by Members: Nil

Reason: High School Education

3. Syllabus - updation and relevance to industrial, career requirement

Approval provided for Bridge course, U18PHT0004 – Foundational Physics for Engineers

4. Student's knowledge and skill development for R 2022

Appreciated the efforts taken to include value added course on Renewable energy and its related areas. Few other research areas such as Nanotechnology, Adaptive optics and Photonics can be introduced in the future. Computational physics and Foundations of Quantum computing related papers can be included in the curriculum.

(Dr. M. Ashok)
Anna University
Nominee

(Dr. K.G. Suresh)
Subject Expert

(Dr. N. Muthukumarasamy)
Subject Expert

M. Deepa Venkatesh
(Karthik Murugesan)

Dr. H. Arul
HoD, Physics

Dr.R. Sengodan
BOS coordinator



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MINUTES OF BOARD OF STUDIES MEETING

Department: Department of Physics

Program: BE/B.Tech

Venue: Online (Through MS Teams)

Date: 21/06/2021

Time: 11.00 am to 12.30 pm

1. Welcome note and introduction of members by chairperson

Dr.H. Arul, HoD, Dept. of Physics, Introduce the Anna University nominee, Subject Experts, Industry Expert and Alumni Member to the BOS meeting 2021.

2. Curriculum - balance of courses as per domain, pre-requisites

Suggestions by Members: Nil

Reason: High School Education

3. Syllabus - updation and relevance to industrial, career requirement

In the one credit course and open elective syllabus, description and objectives can be rephrased based on the prescribed titles.

Typographical errors can be rectified.

Experts suggested to revise the latest version of all the referred textbooks in the syllabus and recommended to use standard publishers' textbooks.

Industrial expert appreciated the inclusion of an open elective paper based on NDT. They have also suggested to incorporate few computational related things.

4. Course Delivery - Mode and effectiveness

Suggestions by Members:

Members have appreciated the efforts taken by Physics faculty to deliver the content in an effective manner. Problem solving and analytical ability can be focused during the lecturing. Course contents shall be designed in such a way for better understanding towards the students.

5. Course Assessment - Mode and effectiveness

The Assessment pattern for online mode must be continuous evaluated every week. There must be regular interaction with the students in better understanding the concepts. Students must be encouraged to post recorded video of simple concepts and the quiz can be conducted based on multiple choice pattern.

Date

BoS Coordinator

Venue

6. Infra requirement, upgradation

Experiments can be upgraded once in three years

7. Student's knowledge and skill development for R 2022

Appreciated the efforts taken to include value added course on Renewable energy and its related areas. Few other research areas such as Nanotechnology, Adaptive optics and Photonics can be introduced in the future.

Computational physics and Foundations of Quantum computing related papers can be included in the curriculum.

8. Faculty and support faculty development / training

Members recommended training of faculty in the various areas of teaching learning process and other online portals such as NPTEL, Coursera to improve their research and subject knowledge.

9. Faculty qualification/ specialisation - recommendation

Expert members suggested that the faculty members to develop the specialization in the theoretical physics

10. QP Panel

Members have approved the QP panel proposed by Board chairman.

11. Implementation of NEP.

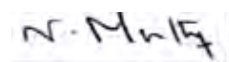
Prof. K.G. Suresh have suggested to contact Prof. B.N. Jagathap, IIT Bombay for getting inputs towards implementing NEP at our institute.



(Dr. M. Ashok)
Anna University
Nominee



(Dr. K.G. Suresh)
Subject Expert



(Dr. N. Muthukumarasamy)
Subject Expert



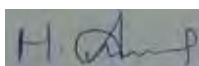
M. Deepa Venkatesh
Industrial Expert



(Karthik Murugesan)
Alumni member



HOD/SFS



Dr. H. Arul
HoD, Physics



Dr. R. Sengodan
BOS coordinator



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MINUTES OF BOARD OF STUDIES MEETING

Department: Department of Physics

Program: BE/B.Tech

Venue: Online (Through MS Teams)

Date: 20/11/2020

Time: 11.00 am to 12.30 pm

1. Welcome note and introduction of members by chairperson

Prof. M. Ezhilarasi, HoD, School of foundational sciences, welcomed the Anna University nominee, Subject Experts, Industry Expert and Alumni Member to the BOS meeting 2020.

Dr.H. Arul, HoD, Dept. of Physics, introduce the Anna University nominee, Subject Experts, Industry Expert and Alumni Member to the BOS meeting 2020.

2. Curriculum - balance of courses as per domain, pre-requisites

Suggestions by Members: Nil

Reason: High School Education

3. Syllabus - updation and relevance to industrial, career requirement

Suggestions by Members:

In the syllabi, the Applied optics module appears to be lengthy, it could be modified in the near future

Typographical errors can be rectified.

In Acoustics module, instead of basic terms, specific topics relevant to the topics can be added.

Experts suggested to revise the latest version of all the referred textbooks in the syllabus and recommended to use standard publishers' textbooks.

In the syllabus, course outcome mapping is extended to program outcome 3 & 4 which is related to design and complex research problems. It will be better limited to program outcome 1 & 2. To analyse and finalize it.

Expert members strongly recommended to include solid state physics topics like semiconductor, dielectric and magnetic materials in the syllabus as it is highly demanded in the current scenario.

Industrial expert suggested to add few contents like viscosity, streamline flow and turbulent flow in the module Properties of matter, as it concentrates more on elasticity only and to add topics like Radiology in modern physics

In Advanced physics paper, more basics term and problem solving for each module can be included and it is found to be lengthy to complete within stipulated time. Revisions can be made in near future.

Value added one credit course is a flipped mode of learning based on coursera and NPTEL for a specific set of students. Experts suggested for local field visit for a better learning experience to the students to inculcate concept exposure on Solar Photovoltaics. To establish small scale lab like Dye sensitized solar cell for small applications. To collaborate with Industry expert in the domain for best results. Basics concepts, Energy calculations can be included in the syllabus. Practical experiments can be incorporated.

In the Physics lab experiment syllabus, Remove the term Luxmeter and rephrase as Determination of Efficiency of Solar cell or Characteristics of Solar cell.

It has been planned to conduct five to six experiments virtually and the remaining practically.

Once the students regularly to the college, subtle explanation will be given for all the experiments.

4. Course Delivery - Mode and effectiveness

Suggestions by Members:

Members have appreciated the efforts taken by Physics faculty to deliver the content in an effective manner. More utilization of ICT tools for explaining Applied physics concepts were highly encouraged.

5. Course Assessment - Mode and effectiveness

Suggestions by Members:

The Assessment pattern for online mode must be continuous evaluated every week. There must be regular interaction with the students in better understanding the concepts. Students must be encouraged to post recorded video of simple concepts and the quiz can be conducted based on multiple choice pattern.

6. Infra requirement, upgradation

Suggestions by Members: Experiments can be upgraded once in three years

7. Student's knowledge and skill development

Suggestions by Members:

Appreciated the efforts taken to include value added course on Renewable energy and its related areas. Few other research areas such as Nanotechnology, Adaptive optics and Photonics can be introduced in the future.

8. Faculty and support faculty development / training

Suggestions by Members:

Members recommended training of faculty in the various areas of teaching learning process and other online portals such as NPTEL, Coursera to improve their research and subject knowledge.

9. Faculty qualification/ specialisation - recommendation

Suggestions by Members:

Expert members suggested that the faculty members to develop the specialization in the theoretical physics

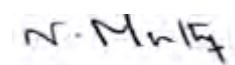


(Dr. M. Ashok)
Anna University
Nominee



(Dr. K.G. Suresh)

Subject Expert



(Dr. N. Muthukumarasamy)

Subject Expert



M. Deepa Venkatesh


Industrial Expert



(Karthik Murugesan)
Alumni member



Dr. M. Ezhilarasi
HOD/SFS



Dr. H. Arul
HoD, Physics



Dr. R. Sengodan
BOS coordinator



KUMARAGURU COLLEGE OF TECHNOLOGY, COIMBATORE -641 049.
Department of Science & Humanities (Physics Division)

Revision History for Syllabus

Programme:

S. No.	Regulation / Semester	Co. In. Course Title	Modifications Done	Rationale for the modification	Modified By (Module Coord./ BOS Convener/ Course faculty name)	Reviewed By (Prag. Coord./ BOS Convener/ Date)	Authorized By (BOS Chairman/ BOS Member)	W.e.f. (date)	To be ratified by BOS after final	Approved by Chairman Academic Council
1	R18	U18 PHI1201/ U18PHI2201 Engineering Physics	1. MODERN PHYSICS 2. APPLIED OPTICS 3. ACOUSTICS AND ULTRASONICS	To change the topics of the course in such a way that it covers the broader areas such as modern physics, applied optics, acoustics and ultrasonics which is relevant to almost all engineering applications.	Module Coordinator / 25-03-2019	BOS Convener	BOS Chairman	1 st August 2019	NO	
2			Course code has been modified as U18PHI1202/ U18PHI2202							

Please attach:

- 1) Cover note for proposed changes
- 2) Old Syllabus & revised syllabus (highlight changes)

R. Senthil
20/7/19
Course Co-ordinator
(Dr. R. G. Senthil Kumar
AP / Phy)
[Signature]
Chairman / Bos

[Signature]
20/7/19
BOS Co-ordinator
(Dr. K. Suganathan)
AP / Phy

H. Arul
20/07/19
Head In-charge / Physics

[Signature]
Principal

Dr. H. ARUL, M.Sc., Ph.D.,
Assistant Professor and Head / In. Physics Division
Department of Science and Humanities,
Kumaraguru College of Technology,
Chinnavedampatti, Coimbatore-641 049.

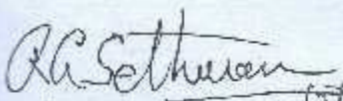
Dr. J. SENTHIL, Ph.D.,
PRINCIPAL


Kumaraguru College of Technology
Coimbatore - 641 049.

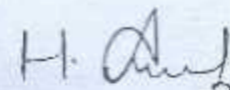
Cover note for proposed changes

Changes made in the U18PHI1201/U18PHI2201 - Engineering Physics syllabus (For students admitted from 2019 - 2020 onwards)

1. During course committee meeting, syllabus content of Engineering Physics was discussed elaborately.
2. Faculty requested to change the syllabus as it has focused on the more fundamental concepts rather than engineering and technology oriented topics.
3. For the above mentioned course, faculty members requested for replacement of the topics in the earlier syllabus such as kinematics & rigid body motion, electrostatics & magnetostatics and new engineering materials and nano technology.
4. Hence, the above mentioned topics are replaced with modern physics, applied optics, acoustics and ultrasonics.
5. This revised syllabus is applicable to the students admitted from 2019-2020 academic year onwards.
6. Course code has been modified as **U18PHI1202/U18PHI2202**

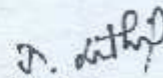

Course Co-ordinator 20/7/19
(Dr. R. G. Senthuraman
AP/Phy)


BoS Co-ordinator
(Dr. K. Sugandhi
AP/Phy)


Head In-charge / Physics 20/07/19

Dr. H. ARUL, M.Sc., Ph.D.,
Assistant Professor and Head of Physics Division
Department of Science and Humanities,
Kumaraguru College of Technology,
Chinnaveedampatti, Coimbatore-641 049.


Chairman / Bos


Principal

Dr. J. SETHU, Ph.D.,
PRINCIPAL
Kumaraguru College of Technology
Coimbatore - 641 049.

BOS MEETING (PHYSICS)

DATE : 28/3/18.
TIME : 10.00 AM.

VENUE : EXAM CELL

MINUTES OF THE MEETING :

- * Dr. V. Raju, President KCT and Dr. P. Devaki, Head of the Department Commenced the Board of Studies Meeting by Welcoming the Panel members & Faculty.
- * Dr. N. Soreya Narayanan, Associate Professor & Head, GCT Coimbatore
- * Mr. Venkatachalam, Outreach Engineer & Mr. Vigneebharanahalan, Senior Scientist, CITRA, our KCT alumni are the external members participated in BOS meeting.
- * President suggested to come out with One common paper with more applications useful for Engineering applications.
- * With the Input of External, insisted to go high level. Content in the Syllabus for Enhancing knowledge.
- * With the Context of the Syllabus, Students helps to understand the concept easily.
- * Fundamentals ^{any physics} Strong helps the Students are to understand the concepts for more applications.

* External \rightarrow Syllabus will satisfy only the Cml & EEE dept. No scope for Electrical & Electronics dept

* President \rightarrow To ^{decrease} increase the Content for each 1 - 4 module. & to add other concepts unique for all depts in Common.

* To introduce engg clinic. Each program can have separate course to satisfy needs

* Students fail in physics & chemistry,

* to cut off more hours in 1 to 4 module and to add content to satisfy each dept requirement in

* 1 - 4 module - 3hr each. & to utilize and increase hours in other module

* External \rightarrow 1 paper Common in 1st sem & to have compulsory paper in all other depts
- open elective \rightarrow to choose student for extra knowledge.

President
Supported as/physics based course paper could
option be introduced in future.

* Introduce 4 hr - 3hr each

* Material Science in a trial need be all
Eg: Common \rightarrow Expert

* Introduce 3 modules as basic & other
modules to specify as per the Engg dept

\rightarrow 2 module - Common (already studied
in 11 & 12th std)

~~Qualitative paper~~
 \rightarrow Enough applications for appropriate depth

* 1 - 4 Introductory Part - 3hrs.
Remain 12 hrs \rightarrow individual dept requirement

* ^{Ext} Not repetition of 11 & 12th std
content

* 4 - module - 3hr \rightarrow material science ^{required}

^{pendent}
* 1 - 4. (based on follow up material
in 11 & 12th) high school

* To include appropriate module on materials
Science

* \rightarrow materials

4 more modules remaining could
be utilized for program specific
or Common Cluster

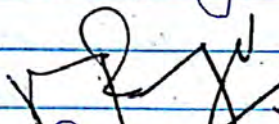
* After corrections send to external
members

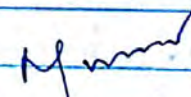
* Physics to be utilized for more
applications

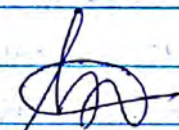
* The Course Work papers of physics for the
partial fulfillment for the award of Ph.D. and
the syllabus are also discussed

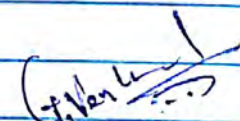
Recommendation:

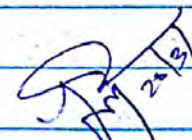
- (1) First four modules has to be upgraded as per the higher education content as the introduction part
- (2) To include an appropriate module on Materials impact with the branches.
- (3) The remaining 4 modules can be utilized for programme specific.
- (4) Basic Concepts for 4 Modules.
- (5) Approval from the authorities after framing the Syllabus.

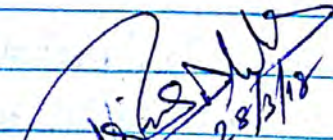

President, KCT

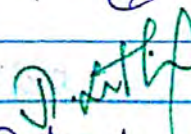

Anna University
Nominee


HOD / STH


Industrial Expert


COE


Alumni


Principal



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and Accreditation Council)

GRADE
A++

School of Foundational Sciences – Chemistry



KUMARAGURU

COLLEGE OF TECHNOLOGY

NAAC (National Assessment and Accreditation Council)

GRADE
A++

Department of Chemistry

Sl. No.	Date of Board of Studies meeting
1.	03.02.2023
2.	24.06.2022
3.	21.12.2021
4.	21.06.2021
5.	23.11.2020
6.	01.12.2018
7.	19.03.2018



MINUTES OF BOARD OF STUDIES MEETING

Department: Chemistry/ SFS

Program: B.E / B.Tech.

Venue: Online – Virtual mode

Date: 03.02.2023

Time: 2.30 PM – 3.45 PM

AGENDA OF BOARD OF STUDIES MEETING

S.No	Time	Agenda	
1	2.30 pm	Welcome Address and Context setting for the meeting	Dr. K.R. Aranganayagam, Chairperson & HOD Department of Chemistry
2		Presentation of previous meeting minutes and action taken and DAB meeting minutes	
3	2.40 pm - 3.40 pm	Presentation and deliberation on Bridge Course Syllabus Engineering Chemistry Syllabus Teaching Pedagogy Assessment Methods Beyond class / syllabus with regards to knowledge and/or skill updating Identifying area for faculty and support faculty training	Dr. Shoba U.S. BOS coordinator
		Suggesting augmentation of infrastructure - laboratory equipment by committee members.	
3		Presentation and deliberation on Environmental Science and Engineering Syllabus	Dr. Mayildurai R
4		Ratification of the ongoing Edge course and approval of Edge course	Dr. K. Kalapriya
5		Suggestions	BOS external members
6	3.41 pm	Any other matter with the permission of the chairperson	
7	3.45 pm	Concluding remarks	Chairperson.

**MINUTES OF BOARD OF STUDIES MEETING****Department: Chemistry/ SFS****Program: B.E / B.Tech.****Venue: Online – Virtual mode****Date: 03.02.2023****Time: 2.30 PM – 3.45 PM****1. Welcome Note**

The Chairperson of Board of Studies, Dr. K.R. Aranganayagam, Head(i/c), Department of Chemistry, School of Foundational Sciences (SFS) welcomed Dr. P. N. Palanisamy, Anna University Nominee, Dr. N. Rajendran, Dr. R. Karvembu, Subject expert, Mr. Sasi, Alumnus of KCT and Chemistry department faculty members to the 2022-2023 even semester board of studies meeting. He presented the minutes of DAB. He emphasized the role of curriculum and syllabus in imparting knowledge and developing the skills of the students in their domain and presented the minutes of the previous BOS.

2. Curriculum - balance of courses as per domain, pre-requisites

The Board of Studies members suggested to offer a common Engineering Chemistry course in the first semester and branch specific engineering chemistry in the second semester in the upcoming academic years. The subject experts reiterated their previous years suggestions on incorporating Engineering Chemistry course in the curriculum of CSE, IT, ISE and AIDS.

3. Syllabus - updation and relevance to industrial, career requirement

The content of the following syllabi were presented and the suggestions were considered for incorporation

- U18CHI1202/2202- Engineering Chemistry - (Common to all branches - I Year)
- U18CHT3000/4000 – Environmental Science and Engineering (Common to all branches – II Year)
- Bridge Course : Engineering Chemistry
- Sustainable Development Goals (SDG Courses) :
 - Universal Public Health
 - Climate Change: Sustainability And Global Impact

- Open elective courses

S. No	Course Code	Course Title	Faculty Name
1	U18CHO0002	Insights On Environment and Ecology For Competitive Exams	Dr U S Shoba / ASP
2	U18CHO0003	Green Chemistry and Engineering	Dr. K. Kalapriya / AP
3	U18CHO0004	Applications of Nano Engineering Materials	Dr. KR Aranganayagam /AP
4	U18CHO0005	Laser for Engineering Material Processing	Dr. R. Ashokkumar /AP
5	U18CHO0006	Nutrition, Health and Wellness Science	Dr. R. Mahalakshmi /AP-II
6	U18CHO0007	Emerging Environment Technologies	Dr. D. Jalajaa / AP
7	U18CHO0008	Modern Techniques in Solid Waste Management	Mr. R Mayildurai / AP(SRG)
8	U18CHO0009	Thin Films Fabrication and Industrial Applications of Engineering Materials	Mr. K Karthik / AP
9	U18CHO0010	Energy Environment and Society	Ms. K. Rathidevi / AP
10	U18CHO0011	Chemistry of Cosmetics in Everyday life	Dr. S. Jyothi / AP

- PhD Course work Syllabus

Common Paper

P18CHT0001 – Research Methodology

- Elective Papers

P18CHE0001 - Adsorption Studies of Carbon Materials

P18CHE0002 - Applied Environmental Chemistry

P18CHE0003 - Physical Methods in Chemistry

P18CHE0004 - Thermoanalytical Methods

P18CHE0005 - Corrosion Science

Suggestions/Discussions during the meeting:

- The BoS members approved the syllabus without changes for
 1. U18CHI1202 / U18CHI2202 - Engineering Chemistry course
 2. Bridge Course :
U18CHT0005 - Foundational Chemistry For Engineers
(with the clarification on the part of Chemical kinetics.)
 3. U18CHT3000/4000 – Environmental Science and Engineering (Common to all branches – II Year)
 - The incorporation of measurement methodology to understand the effect of reutilising the waste or any prevention measures taken, as suggested by the DAB members were also approved BOS members in U18CHT3000/4000 – Environmental Science and Engineering
- The suggested reference books and textbooks were approved

4. Addition of new Lab experiments in R2018 Courses

- The BOS members were satisfied with the present U18CHI1202L Engineering Chemistry laboratory experiments and instruments available.

5. Teaching Pedagogy - Mode and effectiveness

- In line with the syllabus contents, Problem Based Learning framework methodology for Engineering Chemistry implementation according to National Education Policy was discussed and also the mode of Delivery of content through usage of recorded video lectures, virtual simulation tools and virtual lab experiments were appreciated.

6. Course Assessment - - Mode and effectiveness,

- The method of assessment CAT1, CAT2, Assignment and End semester exam Engineering Chemistry theory, Continuous Assessment, Model, and End Semester for Practical, CAT1, CAT2 and Assignment for Environmental Science and Engineering and course were approved,

7. Stakeholder's feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods

- The BOS members were satisfied with the Mission statements of the department, Teaching, learning and assessment methods

8. Targets for CO / PO for Academic Year 2022-23

- It was presented that the CO attainment for the courses in the academic year 2022-2023 as 70%.

9. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery

- The BOS members were satisfied with the present infrastructure, and with sufficient instruments to conduct the lab. BoS members appreciated with the teaching aids/strategies like Problem Based Learning Framework which are the best practices followed for the content delivery.

10. Student's knowledge and skill development

- The syllabus for Edge courses for Sustainable Goal development for Knowledge and Skill development was reviewed and approved

11. Faculty and support faculty development / training

- Suggestions by Members: If required could go along with the NPTEL courses and other online courses

12. Faculty qualification/ specialisation - recommendation



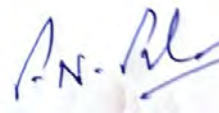

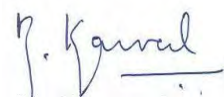
- Satisfied with the qualification of Faculty

13. Best Practices followed in (External) Member's Institutions

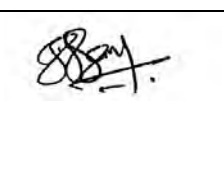
- The regular teaching model using the ICT tools were used in the external member's institution.

The session concluded with Chairperson of BoS, thanking all the members for their suggestions to enhance the content of the syllabi.

Signature of the members of Board of Studies

S.No	Name	Designation as per UGC	Designation / Affiliation with full contact details	
1	Dr. KR Aranganayagam	Chairman	Head of the Department, Department of Chemistry Kumaraguru College of Technology, Coimbatore – 641 049, Tamil Nadu, India Mobile:+91-9843353875	
2	Dr. Shoba U. S.	BOS Coordinator	Associate Professor Department of Chemistry Kumaraguru College of Technology, Coimbatore – 641 049, Tamil Nadu, India Mobile:+91- 9789501519	
4	Dr. P. N. Palanisamy	University Nominee	Professor, Department of Chemistry, Kongu Engineering College (Autonomous) Perundurai, Erode 638060, Tamil Nadu India Mobile:+91-9750264390 E-mail: drpnp@kongu.ac.in ,	
5	Dr. N. Rajendran	Subject Expert	Professor & Head, Department of Chemistry, CEG, Anna University, Chennai -600025, Tamil Nadu India Mobile:+91-9444908426 E-mail: nrajendran@annauniv.edu ,	
6	Dr. R. Karvembu	Subject Expert	Professor, Department of Chemistry National Institute of Technology Trichy-620 015, Tamil Nadu, India Mobile:+91-9442268653 E-mail: kar@nitt.edu ; karvembu@rediffmail.com	
7	Mr. V. Sasi	Alumni Member	Associate Software Engineer, Robert Bosch Engineering and Business Solutions Private Limited, CHIL-SEZ, Keeranatham Village, Coimbatore – 641035 Tamil Nadu, India.	Sasi V

Signature of the Internal members

1	Dr. R. Mayildurai	Internal Member	Assistant Professor III Department of Chemistry Kumaraguru College of Technology, Coimbatore – 641 049, Tamil Nadu, India Mobile:+91- 9842318875	
2	Dr. R. Mahalakshmi	Internal Member	Assistant Professor III Department of Chemistry Kumaraguru College of Technology, Coimbatore – 641 049, Tamil Nadu, India Mobile:+91- 9843776968	
3	Mr. K. Karthik	Internal Member	Assistant Professor II Department of Chemistry Kumaraguru College of Technology, Coimbatore – 641 049, Tamil Nadu, India Mobile:+91-8526799674	
4	Dr. D. Jalajaa	Internal Member	Assistant Professor II Department of Chemistry Kumaraguru College of Technology, Coimbatore – 641 049, Tamil Nadu, India Mobile:+91- 9894687424	
5	Dr. K. Rathidevi	Internal Member	Assistant Professor II Department of Chemistry Kumaraguru College of Technology, Coimbatore – 641 049, Tamil Nadu, India Mobile:+91-8344495999	
6	Dr. K. Kalapriya	Internal Member	Assistant Professor II Department of Chemistry Kumaraguru College of Technology, Coimbatore – 641 049, Tamil Nadu, India Mobile:+91-8940245332	
7	Dr. K. Sampath	Internal Member	Assistant Professor II Department of Chemistry Kumaraguru College of Technology, Coimbatore – 641 049, Tamil Nadu, India Mobile:+91-9894687424	
8	Dr. S. Jyothi	Internal Member	Assistant Professor II Department of Chemistry Kumaraguru College of Technology, Coimbatore – 641 049, Tamil Nadu, India Mobile:+91-9442663877	
9	Dr. R. Ashokkumar	Internal Member	Assistant Professor II Department of Chemistry Kumaraguru College of Technology, Coimbatore – 641 049, Tamil Nadu, India Mobile:+91-9894687424	



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MINUTES OF BOARD OF STUDIES MEETING

Department: Chemistry/ SFS

Program: B.E / B.Tech.

Venue: MAT LAB / F Block

Date: 24.06.2022

Time: 10.00 AM – 12.00 Noon

1. Welcome Note

The meeting of the Board of Studies (BoS) of Department of Chemistry, School of Foundational Sciences was held on 24th June 2022. The meeting was chaired by Dr. K.R. Aranganayagam, Head, Department of Chemistry, School of Foundational Sciences (SFS). The list of participants who attended the meeting is placed at the Annexure – I. The meeting commenced with a word of welcome by Dr. K.R. Aranganayagam. He mentioned about the constitution and functions of Programme Advisory Committee (PAC) and Department Advisory Board (DAB). He presented the minutes of DAB. He enunciated the role of curriculum and syllabus in imparting knowledge and developing the skills of the students in their domain.

2. Action taken report on previous BOS meeting

The Board of Studies members have suggested to include the following topics in the next regulations:

Suggestion: Alternate energy sources viz., solar cells, batteries, fuel cells which plays a crucial role in reducing the resource depletion. Analytical techniques including spectroscopy techniques, green chemistry, and nanotechnology concepts.

Action Taken: The topics were included in the content of the engineering chemistry syllabus for the upcoming regulations.

Suggestion: The members recommended to have a common engineering chemistry course in the first semester and branch specific engineering chemistry courses in the second semester in the forthcoming regulations.

Action report: A common Engineering chemistry course for first semester and cluster specific second semester engineering chemistry course syllabi were prepared and presented in the present BOS meeting.

Suggestion: BOS members recommended to offer Engineering Chemistry course which may include Computational Chemistry concepts to Computer Science and Engineering, Information Technology, Information Science and Engineering and Artificial Intelligence and Data Science students also, to equip them towards involving in the production stream, drug discovery etc.

Action taken: The same was included in the computational chemistry course

3. Introduction of new courses

The following syllabi for the upcoming regulations were presented by Mr K Karthik, BoS coordinator and the same was approved by the Board of Studies.

New Courses:

I year B.E/B.Tech:

Semester I:

U22CHT1001: Engineering Chemistry

U22CHP1001: Engineering Chemistry Laboratory

U22CHC0101: Chemistry in everyday life

Semester II:

U22CHT2001: Applied Chemistry

U22CHT2002: Chemistry for Electrical Engineers

U22CHT2003: Computational Chemistry

U22CHT2004: Chemistry for Biotechnology

U22CHT2005: Chemistry for Textiles

U22CHT2006: Chemistry for Civil Engineering

U22CHP2001: Engineering Chemistry Laboratory

PhD Course work Syllabus:

Common Paper

P22CHT0001 – Research Methodology

Elective Papers

P22CHE0001 - Adsorption Studies of Carbon Materials

P22CHE0002 - Applied Environmental Chemistry

P22CHE0003 - Physical Methods in Chemistry

P22CHE0004 - Thermoanalytical Methods

P22CHE0005 - Corrosion Science

Open elective courses:

U22CHO0001 - Insights on Environment and Ecology for Competitive Exams

U22CHO0002 - Green Chemistry and Engineering

U22CHO0003 - Applications of Nano Engineering Materials

U22CHO0004 - Laser for Engineering Material Processing

U22CHO0005 - Nutrition, Health and Wellness Science

U22CHO0006 - Emerging Environment Technologies

U22CHO0007 - Modern Techniques in Solid Waste Management

U22CHO0008 - Thin Films Fabrication and Industrial Applications of Engineering Materials

U22CHO0009 - Energy Environment and Society

U22CHO0010 - Chemistry of Cosmetics in Everyday life

U22CHO0011 - Analytical Techniques for materials Characterisation

4. Addition of new Lab experiments

The BOS members were satisfied with the present Engineering Chemistry laboratory experiments and instruments available for conducting the lab experiments.

5. Stakeholder's feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods

The BOS members were satisfied with the vision and mission statements of the department, teaching, learning and assessment methods

6. Targets for CO / PO for Academic Year 2022-23

It was presented that the CO attainment for the courses in the AY 2022-2023 as 70%.

7. Approval of panel of examiners for QP Setting / Lab Exams for AY 2022-23

BOS members approved the list of panel members as the examiners for question paper setting for end semester examinations for the academic year 2022-23.

8. Members' recommendations for implementing NEP 2020

The BOS members recommended to have value added courses for students from the first year itself, apart from regular courses, based on NEP 2020.

9. Members' deliberation on perceived gaps in existing curriculum and syllabus & suggestions for new curriculum & syllabi for the forthcoming Regulations

Member appreciated the faculty members for their continuous effort to offer engineering chemistry course for all the first-year B.E / B. Tech students in both the semesters. Suggestions by the BOS members in the new regulations' courses:

U22CHT2001: Applied chemistry – types of electrochemical corrosion may be replaced by forms of corrosion for better understanding and the same was incorporated. Biofuels can replace the biodiesel and ethanol and the same was carried out in the syllabus.

U22CHT2002: Chemistry for Electrical Engineers – the polymers (LDPE, PDMS, PVA) may be offered under a separate heading : Insulating polymers to maintain continuity in the syllabus content and the same was carried out in the syllabus.

U22CHT2006: Chemistry for Civil Engineering - in the water quality unit, the corrosion topics (surface coating) may be included to explain the disadvantages of hardwater in industries and day to day activities and the same was carried out in the syllabus.

10. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery

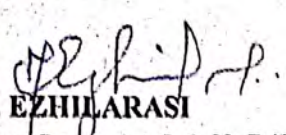
The BOS members were satisfied with the existing infrastructure and teaching aids using for the engineering chemistry content delivery. The members also appreciated the PBL mode of teaching.

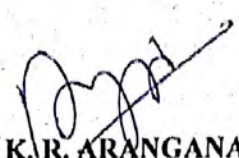
11. Best Practices followed in (External) Members' Institutions

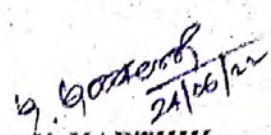
Members listed all the best practices in their institute and the same was recorded.

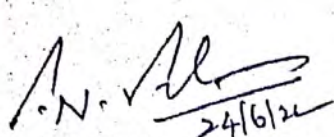
Mr K Karthik, Coordinator, BoS, thanked all the members for their suggestions to enhance the content of the syllabi.

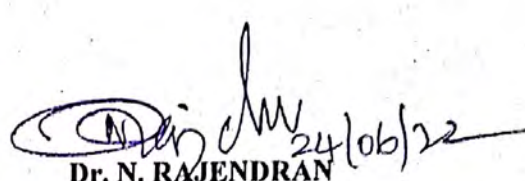
Signature of the members of Board of Studies


Dr. M. EZHILARASI
Associate Dean, AAC & HoD/SFS

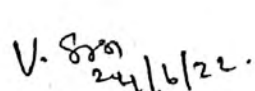

Dr. K.R. ARANGANAYAGAM
HoD / Chemistry


K. KARTHIK
BOS Coordinator


Dr. P.N. PALANISAMY
Professor,
Department of Chemistry,
Kongu Engineering College,
Perundurai, Erode – 638060.


Dr. N. RAJENDRAN
Professor & Head,
Department of Chemistry,
CEG Campus, Anna University,
Chennai – 600 025.

Dr. K. KADIRVELU
DRDO Coordinator & Joint Director,
DRDO-BU Center for Life Sciences,
Bharathiar University Campus
Coimbatore -641046 Tamil Nadu India


Mr V Sasi
(Alumni member)



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MINUTES OF BOARD OF STUDIES MEETING

Department: Chemistry/ SFS

Program: B.E / B.Tech.

Venue: MS Teams – Virtual mode

Date: 21.12.2021

Time: 10.00 AM – 11.00 AM

1. Welcome Note

The meeting of the Board of Studies (BoS) of Department of Chemistry, School of Foundational Sciences was held on 21 December 2021 through virtual mode (Microsoft Teams Meeting). The meeting was chaired by Dr. K.R. Aranganayagam, Head, Department of Chemistry, School of Foundational Sciences (SFS). The list of participants who attended the meeting is placed at the Annexure – I. The meeting commenced with a word of welcome by Dr. K.R. Aranganayagam. He mentioned about the constitution and functions of Programme Advisory Committee (PAC) and Department Advisory Board (DAB). He presented the minutes of DAB. He enunciated the role of curriculum and syllabus in imparting knowledge and developing the skills of the students in their domain.

2. Action taken report on previous BOS meeting

As suggested by the BoS members in the open elective course U18CHO0012 – Analytical Techniques for Materials Characterisation, interpretation of spectra of various spectroscopic studies were suitably incorporated in the syllabus.

The suggestions given for the engineering chemistry course will be suitably incorporated in the forthcoming revision.

3. Introduction of new bridge courses

The following syllabi were presented by Mr K Karthik, BoS coordinator and the same was approved by the Board of Studies.

New Bridge Courses:

U18CHT0001: Chemistry for Textiles

U18CHT0002: Chemistry for Biotechnology

U18CHT0003: Chemistry for Circuit Engineering

U18CHT0004: Applied Chemistry

Suggestions by the BOS members:

A single bridge course may be offered for the first-year students instead of offering different bridge courses.

The syllabi and suggested reference books and textbooks were approved by the BOS members.

4. Addition of new Lab experiments in R2018 Courses

The BOS members were satisfied with the present U18CHI1202L Engineering Chemistry laboratory experiments and instruments available.

5. Stakeholder's feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods

The BOS members were satisfied with the Mission statements of the department, Teaching, learning and assessment methods

6. Targets for CO / PO for Academic Year 2021-22

It was presented that the CO attainment for the courses in the academic year 2021-2022 as 80%.

7. Approval of panel of examiners for QP Setting / Lab Exams for AY 2021-22

A list comprising of the following examiners were approved by the BoS as the panel of examiners for QP Setting / Laboratory Examinations for the academic year 2021-22.

Dr S C Murugavel, Professor, PSG College of Technology, Coimbatore.

Dr P A Periasamy, Associate professor, Dr Mahalingam College of Engineering and Technology, Pollachi.

Dr T Maruthavanan, Associate professor, Sona College of Technology, Salem.

Dr N Nalini, Assistant Professor, Sri Krishna College of Technology, Coimbatore

8. Member's recommendations for implementing NEP 2020

The members felt that the need for implementing the National Educational Policy 2020 in the future, which partially has well been implemented in the institution.

9. Member's deliberation on perceived gaps in existing curriculum and syllabus & suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

The Board of Studies members have suggested to include the following topics in the forthcoming revision:

Alternate energy sources viz., solar cells, batteries, fuel cells which plays a crucial role in reducing the resource depletion. Analytical techniques including spectroscopy techniques, green chemistry, and nanotechnology concepts. The members recommended to have a common engineering chemistry course in the first semester and branch specific engineering

chemistry courses in the second semester in the forthcoming Regulation R2022. Also, experts recommended to offer Engineering Chemistry course which may include Computational Chemistry concepts to Computer Science and Engineering, Information Technology, Information Science and Engineering and Artificial Intelligence and Data Science students also, to equip them towards involving in the production stream, drug discovery etc.

The BoS members suggested to offer value added courses to the first-year students.

10. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery

The BOS members were satisfied with the present infrastructure.

The best practices on the teaching-learning process including the Problem Based Learning Framework were presented to the BoS and the members were satisfied with the teaching aids/strategies followed for the content delivery. Dr M Ezhilarai, Associate Dean, AAC and Head, School of Foundational Sciences briefed the BoS about the Problem Based Learning Framework followed in the previous academic year and implementation to the present students. The members suggested that the problems chosen for PBL framework shall be solvable using the instruments available in the institution.

11. Best Practices followed in (External) Member's Institutions

The regular teaching model using the ICT tools were used in the external member's institution.

The BoS members appreciated the mode of content delivery using PBL framework and assessment methods being followed. They also insisted to offer Engineering chemistry course for the computer science cluster.

Mr K Karthik, Coordinator, BoS, thanked all the members for their suggestions to enhance the content of the syllabi.

Signature of the members of Board of Studies



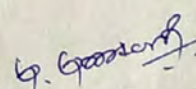
Dr. M. EZHILARASI

Associate Dean, AAC & HoD/SFS

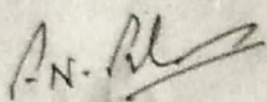


Dr. K. R. ARANGANAYAGAM

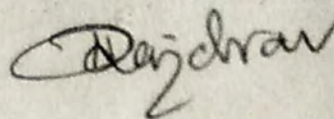
HoD / Chemistry



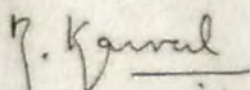
K. KARTHIK
BOS Coordinator



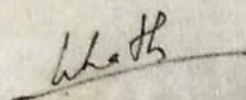
Dr. P.N. PALANISAMY
Professor,
Department of Chemistry,
Kongu Engineering College,
Perundurai, Erode – 638060.



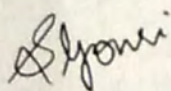
Dr. N. RAJENDRAN
Professor & Head,
Department of Chemistry,
CEG Campus, Anna University,
Chennai – 600 025.



Dr. R. KARVEMBU
Professor,
Department of Chemistry,
National Institute of Technology,
Trichy-620 015.



Dr. K. KADIRVELU
Scientist-E & Joint Director,
DRDO-BU Centre for Life Sciences,
Bharathiar University,
Coimbatore-46.



Ms. S. GOURI
(Alumni member)

Principal

Copy to:

The Chairman
Academic Council
Kumaraguru College of Technology (Autonomous)
Coimbatore -641 049



MINUTES OF BOARD OF STUDIES MEETING

Department: Chemistry/ SFS

Program: B.E / B.Tech.

Venue: MS Teams – Virtual mode

Date: 21.06.2021

Time: 10.15 AM – 11.30 AM

1. Welcome Note

The Chairperson of Board of Studies, Dr. K.R. Aranganayagam, Head, Department of Chemistry, School of Foundational Sciences (SFS) welcomed Dr. P.N. Palanisamy, Anna University Nominee, Dr. N. Rajendran, Dr. R. Karvembu, Subject experts, Dr. Kadirvelu, Industrial Expert, Ms. S. Gouri, Alumnus of KCT and Internal members, to the Board of Studies (BOS) meeting. He enunciated the role of curriculum and syllabus in imparting knowledge and developing the skills of the students in their domain.

2. Action taken report on previous BOS meeting

The discussion on the previous board of studies meeting was recapped to the members and action taken were presented.

3. Introduction of new One Credit Courses / Programme Electives / Open Electives

The content of the following syllabi of the existing courses along with the new courses, were presented by Mr K Karthik, BoS coordinator, and the subject handling faculty. The modifications suggested by the experts were considered for implementation.

Existing courses:

- U18CHI1202/2202- Engineering Chemistry
- U18CHT3000/4000 – Environmental Science and Engineering

Existing Open elective courses:

- U18CHO0002 - Insights on Environment and Ecology for Competitive Exams
- U18CHO0003 - Green Chemistry and Engineering
- U18CHO0004 - Applications of Nano Engineering Materials
- U18CHO0005 - Laser for Engineering Material Processing
- U18CHO0006 - Nutrition, Health and Wellness Science
- U18CHO0007 - Emerging Environment Technologies

- U18CHO0008 - Modern Techniques in Solid Waste Management
- U18CHO0009 - Thin Films Fabrication and Industrial Applications of Engineering Materials
- U18CHO0010 - Energy Environment and Society
- U18CHO0011 - Chemistry of Cosmetics in Everyday life

Existing One credit Course:

- U18CHC0101 - Chemistry in Everyday Life

New Open elective course:

- U18CHO0012 - Analytical Techniques for Materials Characterisation

PhD Course work Syllabus:***Common Paper***

- P18CHT0001 – Research Methodology

Elective Papers

- P18CHE0001 - Adsorption Studies of Carbon Materials
- P18CHE0002 - Applied Environmental Chemistry
- P18CHE0003 - Physical Methods in Chemistry
- P18CHE0004 - Thermoanalytical Methods
- P18CHE0005 - Corrosion Science

Suggestions by the BOS members:

- The BOS members felt that the content of newly introduced open elective course U18CHO0012 – Analytical Techniques for Materials Characterisation was slightly high standard for UG level and suggested to focus the contents based on the need of the engineering students. Based on the need, members suggested incorporating the hands-on training for the interpretation of spectral studies.
- The BOS members suggested revising the content of unit-I in the one credit course U18CHC0101 – chemistry in everyday life.
- The syllabi and suggested reference books and textbooks were approved by the BOS members.

4. Addition of new Lab experiments in R2018 Courses

The BOS members were satisfied with the present laboratory experiments and instruments available.

5. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods

The BOS members were satisfied with the Mission statements of the department, Teaching, learning and assessment methods

6. Targets for CO / PO for Academic Year 2021-22

It was presented that the CO attainment for the courses in the academic year 2021-2022 as 80%.

7. Approval of panel of examiners for QP Setting / Lab Exams for AY 2021-22

A list comprising of the following examiners were approved by the BOS members as the panel of examiners for QP Setting / Lab Exams for AY 2021-22.

- Dr. S C Murugavel, Professor, PSG College of Technology, Coimbatore.
- Dr Dhanabal, Associate Professor, Bannari Amman Institute of Technology, Sathyamangalam.
- Dr P A Periasamy, Associate professor, Dr Mahalingam College of Engineering and Technology, Pollachi.
- Dr T Maruthavanan, Associate professor, Sona College of Technology, Salem.
- Dr N Nalini, Assistant Professor, Sri Krishna College of Technology, Coimbatore

8. Members recommendations for implementing NEP 2020

The members felt the need for implementing the NEP 2020 in the future, which partially has well been implemented in our institution.

9. Members deliberation on perceived gaps in existing curriculum and syllabus & suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

The Board of Studies members have suggested offering a common engineering chemistry course in the first semester and cluster based specific engineering chemistry courses in the second semester in the forthcoming Regulation R2022. Also, experts recommended and strongly insisted to offer the engineering chemistry course to Computer Science and Engineering, Information Technology, Information Science and Engineering and Artificial Intelligence and Data Science students also, to equip them towards involving in the production stream, drug discovery etc.

10. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery

The BOS members were satisfied with the present infrastructure.

The best practices on the virtual teaching-learning process were presented and stated that the online classes were of flipped class models and are conducted with recorded video lectures for both synchronous and asynchronous sessions. For the synchronous sessions, the recorded videos will be uploaded in the portal at least 24 hours prior to the class, so that the students will come prepared for the live interactive sessions. To understand the concepts and principles, the use of virtual simulation tools and virtual lab experiments from various recognised portals was implemented. The BOS members appreciated the mode of flipped classes practices.

11. Best Practices followed in (External) Member's Institutions

The regular online teaching model and in some cases the flipped class models were used in the external member's institution.

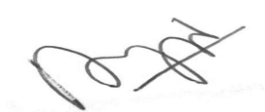
The BOS meeting was concluded with experts ratifying the syllabi that were presented with few suggestions that need to be incorporated. The BOS members appreciated the mode of content delivery and assessment methods being followed. They also insisted on the inclusion of Engineering chemistry course for the computer science cluster.

Dr K. R. Aranganayagam thanked all the BOS members for their suggestions to enhance the content of the syllabi.

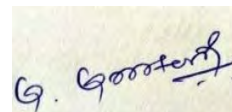
Signature of the members of Board of Studies



Dr. M. EZHILARASI
HoD/SFS



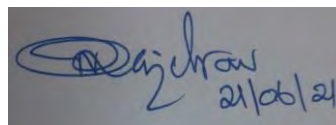
Dr. K. R. ARANGANAYAGAM
HoD(i/c)/Chemistry



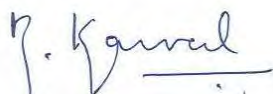
K. KARTHIK
BOS Coordinator



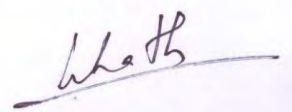
Dr. P.N. PALANISAMY
Professor,
Department of Chemistry,
Kongu Engineering College,
Perundurai, Erode – 638060.



Dr. N. RAJENDRAN
Professor,
Department of Chemistry,
CEG Campus, Anna University,
Chennai – 600 025.



Dr. R. KARVEMBU
Professor,
Department of Chemistry,
National Institute of Technology,
Trichy-620 015.



Dr. K. KADIRVELU
Scientist-E & Joint Director,
DRDO Centre for Life Science,
Bharathiar University,
Coimbatore-46.



Ms. S. GOURI
(Alumni member)

Principal

Copy to:

The Chairman
Academic Council
Kumaraguru College of Technology (Autonomous)
Coimbatore -641 049



MINUTES OF BOARD OF STUDIES MEETING

Department: Chemistry/ SFS

Program: B.E / B.Tech.

Venue: Online – Virtual mode

Date: 23.11.2020

Time: 10.30 AM – 12.30 PM

1. Welcome Note

The Chairperson of Board of Studies, Dr. K.R. Aranganayagam, Head(i/c), Department of Chemistry, School of Foundational Sciences (SFS) welcomed Dr. P. N. Palanisamy, Anna University Nominee, Dr. N. Rajendran, Dr. R. Karvembu, Subject experts, Dr. Kadirvel, Industrial Expert, Ms. Gouri, Alumnus of KCT and chemistry department faculty members to the 2020-2021 odd semester Board of Studies(BOS) meeting. He emphasized the role of curriculum and syllabus in imparting knowledge and developing the skills of the students in their domain and presented the minutes of the previous BOS.

2. Curriculum - balance of courses as per domain, pre-requisites

The Board of Studies members have suggested to offer a common engineering chemistry course in the first semester and branch specific engineering chemistry in the second semester in the upcoming academic years. The subject experts strongly insisted to offer the engineering chemistry course to Computer Science and Engineering, Information Technology, Information Science and Engineering and Artificial Intelligence and Data Science students in the first year as this is very much required for them to venture into the upcoming fields like drug discovery, development and production sides in E-components.

3. Syllabus - updation and relevance to industrial, career requirement

The content of the following syllabi was presented, and modifications were suggested by the experts:

- U18CHI1202/2202- Engineering Chemistry
- U18CHT3000/4000 – Environmental Science and Engineering

Open elective courses:

- U18CHO0002 - Insights on Environment and Ecology for Competitive Exams
- U18CHO0003 - Green Chemistry and Engineering
- U18CHO0004 - Applications of Nano Engineering Materials
- U18CHO0005 - Laser for Engineering Material Processing
- U18CHO0006 - Nutrition, Health and Wellness Science

- U18CHO0007 - Emerging Environment Technologies
- U18CHO0008 - Modern Techniques in Solid Waste Management
- U18CHO0009 - Thin Films Fabrication and Industrial Applications of Engineering Materials
- U18CHO0010 - Energy Environment and Society
- U18CHO0011 - Chemistry of Cosmetics in Everyday life

PhD Course work Syllabus:***Common Paper***

- P18CHT0001 – Research Methodology

Elective Papers

- P18CHE0001 - Adsorption Studies of Carbon Materials
- P18CHE0002 - Applied Environmental Chemistry
- P18CHE0003 - Physical Methods in Chemistry
- P18CHE0004 - Thermoanalytical Methods
- P18CHE0005 - Corrosion Science

Suggestions by the BOS members:

- To include the topics, 'Concentration cells', 'Fuel cells' and 'Industrial wastewater treatment' in the respective units in U18CHI1202/U18CHI2202 - Engineering Chemistry course.
- To include 'Energy storing devices' in the Engineering Chemistry course in the upcoming academic year.
- To include textbooks for the course U18CHT3000/U18CHT4000 - Environmental Science and Engineering
- To mention the unit/module numbers in the syllabi of Engineering Chemistry and Environmental Science and Engineering.
- It is suggested to rename the title Field visit and certified internship program to Industrial visit and industry certified workshop in the open elective course U18CHO0005 – Laser for engineering material processing
- To include the topic Environmental Impact Assessment Act/Bill in the course U18CHO0007 - Emerging environmental Technologies
- To include the specific methods of solid waste disposals in the course U18CHO0008 - Modern Techniques in Solid Waste Management
- To mention the year of publication of reference and textbooks for the open elective courses U18CHO0009 - Thin Films Fabrication and Industrial Applications of Engineering Materials and U18CHO0010 - Energy Environment and Society
- To modify the topics included in unit IV, U18CHO0011 – Chemistry of cosmetics in everyday life is suggested by the BOS members

- The syllabi, the suggested reference books and textbooks were approved by the BOS.
- The BOS members remarked that this syllabus would cater for drug discovery, corrosion aspects related to industrial applications and materials and electrochemical concepts in manufacturing of batteries.

4. Course Delivery - Mode and effectiveness

- It was suggested that the online classes will be conducted with recorded video lectures in both synchronous and asynchronous sessions. To understand the concepts and principles, it was proposed to use the virtual simulation tools and virtual lab experiments from various recognised portals.

5. Course Assessment - Mode and effectiveness

- It was proposed that Multiple choice questions, Industry based case studies and reviews and simulation tests for each synchronous and asynchronous session to be conducted to assess the understanding of the concepts and principles by the students. The continuous assessment for each session would prepare the students for better understanding and implementation of the concepts.

6. Infra requirement, upgradation

- Suggestions by Members: They were satisfied with the present laboratory infrastructure and instruments available.

7. Student's knowledge and skill development

- It is proposed to offer a value added one credit course and a project-based learning course by the department of chemistry to improve students' knowledge and skill development.

8. Faculty and support faculty development / training

- Suggestions by Members: They appreciated the involvement of faculty members in attending the FDP and online webinars along with the upgradation of their knowledge through courses conducted via SWAYAM, NPTEL, Coursera platforms etc.,

9. Faculty qualification/ specialisation - recommendation

- Suggestions by Members: Faculty members were advised to go for Post Doctor Fellow programmes

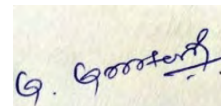
The BOS meeting concluded with experts ratifying the syllabuses that were presented with few suggestions that need to be incorporated. Dr K. R. Aranganayagam thanked all the BOS members for their suggestions to enhance the content of the syllabi.

Signature of the members of Board of Studies

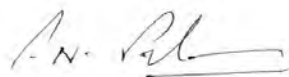
Dr. M. EZHILARASI
HoD/SFS



Dr. K. R. ARANGANAYAGAM
HoD(i/c)/Chemistry



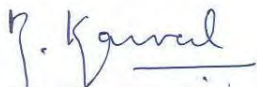
K. KARTHIK
BOS Coordinator



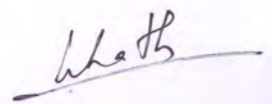
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Professor,
Department of Chemistry,
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Dr. K. KADIRVELU
Scientist-E & Joint Director,
DRDO Centre for Life Science,
Bharathiar University,
Coimbatore-46.



Ms. S. GOURI
(Alumni member)

Principal

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The Chairman
Academic Council
Kumaraguru College of Technology, Coimbatore -641 049.



KUMARAGURU
college of technology
character is life

MINUTES OF BOARD OF STUDIES MEETING

Department: CHEMISTRY DIVISION (S&H)

Program: B.E/B. Tech

Venue: Conference Hall - ASC

Date: 01.12.2018

Time: 10.00 am

1. The Chairperson of BOS Dr. P. Devaki, Head, Department of Science and Humanities welcomed Dr. Rajendran, Anna University Nominee, Dr. Kadirvel, Industrial Expert, Ms. Gouri, Alumnus of KCT and internal members of BOS to the 2018-19 even semester board of studies meeting. She emphasized the role of curriculum and syllabus in imparting knowledge and developing the skills of the students in their domain. The BOS Convenor of Chemistry Division, Dr. KR. Aranganayagam, presented the minutes of the previous BOS.

2. The Convenor Dr. KR. Aranganayagam when presenting the curriculum and syllabus, he pointed out that the curriculum has been framed in such a way that it would balance various courses offered by the college. It was brought to the notice of the members that instead of having too many syllabi for the same course to cater the requirement of various departments, a common syllabus for Engineering chemistry as well as Environmental Science and Engineering has been decided and this decision was placed for the deliberations of the members.

Since Engineering Chemistry is one of the basic science courses which itself is a pre-requisite for several engineering courses offered by the Engineering Departments, the members appreciated the proposal of common syllabus and justified that it would minimise the problems in setting question papers and conducting examinations smoothly.

3. The content of the common syllabus has been updated to comply with the norms of the AICTE and the guidelines of the ministry of higher education.

I YEAR (ODD & EVEN) & II YEAR (ODD & EVEN):

- U18CHI1201/2201- Engineering Chemistry - (Common to all branches)
- U17CHT3000/4000 – Environmental Science and Engineering (Common to all branches)
- U18CHT3000/4000 – Environmental Science and Engineering (Common to all branches)

The syllabus, the suggested reference books and text books recommended for subjects were approved by the BOS.

1.12.2018

BoS Coordinator

Conference Hall - ASC

The syllabus has been updated and applied as per their students need. The syllabuses for the semesters are framed by keeping modern technological aspects of Engineering & Technology for all branches. The suggested reference books and text books recommended for subjects were also approved.

SYLLABUS – OPEN ELECTIVE COURSE:

S. No	UG Course Code	PG Course Code	Subject Name	Faculty Name
1	U15CHOE01	P15CHOE01	Chemistry in Design and Fabrication of PCB	Dr. K. Sampath
2	U15CHOE02	P15CHOE02	Insight on Environment and Ecology for competitive exams	Dr. Shoba U S
3	U15CHOE03	P15CHOE03	Green Chemistry and Engineering	Dr. K. Kalapriya
4	U15CHOE04	P15CHOE04	Application of Nano Engineering Materials	Dr. KR Aranganayagam
5	U15CHOE05	P15CHOE05	Laser for Engineering Material Processing	Dr. R. Ashokkumar
6	U15CHOE06	P15CHOE06	Nutrition, Health and Wellness Science	Dr. R. Mahalakshmi

The syllabus, the suggested reference books and text books recommended for subjects were approved by the BOS.

The syllabus is updated and applied as per their students need. The syllabus is framed by keeping modern technological aspects of Engineering & Technology for all branches. The suggested reference books and text books recommended for subjects were also approved

SYLLABUS – Ph.D – FT/PT

Common Paper

P18CHT0001 – RESEARCH METHODOLOGY

Elective Papers

P18CHE0001 - ADSORTION STUDIES OF CARBON MATERIALS

P18CHE0002 - APPLIED ENVIRONMENTAL CHEMISTRY

P18CHE0003 - PHYSICAL METHODS IN CHEMISTRY

P18CHE0004 - THERMOANALYTICAL METHODS

P18CHE0005 - CORROSION SCIENCE

1.12.2018

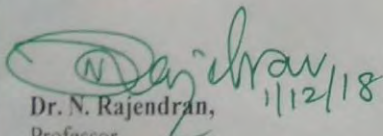
BoS Coordinator

Conference Hall - ASC

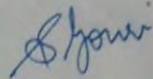
4. The syllabus is updated based on the present requirements. The members insisted that the title and the content of the syllabus for all Ph. D elective course papers should be revised to cater the fundamentals in the research area.
5. Insisted to have very effective methodology in delivering the subject so that the students would understand the basic principles of Chemistry. Suggested to prepare course materials that include power point presentation with visuals, video-making, video presentation and any other modes which should be in parallel with several renowned Institutions in India and foreign as well.
6. The mode and effectiveness of the course assessment will be decided by the committee
7. To make online teaching and google classes more effective, the committee suggested to have internet facility and projectors for each class.
8. To improve student's knowledge and skill development, it has been advised to have a web blog and get it updated then and there.
9. As technology is improving day by day, it has been suggested teaching faculty to undergo Faculty Development Programme and also register online courses offered by NPTEL, Coursera, edx, etc.
10. Faculty members are advised to complete their Ph.D at the earliest.
11. The Chairman concluded that the discussion and suggestion must be carried out in a holistic way for achieving the goals of the Institutions.

Signature of the members of BOS

Dr. P. Devaki (Chairman)



Dr. N. Rajendran,
Professor,
Department of Chemistry,
CEG Campus, Anna University
Chennai - 600 025.

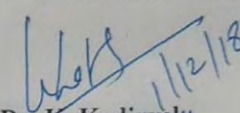


Ms. S. Gouri (Alumnus)

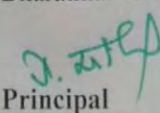
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The Chairman
Academic Council
Kumaraguru College of Technology, Coimbatore -641 049.

Dr. K.R Aranganayagam (Convener)



Dr. K. Kadirvelu
Scientist-E & Joint Director
DRDO Centre for Life Science,
Environmental Chemistry,
DRDO Centre
Bharathiar University



Principal

1.12.2018

BoS Coordinator

Conference Hall - ASC

BOS MEETING

DIVISION: CHEMISTRY

DATE: 19/03/2018

VENUE: EXAM CELL

TIME: 10.00am-

MINUTES OF THE MEETING

1. Dr. K. R. Aranganayagam Head of the Division welcomed the university nominee, industrial expert and member of the alumni and other members of the board.
2. The convenor presented the syllabus and informed that the contents were framed based on the AICTE model syllabus and in consultation with the various engineering departments.
3. The chemistry and environmental science courses offered to B.E./B.Tech. course students for different clusters are as follows.

S. no.	Course code	Course title
1.	U18CHT1001 & 2001	Applied chemistry (Common to AE, TE, ME & CE)
2.	U18CHT1002	Chemistry for Biotechnology
3.	U18CHT1003	Chemistry for Civil Engineering
4.	U18CHT1004 & 2004	Chemistry for Circuit Engineering
5.	U18CHT1005	Chemistry for Textile and Fashion Technology
6.	U18ISE1001	Environmental studies in Engineering (CE, EE, ME & IT)
7.	U17CHT1001	Environmental Science for Circuit Engineering (Common to EE, CE & GE)

8. U17EST 002 Introduction to Environmental Science and Engineering (Civil Engineering)

9. U17EST 003 Environmental Science and Engineering (Common to AE, AV, MCE & ME)

10. U17EST 004 Environmental Science in Textile and Apparel Technology (Common to FT & OT)

11. U17EST 005 Basic concepts in Environmental Science (BT)

12. U18CHP100182001 Chemistry Laboratory

4. The Syllabus was reviewed by the members and experts

5. They were of the view that the HCTE recommendations on the content and the needs of the Engineering departments have been incorporated

6. The experts are of the opinion that CSS, ISC & IT should also include the chemistry syllabus as basic of chemistry are essential

7. Few suggestions of refinement in the co' were also suggested.

8. Suggestions on the contents refinement of the module proposed.

9. Experts and Alumni members suggested additional course is required in Bio-tech

10. Equal weightage in each module was suggested to facilitate marks distribution uniformly.

Meeting ended with BOS Coordinator Dr. S. Dany thanked the gathering.

(GOURI.S)

SIGNATURE OF ALUMNI.

(Dr. P. DEVIK)

CHAIRMAN - BOS

(Dr. K. R. ARANGANATHAN)
Coordinator & Head i/c

(Dr. N. RAGENDRAN)

SIGNATURE OF ANNA UNIVERSITY NOMINEE

(Dr. J. SENTHIL)
PRINCIPAL



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and Accreditation Council)

GRADE
A++

School of Foundational Sciences –Languages and Communications



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and Accreditation Council)

GRADE
A++

Department of Languages and Communications

Sl. No.	Date of Board of Studies meeting
1.	02.05.2023
2.	06.01.2023
3.	24.06.2022
4.	16.12.2021
5.	23.06.2021
6.	19.11.2020
7.	14.12.2018



MINUTES OF BOARD OF STUDIES MEETING-15

Department : Department of Languages and Communication / SFS **Date:** 02-05-2023

Program : B.E / B.Tech

Meeting No-15

Venue : Virtual -MS Teams-Meeting

Time : 02.30 p.m. to 4.30 p.m.

Participants of the Meeting:


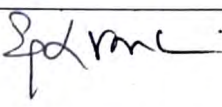
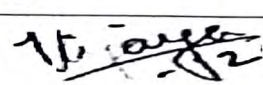
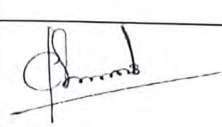

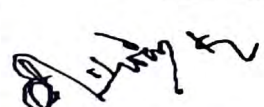
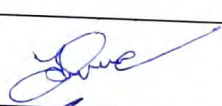
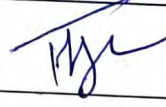
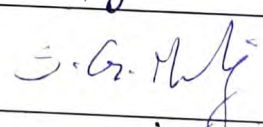
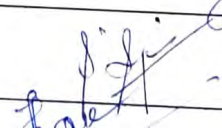
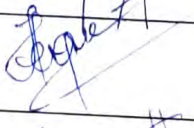
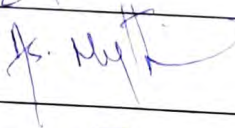
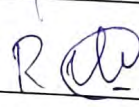
Name	Designation as per UGC	Organisation.	Name	Designation	Org
Dr. E S Uma Maheswari	Anna University Nominee	GCE, Bodinaya kanur, Theni.	Dr.C.Tissaa Tony/AP-III	Member	KCT
Dr. Sathyaraj Venkatesan	Subject Expert	NIT, Trichy.	Dr.S.G.Mohanraj/ AP-II	Member	KCT
Dr. Vijaya Srivastava	Subject Expert	EFLU, Lucknow.	Dr.S.Sreejana/ AP-II	Member	KCT
Mr. Abishek Paul Jackson	Alumni Member	Benglen Public School, CBE	Dr.R.Hema/ AP-II	Member	KCT
Prof. Edwin Anthony Amalanathan	Representative relating to Placement	Joint Director (Training & Placement), Santosh Rungta Group of Institutions (R1),	Dr.A.S.Mythili/ AP-II	Member	KCT
Dr.B.Arokia Lawrence Vijay/Head L&C	BOS Chairman	KCT	Mr. Harihara Raja / Special Invitee/ Language Electives Trainer/ KCT		
Dr.J.Srikala/AP-III	BOS Coordinator	KCT			

Agenda

- Discussion on the Syllabus for Academic Regulation 2023
 - Introduction of Language Electives by the Department of Languages and Communication.(Chinese, Spanish and Korean)
 - Approvals of Tamil Courses-Tamils and Heritage, Tamils and Technology.
- Welcome note and introduction of members by the Chairperson

Dr.Arokia Lawrence Vijay B, Chairman, Board of Studies – Languages and Communication , welcomed all the members and presented the silhouette of the meeting by presenting the agenda.

- Dr. Arokia Lawrence Vijay conveyed that the Department of Languages and Communication are providing students with the Language Elective courses such as French, German, Japanese and Hindi and in addition to that Chinese, Korean and Spanish languages are proposed to conduct from this semester.
- The experts approved on the Language Elective Courses.
- Dr. Arokia Lawrence Vijay, sought approval for Tamil courses '*Tamils and Heritage, Tamils and Technology*' that are going to be implemented.
- Dr.J.Srikala, BOS Coordinator thanked all the members present for the BOS Meeting and read the formal vote of thanks.

Dr.Arokia Lawrence Vijay Chairperson BOS / Languages and Communication	
Dr. E S Uma Maheswari Anna University Nominee HOD English, GCE, Tirunelveli	
Dr. Vijaya, Subject Expert, EFLU University, Lucknow.	
Dr. Sathyaraj Venkatesan, Subject Expert, NIT, Trichy.	
Mr. Abishek Paul Jackson Alumni Member /Benglen Public School, Coimbatore	
Dr.. Edwin Anthony Amalanathan Joint Director (Training & Placement), Santosh Rungta Group of Institutions	
Dr.J.Srikala Member / L&C/KCT	
Dr.C.Tissaa Tony Member / L&C/KCT	
Dr.S.G.Mohanraj Member / L&C/KCT	
Dr.S.Sreejana Member / L&C/KCT	
Dr.R.Hema Member / L&C/KCT	
Dr.A.S.Mythili Member / L&C/KCT	
Mr. Hariharan Raja	



MINUTES OF BOARD OF STUDIES MEETING

Department : Department of Languages and Communication / SFS

Program : B.E / B.Tech

Venue : F BLOCK-Room:No:301

Date: 06-01-2023

Time : 11.45a.m. to 1.30 a.m.

Meeting No : 14

Participants of the Meeting:

Name	Designation as per UGC	Orgn	Name	Designation	Orgn
Dr. E S Uma Maheswari	Anna University Nominee	GCE, Theni	Dr.C.Tissaa Tony/ AP-III	Member	KCT
Dr. Sathyaraj Venkatesan	Subject Expert	NIT, Trichy	Dr.S.G.Mohanraj/ AP-II	Member	KCT
Dr. Vijaya Srivastava	Subject Expert	EFLU, Lucknow	Dr.S.Sreejana/ AP-II	Member	KCT
Mr. Abishek Paul Jackson	Alumni Member	Benglen Public School, CBE	Dr.R.Hema/ AP-II	Member	KCT
Dr.B. Arokia Lawrence Vijay/Head	BOS Chairman	KCT	Dr.A.S.Mythili/ AP-II	Member	KCT
Dr.J.Srikala/AP-III	BOS Coordinator	KCT			
Special Invitee:					
Dr.M.Ezhilarasi	Associate Dean – Academics & Head, School of Foundational Sciences			KCT	

Welcome note and introduction of members by the Chairperson

Dr.Arokia Lawrence Vijay B, Chairman, Board of Studies invited all the Resource persons to the BoS Meeting.

Dr. J.Srikala, BoS Coordinator, welcomed the gathering and introduced the committee members.

The Agenda of the meeting

Agenda

- Discussion on the Syllabus from the academic year Regulation 2022
- Introduction of EDGE Courses and Approval for FCLF Courses
- Introduction of Language electives by the Department of Languages and Communication.

Dr. Arokia Lawrence Vijay B, Chairman, Board of Studies conveyed that Languages will be offered in two semesters, Fundamentals of Communication U18ENI0201 will be offered in one semester and Language electives (German, Japanese, French and Hindi) will be offered in the other semester from the academic year 2022-2023. Both the courses are embedded, and 3 credits are given for each course.

Regular assessment which includes Internal Assessment and End Semester Assessment will be followed for Fundamentals of Communication – U18ENI0201

Only Internal Assessment will be followed for Language Electives

Dr. Arokia Lawrence Vijay B introduction the new pedagogy 'Problem Based Language Learning- methodology of teaching' for I year students to the panel for recommendation.

Dr. Mohanraj. S.G., presented on the methodology of the PBL Mode of learning. A sample lesson on Internship on PBL problems was displayed. He also explained on real-time problems given to the students and there would be brainstorming sessions and students would come up with solutions.

Dr. Arokia Lawrence Vijay invited suggestions from the BoS committee members for the new syllabus from the academic year 2022.

Dr.M.Ezhilarasi, Dean & Head SFS, shared her perspectives on designing the syllabus.

S. No	Comments by Expert Members	Action Taken
1.	Dr.Sathyaraj observed that the syllabus needs a Reading component to be introduced.	All the necessary suggestions will be considered while framing and implementing the newsyllabi for Academic Regulations 2022.
2.	Dr.Vijaya Srivastava added that Reading skills are mandatory for all 4 skills analytical skills would be honed by reading skills as it trains the minds of the young learners. She suggested focusing on training the subskills	
3.	Dr.Vijaya Srivastava briefed on IELTS Pattern - I.rehearsed, performance, spontaneous approach on speaking	
4.	Dr.Sathyaraj suggested parameters for Panel interview could include Alumni from the industry and suggestions were given on the removal of topic 'Describing Places and events from the syllabus.	
5.	Dr.Vijaya Srivastava suggest naming it as 'Language of Brochures and Flyers, instead of 'describing an event'. She also asked staff to give them a chance for the students to present the research they have done.	
6.	Dr.Sathyaraj opined that the content teacher and the language teacher can collaborate in conducting sessions.	
		The draft syllabus will be circulated to

7.	Dr.Sathyaraj suggested introducing English for the Third year for placements. All the BOS Members insisted on offering English for one whole year. Dr.Sathyaraj opined that the content teacher and the language Teacher can collaborate in conducting sessions.	all themembers, and it will be finalized after getting their valuable inputs.
8.	Dr.Uma raised a query on the GATE Coaching being provided and suggested on including training sessions. She also opined to have more of alumnus interactions. She suggested on creating a flow chart for the different stages of a learning process.	
9.	Dr.Sathyaraj suggested having 'Debating hour's for the classes.	
	Dr.Ezhilarasi M sought the opinion of the experts the in the inclusion of reference books.	
10.	Dr.Sathyaraj suggested that problem solving focussed only in Unit 5, which should be spread across all units. He also observed that he is the member of 16 BOS Forums and he had not seen such wonderful efforts taken for creating a syllabus.	
11.	Dr.Vijaya Srivastava suggested that a website to be updated with PBL learning methodology. The information could be shared with the experts so that all the suggestions could be collated. She also suggested to have basic diploma and UG Courses because 6 months course would be inadequate in language learning.	
12.	Mr.Abishek affirmed the opinion of the experts. He voiced out his experience on UK-based education. He suggested to have blog writing as a part of the syllabus.	
13.	Dr.Vijaya Srivastava suggested to conduct test and counselling for the students and identify their capacity. She suggested the tutorial method of learning.	
14.	Dr.Sathyaraj and Dr.Vijaya appreciated the massive efforts taken by the team members during the preparation of the syllabus.	
15.	The board approved the Language Elective Courses and the implementation. All the subject Experts recommended to have Language Electives in addition to at least two papers on English, communication skills and Employability skills. The papers could be offered in the first years and in the third year before they appear for placements.	
16.	The board approved all the Edge, Edge plus and FCLF Courses. The lists of the courses are enclosed.	

As mentioned in point No 16 , given below are the list of courses (FCLF Courses and Edge - Edge Plus Courses)

FCLF Courses

S.NO.	DEPARTMENT	COURSE CODE/R18	COURSE NAME
1	HE	U18HEO0001	INTRODUCTION TO YOGA AND STRESS MANAGEMENT
2	HE	U18HEO0002	A NATURALIST TRAINING PROGRAM
3	HE	U18HEO0003	BASICS OF BHARATANATYAM
4	HE	U18HEO0004	MUSIC: INDIAN CLASSICAL MUSIC DECODED
5	HE	U18HEO0005	PSYCHOLOGY: TRANSACTIONAL ANALYSIS
6	HE	U18HEO0006	ADVANCED PHOTOGRAPHY AND ORIENTATION TO WILDLIFE PHOTOGRAPHY
7	HE	U18HEO0007	THEATRE ARTS
8	HE	U18HEO0008	EPIGRAPHY, ART & ARCHITECTURE
9	HE	U18HEO0009	ORGANIC FARMING
10	HE	U18HEO0010	SPOKEN HINDI
11	HE	U18HEO0011	APTITUDE & SOFT SKILLS ENHANCEMENT PROGRAMME
12	HE	U18HEO0012	MASTERING THE SIXTH SENSE
13	HE	U18HEO0013	TAMIZHAGA VARALARUM TAMIZHAR PANBADUM
14	HE	U18HEO0014	UNDERSTANDING INDIAN SOCIETY
15	HE	U18HEO0015	SCIENTIFIC EVIDENCE OF AFTERLIFE
16	HE	U18HEO0016	AN INSIGHT INTO PROTO - INDO - EUROPEAN MYTHOLOGY
17	HE	U18HEO0017	GLOBAL SOCIAL DEVELOPMENT
18	HE	U18HEO0018	GREATNESS OF NATURAL FOODS & NUTRITION
19	HE	U18HEO0019	NEURO LINGUISTIC PROGRAMING
20	HE	U18HEO0020	FILM DIRECTION AND SCRIPT WRITING
21	HE	U18HEO0021	INTRODUCTION TO PHILOSOPHY
22	HE	U18HEO0022	MUSICOLOGY
23	HE	U18HEO0023	LIFE DESIGN
24	HE	U18HEO0024	HOW TO CRACK SERVICES SELECTION BOARD
25	HE	U18HEO0025	SUSTAIANBLE DEVELOPMENT AND LIVING
26	HE	U18HEO0026	DRAFTING PERSONAL CONSTITUTION AND SHAPING LIFE
27	HE	U18HEO0027	SOCIAL WORK METHODS & ITS RELEVANCE IN PROFESSIONAL SETTINGS
28	HE	U18HEO0028	GOVERNANCE IN INDIA
29	HE	U18HEO0029	DIGITAL PHOTOGRAPHY
30	HE	U18HEO0030	FREEDOM FILM MAKING- FOR A NEW GENERATION
31	HE	U18HEO0031	PROFESSIONAL TAMIL FOR ENGINEERS
32	HE	U18HEO0032	PUBLIC POLICY FOR FUTURE TECHNOLOGIES
33	HE	U18HEO0033	CAMPUS TO CORPORATE
34	SFS/ENGLISH	U18EN00001	ART OF PUBLIC SPEAKING

35	SFS/ENGLISH	U18EN00002	HUMAN RIGHTS AND RTI ACT
36	SFS/ENGLISH	U18EN00008	JAPANESE LANGUAGE (BASIC) AND CULTURE
37	SFS/ENGLISH	U18EN00009	INDIAN GOVERNMENT AND POLITICS
38	SFS/ENGLISH	U18EN00006	ART OF RESEARCH PAPER WRITING/HOW TO DO LITERATURE REVIEW
39	SFS/ENGLISH	U18EN00003	CREATIVE WRITING THROUGH LITERATURE
40	SFS/ENGLISH	U18EN00004	INDIAN HERITAGE & SELF REALIZATION
41	SFS/ENGLISH	U18EN00005	MASS COMMUNICATION AND JOURNALISM
42	SFS/ENGLISH	U18EN00007	ENGLISH FOR EFFECTIVE COMMUNICATION
43	SFS/ENGLISH	U18EN00010	WORKING TAMIL FOR ENGINEERS
44	SFS/ENGLISH	U18EN00011	SPOKEN FRENCH
45	SFS/ENGLISH		ENGLISH LANGUAGE TECHNIQUES
46	SFS/ENGLISH	U18EN00014	ENGLISH FOR CAREER PURSUITS
47	SFS/ENGLISH	U18EN00015	ARTS OF CRACKING ENGLISH COMPETITIVE EXAMS
48	SFS/ENGLISH	U18EN00013	GERMAN LANGUAGE
49	SFS/ENGLISH	U18EN00016	INTRODUCTION TO EMOTIONAL INTELLIGENCE

Edge And Edge Plus Courses:

S.NO	COURSE CODE	COURSE NAME
1	U18VER0001	GREATNESS AND HOLISTIC HEALING OF NO OIL-NO BOIL FOOD
2	U18VER0002	BASICS OF GRAPHOLOGY
3	U18VER0003	JOURNALISM
4	U18VER0004	PSYCHOLOGICAL WELL BEING
5	U18VER0005	BUILDING EMOTIONAL INTELLIGENCE
6	U18VER0006	SIDDHA MARUTHUVAM
7	U18VER0007	ETHICS AND MORAL VALUES IN ARMED FORCES FOR POSTIVE ACTION
8	U18VER0008	RURAL DEVELOPMENT THROUGH STUDENT COMMUNITY SERVICE
9	U18VER0009	WINNING MINDSET FOR CAREER SUCCESS
10	U18VER0010	THE LIFE CHANGING SKILLS
11	U18VER0011	BHARATANATYAM FOR BEGINNERS
12	U18VER0012	FUNDAMENTALS OF SELF DEFENCE AND FITNESS THROUGH MARTIAL ARTS
13	U18VER0013	WESTERN DANCE FOR BEGINNERS
14	U18ENR0001	MASTERING SUSTAINABLE SKILLS
15	U18ENR0014	DESIGN THINKING - A PRIMER


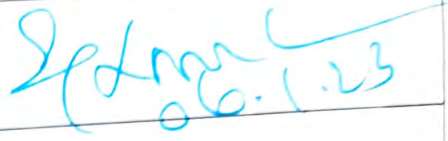

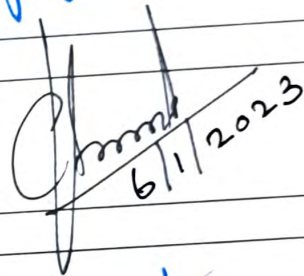
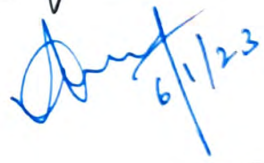
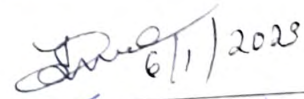
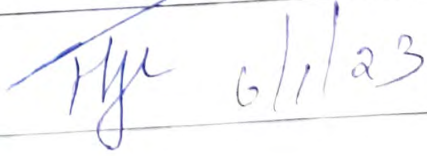
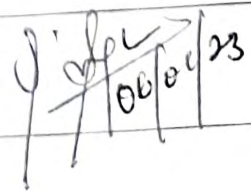
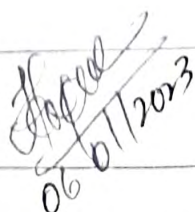
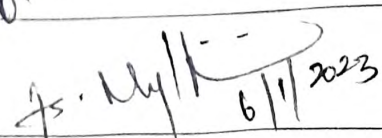
Dr.J.Srikala, BOS Coordinator proposed the formal vote of thanks for the 14th Board of Studies Meeting

Dr. E S UmaMaheshwari, Anna university nominee, appreciated and congratulated for the efforts on implementing the new pedagogy.

Dr. Sathyaraj Venkatesan and Dr. Vijaya appreciated the efforts to implement the new pedagogy and asked to publicize it so that many other institutions will follow and will get benefitted

Dr. Arokia Lawrence Vijay thanked all the experts and faculty members for their valuable suggestions and concluded the fruitful academic deliberation.

Signature:

Dr. Arokia Lawrence Vijay Chairperson BOS / English	
Dr. E S Uma Maheswari Anna University Nominee HOD English, GCE, Tirunelveli	
Dr. Vijaya, Subject Expert, EFLU University, Lucknow.	
Dr. Sathyaraj Venkatesan, Subject Expert, NIT, Trichy.	
Mr. Abishek Paul Jackson Alumni Member / Benglen Public School Coimbatore	
Dr. J. Srikala	
Dr. C. Tissa Tony	
Dr. S. G. Mohanraj	
Dr. S. Sreejana	
Dr. R. Hema	
Dr. A. S. Mythili	



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MINUTES OF BOARD OF STUDIES MEETING

Department : Department of Languages and Communication / SFS

Program : B.E / B.Tech

Venue : F Block-301

Date: 24-06-2022

Time : 11.00 a.m. to 2.30 p.m.

Participants of the Meeting:

Name	Designation as per UGC	Orgn	Name	Designation	Orgn
Dr. E S Uma Maheswari	Anna University Nominee	GCE, Bodinayakkanur, Theni	Dr.J.Srikala	Member	KCT
Dr. Vijaya	Subject Expert	EFLU, Lucknow	Dr.C.Tissaa Tony	Member	KCT
Mr. Abishek Paul Jackson	Alumni Member	Benglen Public School, CBE	Dr.S.Sreejana	Member	KCT
Dr.B.Arokia Lawrence Vijay	BOS Chairman	KCT	Dr.R.Hema	Member	KCT
Dr.S.G.Mohanraj	BOS Coordinator	KCT	Dr.A.S.Mythili	Member	KCT

Special Invitee:

Dr.M.Ezhilarasi	Associate Dean – Academics & Head, School of Foundational Sciences	KCT
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Agenda of the meeting

1. Welcome and introduction of members by Chairperson, BOS.
2. Discussion on previous BOS Minutes.
3. Discussion on Program Advisory Committee (PAC) & Department Advisory Board (DAB) Meetings
4. Presentation and deliberation on Curriculum and Syllabus & Course Delivery.
5. Approval of End-Semester Question Paper Setters.
6. Concluding remarks by Chairperson, BOS.

Welcome note and introduction of members by Chairman - BOS

Dr.Arokia Lawrence Vijay B, Chairman, Board of Studies – Languages and Communication, introduced and welcomed the committee members. The expert members present for the Board of Studies meeting were Dr. E S Uma Maheswari, Anna University Nominee, Professor & Head, Department of English, Government College of Engineering, Bodinayakkanur, Theni; Dr Vijaya, Subject Expert, English and Foreign Languages University, Lucknow; Mr. Abishek Paul Jackson, Alumni Member, Benglen Public School, Coimbatore; Dr. Ezhilarasi M, Associate Dean – Academics & Head, School of Foundational Sciences; and the faculty members of the Department of Languages and Communication, KCT.

Discussion on previous BOS Minutes

Dr.S G Mohanraj, BOS Coordinator, presented the Minutes of Meeting of the previous Board of Studies conducted on 16.12.2021 for a discussion and the actions taken for the same were discussed.

Discussion on Program Advisory Committee (PAC) & Department Advisory Board (DAB) Meetings

Dr.Arokia Lawrence Vijay explained the deliberations of Program Advisory Committee (PAC) & Department Advisory Board (DAB) Meetings. He added that the present curriculum is arrived at with several discussions with stake holders in the PAC meeting and then it was presented in DAB meeting. Now, after getting adequate inputs from the experts and various other stakeholders and necessary modifications, the syllabi are presented for review in the BOS.

Presentation and deliberation on Curriculum and Syllabus & Course Delivery

The following syllabi were presented for approval during the Board of Studies meeting:

i) Regular Courses (Semester I & II)

- a) U22ENI1201 – English for Technocrats
- b) U22ENI2201 – Essential Employability Skills

ii) Bridge Course - U22ENT0101 - Language Competency Enhancement

iii) Open Electives

- a) U22ENO0001 - English for Career Pursuits
- b) U22ENO0002 - English for Competitive Exams
- c) U22INT4000 / U22INT5000 / U22INT6000 – Constitution of India

iv) One Credit Course

- a) U22ENC0502 - Blog Writing
- b) U22ENC0503 – Etymology
- c) U22ENC0504 – SMART ME (Systematic Method of Approaching Recruitment - Measures & Execution)
- d) U22ENC0505 – Writing for Research

v) Language Electives

- a) U22FRI2201 - French Level -I
- b) U22FRI3201 - French Level -II
- c) U22GEI2201 - German Level I

- d) U22GEI3201 - German Level II
- e) U22JAI2201 – Japanese Level I
- f) U22JAI3201 – Japanese Level II
- g) U22HII2201 - Hindi Level I
- h) U22HII3201 - Hindi Level II

Dr.Arokia Lawrence Vijay invited suggestions from the BOS committee members regarding the syllabi. He added that the heterogenous group of students have to be trained for various goals like higher studies, employment, etc. Hence, the syllabus must cater to all these needs of the students.

From the Academic Year 2022-23, I year B.E./ B.Tech students will be provided opportunities to learn any of the given Language Electives (German, French, Japanese & Hindi). The students will be learning Fundamentals of Communication (English) in one semester and any of the language electives in the alternative semester.

The assessments for Language Electives (German, French, Japanese & Hindi) will be continuous and in internal mode. No end semester examinations will be conducted for these courses.

Dr.S G Mohanraj, BOS Coordinator, briefly outlined the course syllabi for I year B.E./ B.Tech students entitled U22ENI1201 – English for Technocrats & U22ENI12201 – Essential Skills for Employability.

U22ENI1201 – English for Technocrats

S. No	Comments by Expert Members	Action Taken
1.	Dr.E.S Uma Maheshwari opined that the syllabus is adequate to the requirements. She also suggested to allow students to choose their topics for presentation. This would allow students to come up with their ideas in a better manner.	Dr.Vijay replied that the suggestion is well taken.
2.	Dr.E.S Uma Maheshwari suggested to increase the vocabulary activity 5 per class.	Dr.Vijay replied that the two per class would be effective.
3.	Dr.Vijaya suggested to include a unit on paraphrasing and plagiarism	Dr.Vijay replied that it will be included in the third unit.
4.	Mr. Abishek Paul Jackson also emphasized the importance of plagiarism.	The component will be included as per the necessity.

5.	Dr.E.S Uma Maheshwari enquired about the assessment pattern.	Dr.Vijay explained the assessment pattern.
6.	Dr.Vijaya suggested to include 'Academic Word List' book by Averil Coxhead.	The book will be included in the reference list.

U22ENI12201 – Essential Skills for Employability

S. No	Comments by Expert Members	Action Taken
1.	Dr.Vijaya suggested to include positive psychology and multiple intelligences concept by Gardner.	Dr.Vijay replied that the suggestion is well taken.
2.	Dr.E.S Uma Maheshwari opined the curriculum is designed as per the employability requirements.	Dr.Vijay affirmed the suggestion.
3.	Dr.Vijaya suggested to include "Presentation Skills for Students" by Lucinda Becker in the reference.	Dr.Vijay replied that it will be included in the reference.
4.	Dr.Vijaya suggested to enable students to use first language as an advantage.	Dr.Vijay affirmed the suggestion.
5.	Mr. Abishek Paul Jackson suggested to bring native speakers for the cross-cultural component.	The component will be included as per the necessity.
6.	Dr.E.S Uma Maheshwari to include Time Management and Planning Skills in the third unit.	Dr.Vijay replied that it will be included.

New innovative strategies of course delivery were presented and discussed during the meeting. All the BOS members were appreciative of the efforts put forth by the department to teach the practical components through Problem-Based Learning (PBL). The members also appreciated the offering of Open Electives and One Credit Courses to cater the needs of the students. Dr.S Sreejana presented on how vocabulary enhancement activity was done through posters of movie scenes, advertisements and memes.

Language Electives Syllabus Discussion

Dr.Arokia Lawrence Vijay enunciated that the department continues to offer foreign languages like German, Japanese, Hindi and French as language electives and all these courses will be conducted for 60 hours. Students can take up the basic level in the first year and extend their learning in the higher years. The students will be motivated to complete their certification in these languages.

Dr.S G Mohanraj presented the list of question paper setters for approval. The panel will be submitted to the CoE and the selection will be done by the CoE.

Dr. Arokia Lawrence Vijay thanked all the experts and faculty members for their valuable suggestions and concluded the fruitful academic deliberation.

Signature:

Dr.S.G.Mohanraj BOS Coordinator / Dept of Languages and Communication	S. G. Mohanraj 24/6/22
Dr.Arokia Lawrence Vijay Chairperson BOS / Dept of Languages and Communication	Dr. Arokia Lawrence Vijay 24/6/22
Dr.Vijaya EFLU University, Lucknow	Dr. Vijaya 24/6/22
Dr. E S Uma Maheswari Anna University Nominee HOD English, GCE, Tirunelveli	Dr. E S Uma Maheswari 24/6/22
Mr. Abishek Paul Jackson Alumni Member / Managing Director & Secretary Benglen Public School, Coimbatore	Mr. Abishek Paul Jackson 24/6/22
Dr.J.Srikala, Dept of Languages and Communication	Dr. J. Srikala 24/6/2022
Dr.C.Tissaa Tony, Dept of Languages and Communication	Dr. C. Tissaa Tony 24/6/2022
Dr.S.Sreejana, Dept of Languages and Communication	Dr. S. Sreejana 24/6/2022
Dr.R.Hema, Dept of Languages and Communication	Dr. R. Hema 24/6/2022
Dr.A.S.Mythili, Dept of Languages and Communication	Dr. A. S. Mythili 24/6/2022



MINUTES OF BOARD OF STUDIES MEETING

Department : Dept. of Languages and Communication / SFS

Program : B.E / B.Tech

Venue : MS Teams

Date: 16-12-2021

Time : 11.00 a.m. to 12.30 p.m.

Participants of the Meeting:						
Name	Designation as per UGC	Orgn		Name	Designation	Orgn
Dr. E S Uma Maheswari	Anna University Nominee	GCE, Bodinaya kkanur, Theni		Dr.J.Srikala	Member	KCT
Dr. Sathyaraj Venkatesan	Subject Expert	NIT, Trichy		Dr.C.Tissaa Tony	Member	KCT
Dr. Vijaya	Subject Expert	EFLU, Hyderabad		Dr.V.Abirami	Member	KCT
Prof. Edwin Anthony Amalanathan	Representative relating to Placement	Santosh Rungta Group, Bhilai		Dr.S.Sreejana	Member	KCT
Mr. Abishek Paul Jackson	Alumni Member	Benglen Public School, CBE		Dr.R.Hema	Member	KCT
Dr.B.Arokia Lawrence Vijay	BOS Chairman	KCT		Dr.A.S.Mythili	Member	KCT
Dr.S.G.Mohanraj	BOS Coordinator	KCT				
Special Invitee:						
Dr.M.Ezhilarasi		Associate Dean – Academics & Head, School of Foundational Sciences			KCT	

Welcome note and introduction of members by Chairperson

Dr.Arokia Lawrence Vijay B, Chairman, Board of Studies - English, introduced and welcomed the committee members. The expert members present for the Board of Studies meeting are Dr. E S Uma Maheswari, Anna University Nominee, Professor & Head, Department of English, Government College of Engineering, Bodinayakkanur, Theni; Dr. Sathyaraj Venkatesan, Associate Professor, National Institute of Technology (NIT), Trichy; Prof. Edwin Anthony Amalanathan, Joint Director (Training & Placement), Santosh Rungta Group of Institutions, Bhilai; Dr. Ezhilarasi M, Associate Dean – Academics & Head, School of Foundational Sciences; and the faculty members of the Department of Languages and Communication, KCT.

Agenda of the meeting

1. Welcome and introduction of members by Chairperson, BOS.
2. Presentation and deliberation on curriculum and syllabus – Language Electives & Bridge Course.
3. Presentation and deliberation on course delivery and assessment methods.
4. Concluding remarks by Chairperson, BOS.

Bridge Course Syllabus Discussion

Dr.S G Mohanraj, the BoS Coordinator briefly outlined the Language Electives & Bridge Course syllabus for I year B.E., B.Tech students entitled U18ENT0101 - Language Competency Enhancement and syllabus for PG students titled Proficiency Enhancement - P18ENT0101.

Dr.Arokia Lawrence Vijay presented the Bridge Course Syllabus entitled Language Competency Enhancement which is prepared with the objective of orienting the students on the LSRW skills planned for 30 hours. He opined that the Bridge Course aimed at Bridging the Gap between school and college level learning. A similar syllabus is proposed for PG students.

S. No	Comments by Expert Members	Action Taken
1.	Dr.Sathyaraj Venkatesan enquired whether there is an End Semester Exam.	Dr.Vijay replied that there are entry and exit tests and the marks would be entered in the marksheet, but it will not be included in the CGPA
2.	Dr.E.S Uma Maheshwari inquired about the weightage of marks and how students will be categorised and trained.	Dr.Vijay replied that the students scoring the marks between 0-60 are classified as beginners, 61 to 85 are termed intermediate and above 85 will fall into the advanced level. He also added that each faculty is allotted 20 students from the

		beginner level for special coaching. There will be fortnightly review to discuss the progress of the students.
3.	Dr.E.S Uma Maheshwari suggested to include pronunciation training in the Bridge Course syllabus.	The component will be included as per the necessity.

Language Electives Syllabus Discussion

Dr.S G Mohanraj stated that English is mandatory for all the students. Foreign languages like German, Japanese, Hindi and French are offered as electives and will be conducted for 60 hours. The training of Foreign languages is outsourced. Students can take up the basic level in the first year and extend the learning in the higher years. Prof. Edwin Antony applauded the effort and stated that it is the need of the hour.

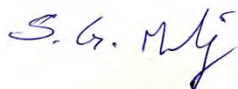
Presentation and Deliberation on Course Delivery and Assessment Methods

Dr.S G Mohanraj stated that the college is also offering all subjects in the Project Based learning method. With the evaluation of the projects been done by industry experts. Dr.Vijay elaborated that the PBL mode could be started with speaking components. Dr.Sathyaraj Venkatesan enquired on the planning for execution in the classroom. Dr.Vijay replied that the PBL could be narrowed down by collecting data, analysing and presenting the problems with possible solutions. Dr.Sathyaraj Venkatesan enquired whether this method is tested already and enquired on the evaluation process. Dr.Vijay explained that there will be continuous assessment and Viva voce examination at the end of the semester. Dr.S G Mohanraj illustrated the SWOT analysis activity planned for the speaking activity for Fundamentals of Communication I.

S. No	Comments by Expert Members	Action Taken
1.	Prof. Edwin Antony suggested to have case studies and case lets, which can be given where close-ended and open-ended analysis could be included as it would add more weightage.	This will be considered during the execution process.
2.	Dr.Sathyaraj Venkatesan expressed that case lets would be making the course more management oriented and focus for communication aspect will be reduced.	It was agreed and this thought will be considered during the implementation process.
3.	Prof. Edwin Antony expressed that the interdisciplinary approach would enhance learning.	All their thoughts were accepted and will be implemented during the teaching-learning process.

	Dr.Sathyaraj Venkatesan suggested to have a plan and demarcate the activities and let the students to discuss and identify the problems.	
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Dr. Arokia Lawrence Vijay thanked all the experts and faculty members for their valuable suggestions and concluded the fruitful academic deliberation.



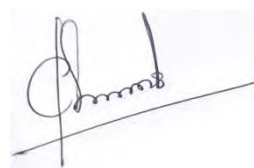
Dr.S.G.Mohanraj
BOS Coordinator / English



Dr.Arokia Lawrence Vijay
Chairperson BOS / English



Dr. E S Uma Maheswari
Anna University Nominee /
Professor
HOD English, GCE, Tirunelveli



Dr. Sathyaraj Venkatesan
Subject Expert / Associate
NIT, Trichy



Prof. Edwin Anthony Amalanathan
Representative relating to Placement
Joint Director
Santosh Rungta Group of Institutions (R1)
Bhilai - Raipur (C.G.).



Mr. Abishek Paul Jackson
Alumni Member /
Managing Director & Secretary
Benglen Public School
Coimbatore



MINUTES OF BOARD OF STUDIES MEETING

Department : Dept. of Languages and Communication / SFS

Program : B.E / B.Tech

Venue : MS Teams

Date: 23-06-2021

Time : 3.00 p.m. to 5.20 p.m.

Participants of the Meeting:						
Name	Designation as per UGC	Orgn		Name	Designation	Orgn
Dr. E S Uma Maheswari	Anna University Nominee	GCE, Tirunelveli		Dr.J.Srikala	Member	KCT
Dr. Sathyaraj Venkatesan	Subject Expert	NIT, Trichy		Dr.C.Tissaa Tony	Member	KCT
Dr. Vijaya	Subject Expert	EFLU, Hyderabad		Dr.V.Abirami	Member	KCT
Prof. Edwin Anthony Amalanathan	Representative relating to Placement	Santosh Rungta Group, Bhilai		Dr.S.Sreejana	Member	KCT
Mr. Abishek Paul Jackson	Alumni Member	Benglen Public School, CBE		Dr.R.Hema	Member	KCT
Dr.B.Arokia Lawrence Vijay	BOS Chairman	KCT		Dr.A.S.Mythili	Member	KCT
Dr.S.G.Mohanraj	BOS Coordinator	KCT				
Special Invitee:						
Dr.M.Ezhilarasi		Associate Dean – Academics & Head, School of Foundational Sciences			KCT	

Welcome note and introduction of members by Chairperson

Dr. S G Mohanraj, BoS Coordinator, welcomed and introduced the committee members. The expert members present for the Board of Studies meeting are Dr. E S Uma Maheswari, Anna University Nominee, Professor & Head, Department of English, Government College of Engineering, Tirunelveli; Dr. Sathyaraj Venkatesan, Associate Professor, National Institute of Technology (NIT), Trichy; Dr. Vijaya Srivastava, Assistant Professor of English, English and Foreign

Languages (EFL) University, Lucknow Campus; Prof. Edwin Anthony Amalanathan, Joint Director (Training & Placement), Santosh Rungta Group of Institutions, Bhilai; Mr. Abishek Paul Jackson, Managing Director & Secretary, Benglen Public School, Coimbatore; Dr. Ezhilarasi M, Associate Dean – Academics & Head, School of Foundational Sciences; and the Faculty of the Department of Languages and Communication, KCT.

Dr.Arokia Lawrence Vijay B, Chairman, Board of Studies - English, welcomed all the members and presented the silhouette of the meeting by presenting the agenda.

1. Agenda

- i) Elective Syllabus discussion**
- ii) Discussion on new syllabus for Academic Regulation 2022**
- iii) Approval of QP setters for End Semester Examination**

i) Elective Syllabus Discussion

Dr. S G Mohanraj, BoS Coordinator, invited the faculty members in charge of Open Electives to present the syllabus.

Dr. Tissaa Tony C presented the unit wise overview of the English for Research purpose course. It is a three-credit course offered for II and III-year students of B.E. / B.Tech under choice-based credit system. The comments of the experts are tabulated below:

S. No	Comments by Expert Members	Action Taken
1.	Dr. Sathyaraj and Dr. Vijaya suggested to include Plagiarism, Copyright, and Patent guidelines in the syllabus.	It was decided to include the same in the syllabus
2.	Dr. Uma suggested to include project-based topics.	Paper publication will be given as part of the project work.

Dr. Mythili A S presented the unit wise overview of the course of the Blog Writing syllabus. It is a three-credit course offered for II and III-year students of B.E. / B.Tech under choice-based credit system.

S. No	Comments by Expert Members	Action Taken
1.	Dr.Sathyaraj suggested to include Affiliate market, email marketing and Subject marketing in the syllabus.	The suggestions will be incorporated in the syllabus.
2.	Dr.Vijaya suggested to focus more on Language skills and include a component on reading blogs.	The suggestions will be incorporated in the syllabus.

3.	Dr.Uma suggested to make the practice session more effective.	Practice session would be carried on in a comprehensive manner.
4.	Dr.Sathyaraj and Dr.Vijaya suggested to make the session more practical oriented.	It was decided to make students create their own blogs.
5.	Prof. Edwin and Dr.Sathyaraj suggested to give hands-on training to the students by making them work on blogs with awareness of copywriting and patenting rules.	It will be ensured during the teaching process.

Dr.Mythili A S presented the unit wise syllabus of the open elective course on Etymology.

It is a three-credit course offered for II and III-year students of B.E. / B.Tech under choice-based credit system.

S. No	Comments by Expert Members	Action Taken
1.	Prof. Edwin and Dr.Sathyaraj suggested to include derivation and origin of words in the syllabus from the historical perspective.	The suggestions will be incorporated in the syllabus.
2.	Dr.Sathyaraj suggested to include Lexicography and strategies on vocabulary development	The suggestions will be incorporated in the syllabus.
3.	Dr.Uma suggested to include importance and benefits of learning Etymology	The suggestions will be incorporated in the syllabus.

Dr.J.Srikala presented the unit wise overview of the course Creative Writing through Literature. It is a three-credit course offered for II and III-year students of B.E. / B.Tech under choice-based credit system.

S. No	Comments by Expert Members	Action Taken
1.	Dr.Vijaya suggested to include stylistic components and concepts of creativity in the syllabus.	It was agreed to incorporate the same in the teaching methodology.
2.	Dr.Sathyaraj opined that the course should include different forms and genres of writing. Works of Indian writers to be included. He also suggested to include writings from various continents to be included. He also suggested to conduct a workshop on poetry reading.	The possibilities of restructuring the course will be considered.

3.	Dr.Uma suggested to specify the genres and assign work accordingly.	The students will be given the option of choosing the genre of their interest and working.
4.	Dr.Vijaya suggested to showcase the skills and subskills that will be focused in the course.	It was agreed to incorporate the same in the teaching methodology.
5.	Dr.Sathyaraj and Dr.Vijaya suggested to outline the evaluation process	It will be incorporated in the syllabus.

New Syllabus - Academic Regulation 2022

Dr.Arokia Lawrence Vijay invited suggestions from the BoS committee members for the new syllabus to be framed for the first-year students in the academic year 2022.

Dr.M.Ezhilarasi, Dean & Head SFS, shared her perspectives on designing the syllabus.

She opined that several speech recognition software are shrinking the written aspect of the language. Hence more focus should be on the spoken skills required for the workspace.

Dr.Arokia Lawrence Vijay added that the heterogenous group of students have to be trained for various goals like higher studies, employment, etc., and hence the syllabus must cater to all these needs of the students.

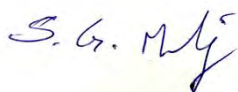
S. No	Comments by Expert Members	Action Taken
1.	Dr.Sathyaraj laid emphasis on focusing and strengthening higher order thinking skills to promote lateral thinking and the syllabus should not only be confined to LSRW.	All these suggestions will be considered while framing and implementing the new syllabi for Academic Regulations 2022. The draft syllabus will be circulated to all the members, and it will be finalized after getting their valuable inputs.
2.	Prof.Edwin opined that a paper focusing on email etiquette and competitive exams would benefit the students.	
3.	Dr.Sathyaraj suggested to spread out English courses for all the four years of study. This would help focussing on the employability skills.	
4.	Dr.Ezhilarasi M replied that every department is trying to offer more courses. Dr.Sathyaraj suggested to offer one credit course or Lab courses to hone the employability skills.	

5.	Dr.Vijaya suggested that occasionally screening films would help improve the speaking skills. And also include positive psychology aspects as it would encourage students to speak.	
6.	Dr.Ezhilarasi M sought the opinion of the experts in collaborating for courses with other universities.	
7.	Prof.Edwin replied that exchange of students and faculty with foreign universities are possible. He also added that expert can offer training to faculty to enhance knowledge and skill.	
8.	Dr.Vijaya suggested that a google document could be shared with the experts so that all the suggestions could be collated.	
9.	Mr.Abishek affirmed the opinion of the experts.	

iii)Approval of QP setters for End Semester Examination

The profile of the question paper setters for the End Semester Examination were presented to the experts and was approved.

Dr. Arokia Lawrence Vijay thanked all the experts and faculty members for their valuable suggestions.



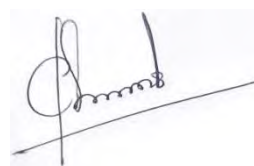
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MINUTES OF BOARD OF STUDIES MEETING

Department: Science & Humanities / English
Program: B.E / B.Tech

Venue: MS Teams

Time: 10.00 a.m to 12.30 p.m

Date: 19-11-2020

1. Welcome note and introduction of members by Chairperson

Dr. Arokia Lawrence Vijay B, Chairman, Board of Studies - English, introduced and welcomed the expert members Dr. E S Uma Maheswari, Anna University Nominee, Professor & Head, Department of English, Government College of Engineering, Tirunelveli; Dr. Sathyaraj Venkatesan, Associate Professor, National Institute of Technology (NIT), Trichy; Dr. Vijaya Srivastava, Assistant Professor of English, English and Foreign Languages (EFL) University, Lucknow Campus; Dr. Ezhilarasi M, Head, Department of Science and Humanities; and the Faculty of the Department of English.

2. Syllabus

U18ENI1202 - Fundamentals of Communication-I

Dr. S G Mohanraj, BoS Coordinator, briefly outlined the Fundamentals of Communication-I syllabus which are listed below:

- i) Speaking assessment are conducted online
- ii) Digital assignments are given in both synchronous and asynchronous sessions.
- iii) The revised syllabus caters to all levels of learners since equal weightage is given for both productive and receptive language skills. The course consists of 60 periods and each unit is allotted 12 periods.

S. No	Comments by Expert Members	Action Taken
1.	Dr.Sathyaraj and Dr.Uma emphasized to give importance to writing skills.	It was explained that equal weightage is given for all the four skills. The grammatical topics are integrated and taught in a functional method.
2.	Dr.Sathyaraj and Dr.Uma suggested to take common errors to Unit V.	The topic was changed to Mother Tongue Influence in relation to Pronunciation and Redundancy and it will be dealt in Unit II.
3.	Dr.Sathyaraj opined that paragraph writing should be sequenced in the Unit V.	Necessary changes were made in the syllabus.
4.	Dr.Sathyaraj and Dr.Vijaya suggested to rework the references provided.	Reference section was reworked as per the suggestions of the expert members.
5.	Dr.Vijaya suggested to provide a vocabulary list to students as it is essential for engineering students.	Since it is heterogenous group, separate lists will be prepared and shared in higher semesters.
6.	Dr.Uma enquired whether the sub-skills of reading were dealt in the syllabus.	It was explained that the sub skills of reading like skimming and scanning are already included in the syllabus.
7.	Prof. Edwin suggested to give branch specific journals to students and asked them to read and present the summary.	It will be incorporated in the teaching methodology and beyond the syllabus content.

U18ENI2202 - Fundamentals of Communication-II

Dr.S G Mohanraj, the BoS Coordinator briefly outlined the syllabus of Fundamentals of Communication-II

S. No	Comments by Expert Members	Action Taken
1.	Dr.Sathyaraj found that the syllabus is focussed on creative and critical thinking.	-
2.	Dr.Sathyaraj opined that Unit-I is heavily loaded and hence it can be distributed to Unit-III. He suggested to include <i>Talk like Ted</i> in the reference list. He also suggested to elevate the reference list.	Resume Writing and Creating Online Profile were included in Unit III. Reference section was reworked as per the suggestions of the expert members.
3.	Dr.Sathyaraj suggested that instead of case studies, caselets could be given as it will help students at the beginner level.	Caselets included along with Case Studies in Unit V.
4.	Dr.Vijaya suggested that listening and speaking to be fleshed out well with finer details. She added that the grading of the unit should be from lower order to higher order skills.	Listening and speaking activities have been rearranged as per the suggestions.
5.	Dr.Uma suggested to include company profile and resume in the same unit.	Resume writing and creating online profile have been shifted to Unit III along with company profile.
6.	Dr.Vijaya suggested to include drama so that it would help students overcome their diffidence and inhibitions.	It was explained that role play is included in the syllabus which will cater to the needs.

Value Added Course

Speak English Professionally

The course is available in Coursera and the assessment will be done by internal staff members. It is an optional course offered to the I-year students of B.E. / B.Tech. Students opting for this course will gain an extra credit and the marks scored will reflect in their gradesheet.

S. No	Comments by Expert Members	Action Taken
1.	Dr.Vijaya enquired whether the courses offered on Swayam portal are referred to the students for taking up online courses.	It was informed that NPTEL courses are referred to senior students pursuing II, III and IV-year B.E. / B.Tech courses.

2.	Dr.Uma suggested to include two more website links in the reference.	It was informed that the link provided in the syllabus is the link where the students can register the course and take up the course online via Coursera.
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Open Elective

U18ENO0014 - English for Career Pursuits

Dr.R.Hema presented the unit wise overview of the course. It is a three-credit course offered for II and III-year students of B.E. / B.Tech under choice based credit system.

S. No	Comments by Expert Members	Action Taken
1.	Dr.Vijaya suggested to include a vocabulary list and assess.	It was agreed to incorporate the same in the teaching methodology.
2.	Dr.Sathyaraj opined that the course is heavily loaded since it has only limited number of hours to deliver. He also suggested to reorient the structure of the course.	The possibilities of restructuring the course will be considered.
3.	Prof. Edwin said that the introductory course could be offered in the II year and a more functional course could be offered in the third year.	The department of English will look into the possibilities of offering a new open elective course to cater the needs.

Open Elective

Art of Cracking English

S. No	Comments by Expert Members	Action Taken
1.	Dr.Sathyaraj suggested to include synonyms and antonyms since these are commonly found in competitive exams. He also added that including previous year question papers would be useful.	It was explained that both these topics are covered under the title vocabulary. Previous year question papers are included for

Dr Uma raised a query as to why error spotting and error correction are dealt separately

practice and assessment

It was explained that these topics are handled separately since a few questions deal with error spotting and a few questions deal with error correction

3. Course Delivery - Mode and effectiveness

Suggestions by Members: The expert members suggested methods like providing the list of vocabulary to the students and training them. The list will be provided as per the student's field of engineering in senior semesters.

4. Course Assessment - Mode and effectiveness,

Suggestions by Members: The expert members found the assessment strategy and rubrics for evaluation to be good.

5. Student's knowledge and skill development

Activities related to international English examinations and soft skills will be carried out beyond the regular class hours to disseminate the information to the students.

Dr.Ezhilarasi, Head, Department of Science and Humanities, briefed on the Project Based Learning that is proposed to be offered to the I-year B.E. / B.Tech students. The process of language learning would be integrated into the project making exercise. This model is adopted from the Olin College of Engineering, Massachusetts. She also elucidated that the students would identify problems in the society and find solutions for those problems by delving deeper into science via English.

Suggestions by Members: Dr.Sathyaraj appreciated the open-endedness of the program. Dr.Vijaya also appreciated the great initiative in view with the National Education Policy.

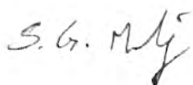
6. Faculty and support faculty development / training

It was conveyed that an Expert Discussion on Humanities Research Possibilities was conducted on 28 October 2020 with Dr.Merin Simi Raj from IIT Madras on the nuances of research publications and funding opportunities. There is a proposal to organise an FDP on Effective Teaching Methodologies.

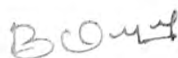
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Suggestions by Members: The expert members encouraged to conduct programs like this in future. Dr. Vijaya suggested to form clusters to write papers, publish and to work on projects. Dr. Sathyaraj appreciated the idea of forming research clusters in the English department. Prof. Edwin suggested that the new courses offered could be taken as the subject of research by comparing the proficiency level of students before and after taking the course. Dr. Uma concluded the meeting by appreciating the efforts taken by the department.

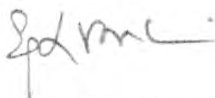
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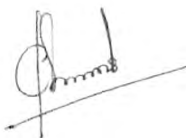
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Mr. Abishek Paul Jackson
Alumni Member /
Managing Director & Secretary
Benglen Public School
Coimbatore



Minutes of the meeting

A meeting was convened by Dr. Pink on 14-12-2018 at 3.15p.m.

The Agenda of the meeting was:-

- i) Welcoming Experts /Members/DOA Members
- ii) Introduction of Curriculum R19 (MCA Syllabus Semesters 2nd & 4th will undergo slight modification)
- iii) Discussion of Syllabus for the following courses:
 - a. First Year- Fundamentals of Communication –II
 - b. MCA Courses offered for the 2 & 4 Semesters - Professional Skills I and Professional Skills III.
- iv) Introduction to other Languages as Open Elective.
- v) Introduction on Elective Papers
- vi) Documentation
- vii) Closing Note

Minutes:

MCA: P18ENP2501- PROFESSIONAL SKILLS I & P18ENP4501 - PROFESSIONAL SKILLS –III

Dr. Pink informed the staff that based on the feedback from the MCA students post enrollment, slight restructuring of the syllabus in a progressive manner commencing from Basic, Intermediate to Advanced Levels have been made. (Semester 1 to 4)

The revised Syllabi for all the four semesters for MCA and Fundamentals of Communication - II are attached.

First years: U18ENI2201 – Fundamentals of Communication II

- i. Basic language skills LSRW have be focused on the syllabus
- ii. The modified syllabus highlights more on technical writing and speaking than general topics.
- iii. 20% of the syllabus has been replaced with technical writing topics giving importance to transferrable writing skills.
- iv. Since listening skills is catered to students in the first semester, more focus is given on productive skills like writing and speaking in the second semester.
- v. Topics that were combined in the earlier syllabus have been spread across the unit to enhance detailed technical knowledge.
- vi. Faculty members unanimously decided to have two batches and two faculty members per class for the speaking elements.
- vii. Equal weightage has been given for speaking and writing in the syllabus.
- viii. The listening components were integrated with speaking in the syllabus.
- ix. The above are the changes made for the syllabus – U18ENI2201 – Fundamentals of Communication II.

Open Elective:

The following courses were recommended through English Board to be carried as Open Elective courses throughout the institution:

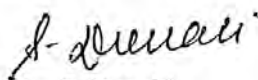
S. No	Department	UG Course Code	PG Course Code	SUBJECT
1.	English S &H	U15ENOE01	P15ENOE01	Art of Public Speaking
2.	English S &H	U15ENOE02	P15ENOE02	Human Rights and RTI Act
3.	English S &H	U15ENOE03	P15ENOE03	Creative Writing through Literature
4.	English S &H	U15ENOE04	P15ENOE04	Indian Heritage & Self Realization
5.	English S &H	U15ENOE05	P15ENOE05	Mass Communication and Journalism

6. English S &H U15ENOE06 P15ENOE06 Art of Research Paper Writing/How to do Literature Review
7. English S &H U15ENOE07 P15ENOE07 English for Effective Communication
8. English S &H U15ENOE08 P15ENOE08 Japanese Language (Basic) and culture New Course)
9. English S &H U15ENOE09 P15ENOE09 Indian Government and Politics
10. ENGLISH S&H U15ENOE10 P15ENOE10 Working Tamil for Engineers
11. ENGLISH S&H U15ENOE11 P15ENOE11 Spoken French

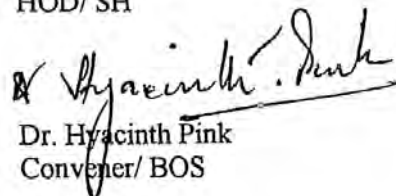
Members representing Open elective are -

1. MS. Indumathi as a Spoken French expert
2. Dr. Dr. Jeeva Kalyanasundaram as an RTI expert
3. Mr. Tomoharu Kodama as a Japanese language expert
4. Mr. R. Karthi Kumar for Working Tamil For Engineers expert
5. Tomoharu Kodama for Japanese language expert

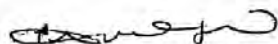
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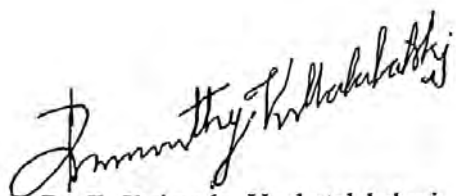
Dr. P. Devaki
HOD/ SH



Dr. Hyacinth Pink
Convener/ BOS



Mr. Anith Prem Malaravan M
BOS Coordinator



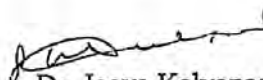
Dr. T. Shrimathy Venkatalakshmi
University Nominee /
HOD English Anna University



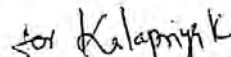
Dr. K. Sasirekha
Subject Expert /
Dept. of English Mepco Schlenk Engineering College



Mr. Pitchaimuthu K
Tamil Expert



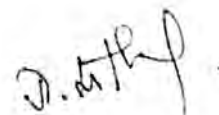
Dr. Jeeva Kalyanasundaram
RTI Expert



MS. Indumathi
Faculty / French



Tomoharu Kodama
Japanese expert



Minutes of the meeting

English Board of Studies meeting was convened by Dr.K.Devadoss on 10.07.2017 at 3.00 P.M.

The Agenda of the meeting was:-

i) Welcoming Experts /Members/DOA Members

ii) Introduction of Curriculum R17

iii) Discussion of Syllabus:

- a. U17ENI1201 – English for Cognizance
- b. U17ENP2501 – English for Placement Purposes
- c. U17ENP2502 – English for Competitive Exams
- d. U17ENP2503 – English for Research Purposes

iv) Documentation

v) Closing Note

Minutes:

Dr.K.Devadoss deliberated the BOS members that a new regulation is being followed from academic year 2017-18 and a new set of syllabi has been framed for the 1 year students.

In Semester I, all the first year B.E./B.Tech students will take up a common English course U17ENI1201 – English for Cognizance, which will be a combination of Theory and Laboratory components with 2 credits.

In Semester II, elective courses for all the first year B.E./B.Tech students in the form of U17ENP2501 – English for Placement Purposes, U17ENP2502 – English for Competitive Exams & U17ENP2503 – English for Research Purposes is being proposed. All these courses will be practical courses. Students will have the option to select any one of these courses during the second semester.

U17ENI1201 – English for Cognizance

- i. Basic language skills LSRW is focused
- ii. The syllabus highlights technical writing and LSRW skills.
- iii. Writing skill is given more importance.
- iv. Listening skill also takes its part in the syllabus to make the students proficient in language.
- v. Topics were carefully drafted to provide technical knowledge to the students.
- vi. BOS members unanimously decided to have this syllabus.

U17ENP2501 – English for Placement Purposes

- i. Placement related topics will be the main focus of the syllabus
- ii. The syllabus will also include the language skills in focus.
- iii. Extensive writing practice will be provided to the students.
- iv. Placement related activities like Group Discussion, Presentation, Mock Interview will be provided to students to get good placements.
- v. BOS members insisted to integrate soft skills in the syllabus.

U17ENP2502 – English for Competitive Exams

- i. The syllabus will help the students to crack the English components related to competitive exams
- ii. Logical reasoning questions and verbal questions practice will be given to the students taking up this course.
- iii. Components like Paragraph Writing, Creating Advertisements, Transcoding Graphics, etc., will help the students to think critically and creatively.
- iv. BOS members agreed to have this syllabus.

U17ENP2503 – English for Research Purposes

- i. This syllabus would focus on making the students to write a research paper.
- ii. Nuances of writing research articles and projects will be dealt in this syllabus.
- iii. Literature review & research methodology also will be taught to the candidates.
- iv. BOS members suggested to make the candidates publish a research article as an outcome of this course.

Dr.K.Devadoss concluded the meeting with a note that all the suggestions will be carried out in the syllabus.



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and
Accreditation Council)

GRADE
A++

Master of Business Administration



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GRADE
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Master of Business Administration

Sl. No.	Date of Board of Studies meeting
1.	25.02.2023
2.	22.07.2022
3.	28.08.2021
4.	19.06.2021
5.	25.11.2020
6.	04.04.2018

Minutes of the Meeting

XXIII Board of Studies - MBA Program

Saturday 25, February 2023 | MS Teams - 10 AM – 11 AM

The XXIII Board of studies meeting for Department of Management Studies, Kumaraguru College of Technology, Coimbatore was held on Saturday, 25nd February 2023 from 10.00 AM to 11.00 AM via MS-Teams to discuss and approve the:

- a) Amendments proposed in R-2021 (amended) curriculum and regulations.
- b) Amendments proposed in R-2022 curriculum and regulations for MBA (Project Management)
- c) Discussions for further improvements

Members Present

1. Dr. Mary Cherian, Head of Department, KCT.BS – BoS Chairman
2. Dr. Thamaraiselvan Natarajan - Professor, Department of Management Studies, NIT Trichy, University Representative, Anna University
3. Dr. Chitramani P - Professor & Academic Expert, AIHSHEW, Coimbatore.
4. Mr. Ravi K - Chief Finance Officer, Roots Industries Ltd., Coimbatore
5. Mr. Dinesh Kumar S. K. - Project Lead, Lantrasoft Pvt. Ltd. Coimbatore.
6. Ms. Krishna Rubigha - Founder, CEO Ampere Voltage Consulting Pvt. Ltd., CEO - ISES.
7. Dr. V Kannan, Professor, KCT.BS
8. Dr.K.R. Senthilvel Kumar, Professor, KCTBS
9. Dr. V Shripria, Professor, KCT.BS
10. Dr. R. Vinayagasundaram – Associate Professor, KCT.BS
11. Dr. V. Kaarthikeyan - Associate Professor, KCT.BS
12. Dr. S. Sangeetha - Associate Professor, KCT.BS
13. Dr. K. Priyatej Murthy, Associate Professor, KCTBS
14. Dr. B. Poongodi – Associate Professor, KCT.BS
15. Dr. Latha A - Assistant Professor, KCT.BS
16. Dr. P. Mohanamani- Assistant Professor, KCT.BS
17. Ms. Vanitha N- Assistant Professor, KCT. BS
18. Dr. Aman Kumar Dubey – Professor, [MBA-IEV] FORGE

Apologies Received:

1. Mr. Adharsh, CEO & Founder, Aindra Systems. Bangalore
2. Mr. Dinakar Dass. Managing Director – Amplifi, Greater Jakarta Area, Indonesia
3. Dr. Easwaramoorthy Rangaswamy - Principal & Provost, Amity Global Institute, Singapore 238466

Proceedings of the Meeting

Agenda Item No: 23 BOS - 1: Welcome address and setting the context.

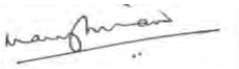
Dr. Mary Cherian welcomed the gathering and introduced the members to the Board of Studies meeting. The context was set to discuss the amendments proposed in R-2021 (amended) new for MBA – Regulations 21 and amendments proposed for MBA [PM] – R 2022

Agenda Item No: 23 BOS -2: Presentation of MoM and ATR of 21st and 22nd Board of Studies

Dr. V. Kaarthikheyan presented the minutes of meeting and Action Taken report for MBA and MBA [PM] of the 21st BoS and 22nd BoS conducted on 28th August 2021 and 22nd July 2022 respectively for approval. The relevant action taken as suggested by the previous board is presented as under

REGULAR MBA

ACTION TAKEN REPORT ON MoM of 22nd BoS conducted on 22.07.2022.

S. No	Agenda No	Description	Discussion Lead	Amendments Suggested	Action Taken
1	22 BoS 12	Curriculum Revision Elective Course	Dr.Chitramani	Workflow in ERP to be included. Application of SPSS software in the domain of Analytics.	Approved and incorporated in ERP course
2	22 BoS 12	Curriculum Revision Elective Course	CA.Ravi K	Inclusion of Cyber Security Act	Approved and incorporated in Disruptive Technologies Course
3	22 BoS 12	Curriculum Revision Elective Course	Mr. Dhinesh Kumar	Inclusion of Predictive Analysis in AI-HRIS course	Approved and included in the course
4	22 BoS 12	Curriculum Revision Elective Course	Ms. Krishna Rubiga	Suggested to include ESG	Have been included in Strategic Management
5	22 BoS 12	Curriculum Revision Elective Course	Dr. Easwaramoorthy	Prof suggested to include IoT and allied topics into the curriculum	Included in various course of Analytics in R- 2021 (Amended)
6	22 BoS 12	Curriculum Revision Elective Course	Dr. Easwaramoorthy	Recommended to offer Python course for students who have opted for Analytics	A New course “Python for Data Sciences has been offered as Elective course for students opted for Analytics.
<p style="text-align: center;">BoS Chairman:</p> 					

MBA (Project Management)
ACTION TAKEN REPORT ON MoM of 21st BoS conducted on 28.08.2021.

S. No	Agenda No	Description	Discussion Lead	Amendments Suggested	Action Taken
1	2	Presentation of Syllabus for R-2022	Dr. Kannan V	Revision and amendment of syllabus	Approved
2	3.1 & 3.3	Amendments suggested from External Members	Mr.Ravi / Dr.Senthilkumar	Project Monitoring to be included	Already a part of Project Planning and control course
3	3.2	Amendments suggested from External Members	Dr.Chitramani	Provision of International certifications	CAPM certification training is a part of the program for all students. In addition, foreign languages courses viz., German, French and Japanese are also provided.
4	3.4	Amendments suggested from External Members	Dr.A.Chandrasekhar	To include communications skills training and convert Stakeholder Management into a core course	Communication skills training is already a part of the program. Converted Stakeholder Management as a core course
5	3.5	Amendments suggested from External Members	Mr.Rajiv Aravindan	To offer a course on Contract Management	Included a course on Contract Management
6	3.7	Amendments suggested from External Members	Dr. Thamaraiselvan	To cover Project Finance To offer relevant software training	Covered in Project Selection and Appraisal Course on Practical Application of Software included in the program already
7	3.8	Amendments suggested from External Members	Mr. Dinesh Kumar	To offer a course on Data Analysis	Already a part of Research Methodology course
8		Amendments suggested from External Members	Anna University Director - CAC	Basic course on Marketing to be included	Included a course on Marketing in the first semester

BoS Chairman:



The above Action Taken Reports (ATR) was reviewed and approved by the board.

Agenda Item No: 23 BOS 3: Presentation of amendments to Curriculum and Regulations 2021 (Amended)-MBA

- Dr. A. Latha briefed the various amendments specifically the regulations governing the attendance for 1/2/3/4 credit courses.
- Five amendments were proposed to R-2021 (Amended) curriculum for MBA (GM)
- Further, Dr. Latha also presented the amendments on the prerequisites and eligibility for undertaking of courses in Research methodology I & II.
- The amendments proposed are as follows:

1. **Attendance:** In Page 11- Class 4.1.3.A says about the minimum attendance required is 65 % of the attendance is required for 3/4/6 Credit course. Along with this, for 2 or 1 credit course – the student who secures only < 65 % attendance are not allowed to take the continuous assessment and they are expected to take up the exam next time.

2. **Pre-Requisite:** In Class 3.2 - Students are expected to clear Research Project I to become eligible for Research Project II.

3. **Assessment Evaluation Pattern for Research Project II:** Publication of article takes longer time. The weightage given for article publication is eliminated considering the time limitation.

4. **Credit Distribution for Financial Mgt and Wealth Management Courses:** Both the courses are embedded courses, but credit was not introduced for the practical element, earlier. Now credits are introduced for practical element now.

5. **Change of Subject Code:** Subject code is changed as per requirements for Security Analysis and Portfolio Management course.

Agenda Item No: 23 BOS 4: Presentation of amendments to Curriculum and Regulations 2022 MBA (PM)

S.No.	R22	R22(A)
1.	Marketing for Managers (<i>Open Elective</i>)	Changed as a Core Foundation course
2	Open Elective	Consumer Behaviour
3	Project Stakeholder Management (<i>Optional Elective</i>)	Changed as a Core Functional Course
4	Optional Elective	Project Contract Management
5	Absolute Grading	Relative Grading for a student strength greater than 30
6	Total credits - 102	Total credits - 105
7	End Semester Exam	4/ 3 credit courses - Duration is 2 hours

Agenda Item No: 23 BOS 5: Presentation of amendments to Curriculum and Regulations 2022 MBA (IEV)

- No Amendments were proposed for MBA (IEV)

Agenda Item No: 23 BOS 6: Approval for offering FCLF courses for KCT.

Flexible and Comprehensive Learning Framework (FCLF) is KCT's unique platform for students to study selected courses offered by other academic departments in the institution. Apropos, the following courses are being offered by KCT BS to other departments. Hence, the following courses were tabled for the board's approval.

S.NO.	DEPT	R15 COURSE CODE	R17 COURSE CODE	R18 COURSE CODE	R18 -R21 COURSE CODE	NAME OF THE COURSE
1	MBA	P15MBOE01	P17MBO0001	P18MBO0001	P18MBO0001 -R21	DESIGN THINKING
2	MBA	P15MBOE02	P17MBO0002	P18MBO0002	P18MBO0002 -R21	THE ART OF ADVERTISING AND COMMUNICATION
3	MBA	P15MBOE03	P17MBO0003	P18MBO0003	P18MBO0003 -R21	GLOBAL BUSINESS CULTURES
4	MBA	P15MBOE04	P17MBO0004	P18MBO0004	P18MBO0004 -R21	SOCIAL MEDIA MARKETING
5	MBA	P15MBOE05	P17MBO0005	P18MBO0005	P18MBO0005 -R21	DISRUPTIVE THINKING
6	MBA	P15MBOE06	P17MBO0006	P18MBO0006	P18MBO0006 -R21	IMPORT AND EXPORT PROCEDURE
7	MBA	P15MBOE07	P17MBO0007	P18MBO0007	P18MBO0007 -R21	INTRODUCTION TO CONSTITUTIONAL LAW
8	MBA	P15MBOE08	P17MBO0008	P18MBO0008	P18MBO0008 -R21	PERSONAL INVESTMENT MANAGEMENT
9	MBA	P15MBOE09	P17MBO0009	P18MBO0009	P18MBO0009 -R21	SELF AWARENESS AND LEADERSHIP
10	MBA	P15MBOE10	P17MBO0010	P18MBO0010	P18MBO0010 -R21	INTRODUCTION TO PROJECT MANAGEMENT
11	MBA	P15MBOE11	P17MBO0011	P18MBO0011	P18MBO0011 -R21	SOCIAL ENTREPRENEURSHIP
12	MBA	P15MBOE12	P17MBO0012	P18MBO0012	P18MBO0012 -R21	Corporate Social Responsibility and Social Marketing
13	MBA	P15MBOE13	P17MBO0013	P18MBO0013	P18MBO0013 -R21	Cost Accounting
14	MBA	P15MBOE14	P17MBO0014	P18MBO0014	P18MBO0014 -R21	Critical Thinking through Case Studies
15	MBA	P15MBOE15	Not offered			Startup fundamentals
16	MBA	P15MBOE16	P17MBO0015	P18MBO0015	P18MBO0015 -R21	Accountancy for First Generation Entrepreneur
17	MBA	P15MBOE17	P17MBO0016	P18MBO0016	P18MBO0016 -R21	Self-awareness and Personal Leadership
18	MBA	P15MBOE18	Not offered			ADVANCED DESIGN THINKING
19	MBA	P15MBOE19	P17MBO0018	P18MBO0018	P18MBO0018 -R21	PERSONAL TAXATION
20	MBA	P15MBOE20	P17MBO0017	P18MBO0017	P18MBO0017 -R21	ENTREPRENEURIAL FINANCE
21	MBA	P15MBOE21	P17MBO0019	P18MBO0019	P18MBO0019 -R21	PROCESS EXCELLENCE
22	MBA	P15MBOE22	P17MBO0020	P18MBO0020	P18MBO0020 -R21	BUSINESS PLAN DEVELOPMENT
23	MBA	P15MBOE23	P17MBO0021	P18MBO0021	P18MBO0021 -R21	PROCESS SAFETY MANAGEMENT
24	MBA	P15MBOE24	P17MBO0022	P18MBO0022	P18MBO0022 -R21	MARKETING AND BUSINESS STRATEGY FOR BEGINNERS
25	MBA	P15MBOE25	P17MBO0023	P18MBO0023	P18MBO0023 -R21	EXPORT IMPORT MGMT- AN COMPLETE INCLUSIVE ON EXPORT IMPORT MGMT
26	MBA	P15MBOE26	P17MBO0024	P18MBO0024	P18MBO0024 -R21	FUNDAMENTALS OF LOGISTICS FOR EXPORTS AND IMPORTS
27	MBA	P15MBOE27	P17MBO0025	P18MBO0025	P18MBO0025 -R21	DIGITAL MARKETING
28	MBA			P18MBO0026	P18MBO0026 -R21	ESSENTIALS FOR EMERGING LEADERS

- The board reviewed the course and approved the same.

Agenda Item No: 23 BOS 7: Suggestions from the External Members of the Board

- **CA.K.Ravi, CFO, Roots Industries, Coimbatore** queried about the proposed amendments on student's attendance and the relevant relaxation given. Dr. Mary Cherian clarified the attendance norms followed by KCT BS is 75% and a relaxation of 10 % is provided to students with genuine cases of medical emergencies and family exigencies.
- Justification of the changes made with Securities Analysis and Portfolio Management (Current Code with the amended one) was clarified. Current code: P21MBA0647 Revised Code: P21MBA0547 which shall be effect from academic year 2023-24 onwards.
- **Dr. Chitramani P - Professor & Academic Expert, AIHSHEW**, accepted the actions incorporated and the amendments proposed. She also suggested to maintain the current status quo of the amended curriculum for a minimum period of three academic years for any changes to be incorporated.
- **Mr. Dhinesh Kumar-Project Lead and Subject expert** recalled the benefits of the current contents of the curriculum and confirmed its reliability as a measure to curriculum enrichment.
- Finally, **Dr. Thamaraiselvan, Professor-NIIT Tiruchirappalli and Anna University Representative** brought forward the points as mentioned below:
 - The regulation related to attendance has to unambiguously clarified with reference to the mandatory requisite percentage of 75 % clearly. Further he insisted that the provision related to medical emergency and other exigencies are to be mentioned explicitly in the respective clause.
 - He further insisted to consider to the possibility to increase the current duration of End Semester Examinations (ESE) from 2 hours to 3 hours or to reduce the weightage for ESE if the exam is only for 2 hours.
 - The current syllabus for course Consumer Behaviour offered for MBA (PM) was discussed. It was suggested to modify the contents of the course with relevance to project/ industrial buyer behavior.

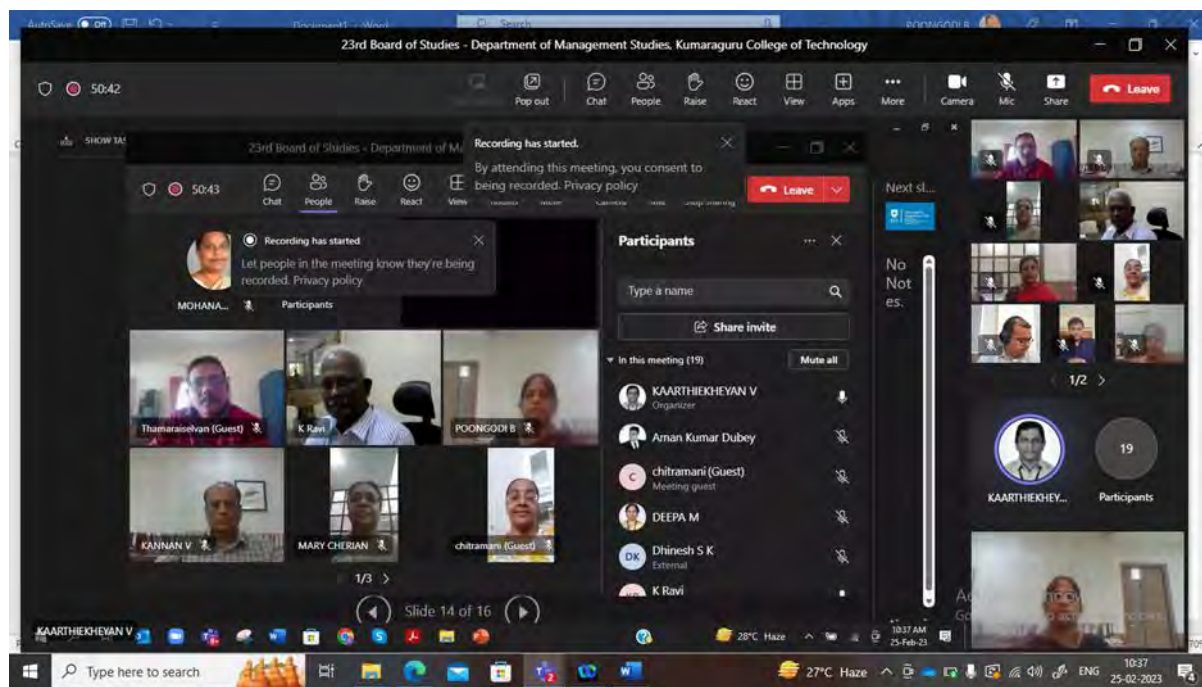
Agenda Item No: 23 BOS -8 Concluding Remarks

By the end of above discussions, the chairman of the board Dr. Mary Cherian expressed her deepest sense of gratitude to all the members for a lively and purposeful discussion as well as the valuable suggestions given by the Board Members. Since there were no other points to discuss the meeting was closed and vote of thanks was called for.

Agenda Item No: 23 BOS -9 Vote of Thanks

Meeting ended with vote of thanks by Dr.V. Kaarthikheyan Associate Professor, KCTBS.

PHOTO SESSION





Approved
(Dr. Mary Cherian)
Prof & Head
Chairman BoS
KCT Business School
Kumaraguru College of Technology
(KCT.BS – XXIII BoS Meeting Minutes (25th February 2023))



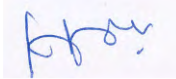

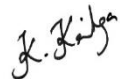
Minutes of the Meeting

XXIII Board of Studies - MBA Program

Saturday, February 25,2023 | MS Teams

(10 AM – 11.00 AM)

APPROVAL OF THE MEETING OF THE MINUTES

S. No	Name of the External Member	Designation	Approved
1	Dr. Thamaraiselvan N Professor, Department of Management studies National Institute of Technology, Tiruchy-620015	Anna University Representative	
2	Dr. P. Chitramani Professor, Department of Business Admn. Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore – 641043	Subject Expert	
3	CA. K. Ravi Chief Financial Officer, Roots Group of Companies, Coimbatore – 641006.	Industry Representative	
4	Mr. S K Dhineshkumar Project lead, Lantrasoft P. Ltd., Coimbatore – 641018.	Industry Representative	
5	Ms. Krishna Rubigha Founder, CEO Ampere Voltage Consulting Pvt Ltd. CEO (India) International Society for Energy and Sustainability Research (ISESR)	Alumni	

----END OF THE STATEMENT----

Minutes of the Meeting

XXII Board of Studies - MBA Program

Friday 22, July 2022 | MS Teams - 10 AM – 01 PM

The XXII Board of studies meeting for Department of Management Studies, Kumaraguru College of Technology, Coimbatore was held on Friday, 22nd July 2022 from 10.00 AM to 01.00 PM via MS Teams to discuss and approve the

- a) Presentation of New Regulations, Curriculum, and Syllabus of MBA 2021 [amended] and
- b) Presentation of proposed Amendment of Regulation and Curriculum for MBA (IEV) 2021

Members Present

1. Dr. Mary Cherian, Head of Department, KCT.BS – BoS Chairman
2. Dr. Thamaraiselvan Natarajan - Professor, Department of Management Studies, NIT Trichy, University Representative, Anna University
3. Dr. Chitramani P - Professor & Academic Expert, AIHSHEW, Coimbatore.
4. Dr. Easwaramoorthy Rangaswamy - Principal & Provost, Amity Global Institute, Singapore 238466.
5. Mr. Ravi K - Chief Finance Officer, Roots Industries Ltd., Coimbatore
6. Mr. Dinesh Kumar S. K. - Project Lead, Lantrasoft Pvt. Ltd. Coimbatore.
7. Ms. Krishna Rubigha - Founder, CEO Ampere Voltage Consulting Pvt. Ltd., CEO - ISESR.
8. Dr. V Kannan, Professor, KCT.BS
9. Dr.K.R. Senthilvel Kumar, Professor, KCTBS
10. Dr. V Shripria, Professor, KCT.BS
11. Dr. R. Vinayagasundaram – Associate Professor, KCT.BS
12. Dr. S. Jaishankar - Associate Professor, KCT.BS
13. Dr. V. Kaarthikeyan - Associate Professor, KCT.BS
14. Dr. S. Sangeetha - Associate Professor, KCT.BS
15. Dr. K. Priyatej Murthy, Associate Professor, KCTBS
16. Mr. Binu V S, Assistant Professor, KCT.BS
17. Dr. B. Poongodi – Assistant Professor, KCT.BS
18. Dr. Latha A - Assistant Professor, KCT.BS
19. Dr. Mohanamani P - Assistant Professor, KCT.BS
20. Mr. Vivek Raj S.N. - Assistant Professor, KCT.BS
21. Ms. Vanitha N- Assistant Professor, KCT. BS
22. Dr. Aman Kumar Dubey – Professor, [MBA-IEV] FORGE

Apologies Received:

1. Mr. Adharsh, CEO & Founder, Aindra Systems. Bangalore
2. Mr. Dinakar Dass. Managing Director – Amplifi, Greater Jakarta Area, Indonesia

Proceedings of the Meeting

Agenda Item No: 22 BOS - 1: Welcome Address and Setting the context

Dr. Mary Cherian welcomed the gathering and introduced the members to the Board of Studies meeting. The context was set to discuss the new regulations proposed for MBA – Regulations 21 and amendments proposed for MBA [IEV] – Regulations 2021

Agenda Item No: 22 BOS -2: Presentation of MoM and ATR of 20th Board of Studies (19.06.2021)

Dr. V. Kaarthikheyan presented the minutes of meeting and Action Taken report for MBA of the 20th BoS conducted on 19th June 2021 for approval. The minutes of the 20th Board of Studies for MBA were reviewed and approved by the board.

Agenda Item No: 22 BOS 3: Curriculum and Syllabus Revision Process for Regulations 2021 (Amended)

Dr. A. Latha briefed the various processes, measures and more specifically the credits and credit distribution with the description of the embedded courses incorporated into the proposed curriculum. She also iterated the contribution of various segments of stakeholders including Industry mentors, faculty experts and Alumni in designing the new Regulations and Curriculum 2022. Further the new guidelines from Anna University on the assessment pattern was brought up for discussion. The process of curriculum redesigning was described in detail during the meeting.

22nd Board of Studies Meeting - KCT Business School

Recording has started. By attending this meeting, you consent to being recorded. [Privacy policy](#)

Regulations 2021- 5.5 Embedded Course

Type	Description
An embedded course is a combination of theory component with the other component – viz Practical's, Project (P, J). The type of Embedded course is as follows	
1	Embedded Theory, Lab and Project
2	Embedded Theory and Lab
3	Embedded Theory and Project
4	Embedded Lab and Project

KCT

Senthilvel K., MARY CHE..., LATHA A., KAARTHIKHEY..., Thamaraisel..., +16

Agenda Item No: 22 BOS 4: Overview of Examination reforms and Assessment modifications

1. Dr. Mohanamani presented the examination reforms directed by the Anna University in detail including the introduction of relative grading system in lieu of the absolute grading system followed at present. She also explained the need for normalization and provision for use of absolute grading.

examination if he/she secures a minimum of 50% marks prescribed for the University end semester examinations alone.

AWARD OF LETTER GRADES

The award of letter grades will be decided based on relative grading principle. The relative grading is applicable to ONLY those students who have passed the examination as per the passing requirements enumerated above. For those students who have not passed the examination, Reappearance (RA) shall be awarded as shown in the below Table.

For those students who have passed the course, the relative grading shall be done. The marks of those students who have passed only shall be inputted in the software developed for relative grading. The evolved relative grading method normalizes the results data using the BOX-COX transformation method and computes the grade range for each course separately and awards the grade to each student. For a given course, if the students' strength is greater than 30, the relative grading method shall be adopted. However, if the students' strength is less than 30 then the fixed grading shall be followed with the grade range as specified below.

O	A+	A	B+	B	C	RA
91 - 100	81 - 90	71 - 80	61 - 70	56 - 60	50 - 55	< 50

- Further Dr. Mohanamani explained the adoption of CO - PO attainment into the regulations which was found to be consistent during the academic year concerned. It was also resolved that an enhancement of PO attainment is proposed for amendment from 55 % to 57 % from R21 onwards.

Agenda Item No: 22 BOS 5 Syllabus (R-2021 amended)- Core courses

Dr.K.R.Senthilvel Kumar briefed the BOS Members on the core courses that are provisioned in R21 amended curriculum. He also justified that the changes proposed was based on the suggestions of the members during the past BOS meeting and with a view to enhance the employability of the students. Internships with approved companies are also made mandatory during the proposed regulation that would facilitate on-the-job training. In addition, courses specific to business research are offered as two papers in two semesters that would help students to solve real time business issues. Dr. K.R. Senthilvel Kumar also explained the various core courses that are offered during R21 amended curriculum.

22nd Board of Studies Meeting - KCT Business School

52:51

GAARTHEKEYAN V

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Course Code Course Title Credits

Course Code	Course Title	Credits	L	T	P	SB	FW	PJ
10	Course Entrepreneurship Mindset & Methods	2	1	1				
11	Course Organizational Behaviour	2	2					
12	Course Data Analytics II	3	1	1	1	2		
13	Course Business Communication	2	2					
14	Functional Course	4						
15	Project	2						10
16	Course Strategic Management	4	2	1	2			
17	Course Sustainability Development	3	3					
18	Course Capstone Simulation	2		2	2			
19	Functional Course	1						
20	Project	3						15
21	Course Business Ethics	3	2		2			30
22	Course Legal aspects of Business	4	3		2			
23	Course International Business Management	4	3		2			
24	Functional Course	2						

The proposed elective courses were presented with justifications for their inclusions by the respective domain coordinators for approval.

Agenda Item No: 22 BOS 6 Syllabus (R-2021 amended)- Elective courses on Finance

Dr.D. Susana explained on the contents of the amendments incorporated which included Localization and financial inclusion, sustainability, technology, and legal aspects in the area of finance. She also presented an overview on the new courses viz., Corporate Finance, Cryptocurrency and Blockchain Technology

Agenda Item No: 22 BOS 7 Syllabus (R-2021 amended)- Elective courses on Marketing

Dr. B. Poongodi – Marketing, explained in detail the new courses in marketing which included Technology for Marketing decisions, short course on Personal Selling and B2B Marketing

Agenda Item No: 22 BOS 8 Syllabus (R-2021 amended)- Elective courses on Human Resources

Prof. Vanitha presented the new courses that are proposed from the HR Domain to the BoS Members. She justified that the concepts of Industry 4.0 were kept in focus while restructuring the Course Electives which included the next generation courses viz., Talent Management, HRIS with Artificial Intelligence, Diversity and Inclusion along with the current courses that are amended for the benefit of the student community at large

Agenda Item No: 22 BOS 9 Syllabus (R-2021 amended)- Elective courses on Operations

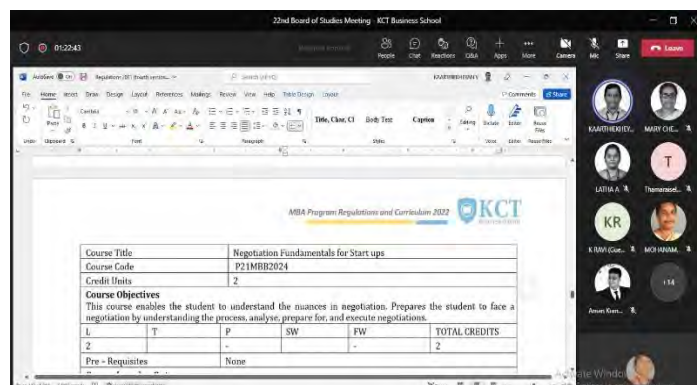
Dr. S.Jaishankar presented the courses that are proposed and amended by Center of Operations. He briefed the BOS members on the contents of the new course on Service Operations Management and other amended courses.

Agenda Item No: 22 BOS 10 Syllabus (R-2021 amended)- Elective courses on Analytics

Mr. S.N. Vivekraj explained the Elective courses that are to be offered by the Center of Analytics. He highlighted the important amendments incorporated in the courses, Machine Learning, Deep Learning, DBMS, Predictive Analytics, ERP and Python for Data Science.

Agenda Item No: 22 BOS 11 Syllabus (R-2021 amended)- Elective courses on Entrepreneurship

Dr. V. Shripria presented the courses from Entrepreneurship domain which included a full-fledged course on Business Modelling and Design Thinking. She also presented the other optional courses that predominantly covered the concepts on Social Enterprises and Sustainability.



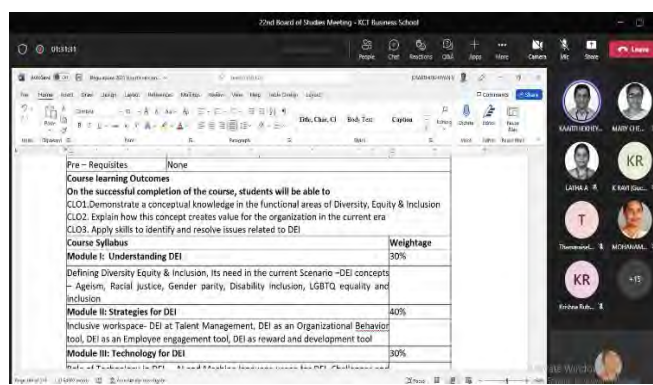
22nd Board of Studies Meeting - KCT Business School

Course Title: Negotiation Fundamentals for Start ups
Course Code: P21MBR2024
Credit Units: 2

Course Objectives
This course enables the student to understand the nuances in negotiation. Prepares the student to face a negotiation by understanding the process, analyze, prepare for, and execute negotiations.

	L	T	P	SW	FW	TOTAL CREDITS
2						2

Pre - Requisites: None



22nd Board of Studies Meeting - KCT Business School

Pre - Requisites: None

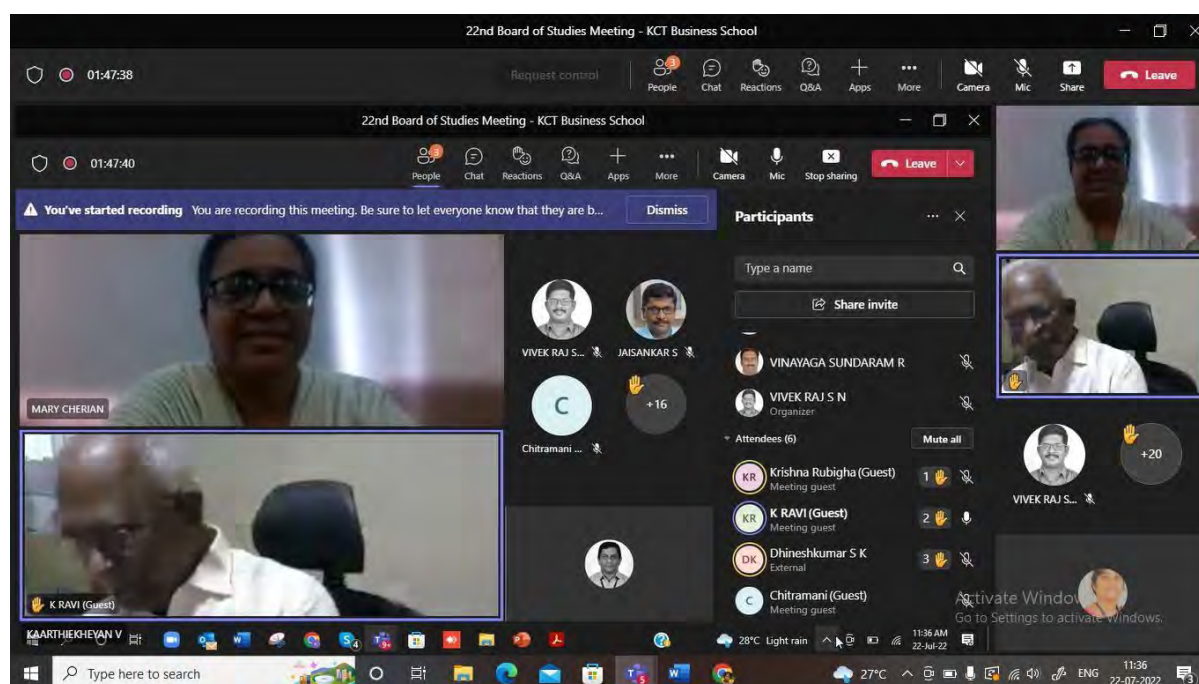
Course learning Outcomes
On the successful completion of the course, students will be able to
CLO1. Demonstrate a conceptual knowledge in the functional areas of Diversity, Equity & Inclusion
CLO2. Explain how this concept creates value for the organization in the current era
CLO3. Apply skills to identify and resolve issues related to DEI

Module I: Understanding DEI	Weightage
Defining Diversity Equity & Inclusion, its need in the current Scenario-DEI concepts - Ageism, Racial Justice, Gender parity, Disability inclusion, LGBTQ equality and Inclusion	30%
Module II: Strategies for DEI	40%
Inclusive workspace- DEI as Talent Management, DEI as an Organizational Behavior tool, DEI as an Employee engagement tool, DEI as reward and development tool	30%

Agenda Item No: 22 BOS 12: Panel Discussions from members

1. **Dr. Chitramani P - Professor & Academic Expert, AIHSHEW, Coimbatore** suggested that SCRUM applications can be included in Operations, Analytics and Systems Elective courses. In addition, the following points were suggested during the discussion:
 - i. Workflow in ERP can be included
 - ii. Use the student version from Microsoft navigation
 - iii. Application of SPSS software in the domain of Analytics
 - iv. Inclusion of topics and applications from RDBMS if possible
2. **CA.K.Ravi, CFO, Roots Industries, Coimbatore**

While appreciating the content and concepts of the Vision and Mission statements, CA. Ravi wished to understand how -wellbeing is collated with the curriculum as envisioned by the mission statements and suggested that courses on stress management may be offered. Further CA. Ravi was also eager to know about the available provisions for the faculty members to upgrade themselves thereby enhancing their career prospects.



- I. Dr.MC explained the several options provided to the faculty members related to Faculty Development Programmes.
- II. CA. Ravi added that yoga could be an practical aspect of stress management.
- III.Dr.MC replied that yoga is offered as a General Interest course.

Further to the discussion, CA. Ravi appreciated the

- PO attainment process as an OBE initiative. He also suggested the monitoring of the PO by mapping with Balance Score Card Index.
- Mr. Ravi suggested incorporating MSME component in the course curricula. Dr. Mary Cherian replied that coverage of MSME topics has already been assigned as mini project as a part of the marketing core and elective courses.
- Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013, must be included in the HR elective as its mandatory to be followed in companies

- Vigil mechanism for employee has to be there in the syllabus where awareness on this topic is very important for the future managers.
- As a part of Finance Electives, Business Valuation is important in today's context and has to be included as a separate elective course in Finance. Cyber security Act has to be included too.

3. Mr. Dinesh Kumar, Project Lead, Lantrasoft Pvt. Ltd. CBE.

- Sought the clarification on Internship & Research and Dr. Mary Cherian explained that these are separate courses with different course outcomes and credit weightages
- Suggested enhancing the contents of Industry 4.0 as the current topics are generic in nature—with more explanation on the tools too.
- Appreciated the introduction of AI and HRIS as the syllabus is promising with tools that would enrich the system concept of HR. Suggested the inclusion of topics on predictive analytics for the course.
- Further commenting about the syllabus and content on DBMS, Mr. Dhinesh firmly opined that the syllabus is significantly skewed towards SQL. He suggested focusing on hybrid DBs like SQL as currently the industry requirements are significant in this domain
- Project management course – Some more tools can be introduced.

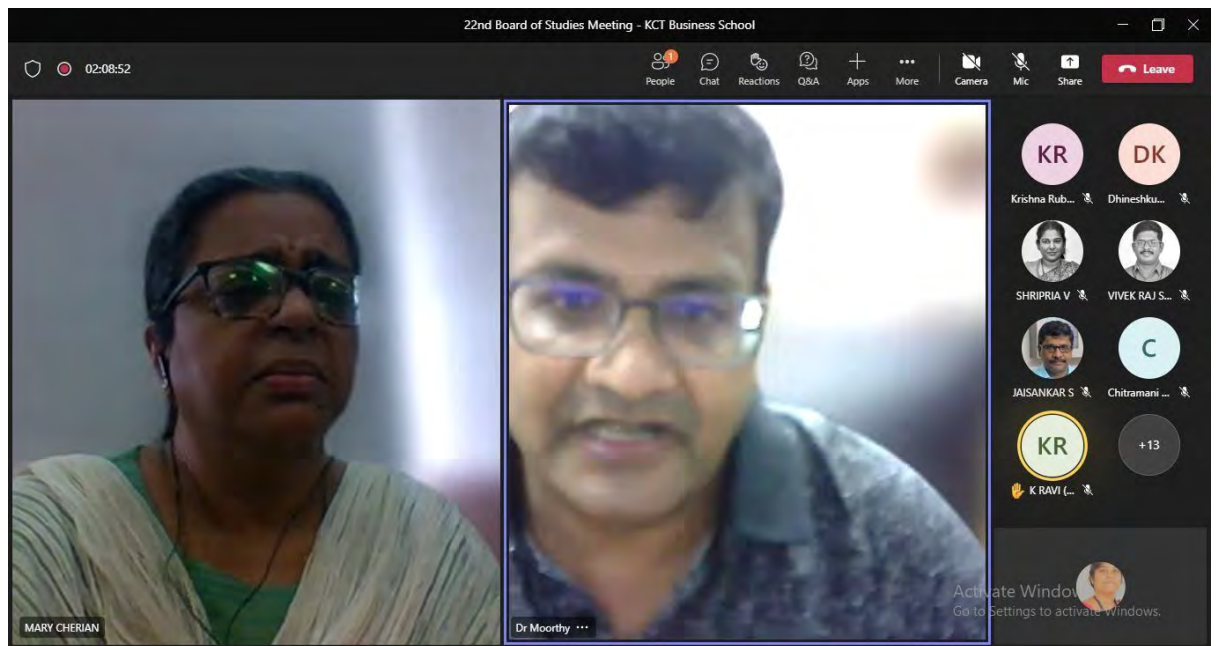
4. Ms. Krishna Rubiga, Founder, CEO Ampere Voltage Consulting Pvt. Ltd., CEO - ISESR.

- Appreciated the introduction of sustainability components in all the verticals
- Voluntary Sustainable Standards could be added as an extended topic in the sustainable development course
- The course Supply chain Management should be equipped with the sustainability concepts including Green Washing in Corporate Finance courses
- Suggested conducting more Faculty Student meetings to mentor students on career advancement specifically.

5. Dr. Easwaramoorthy Rangaswamy - Principal & Provost, Amity Global Institute, Singapore.

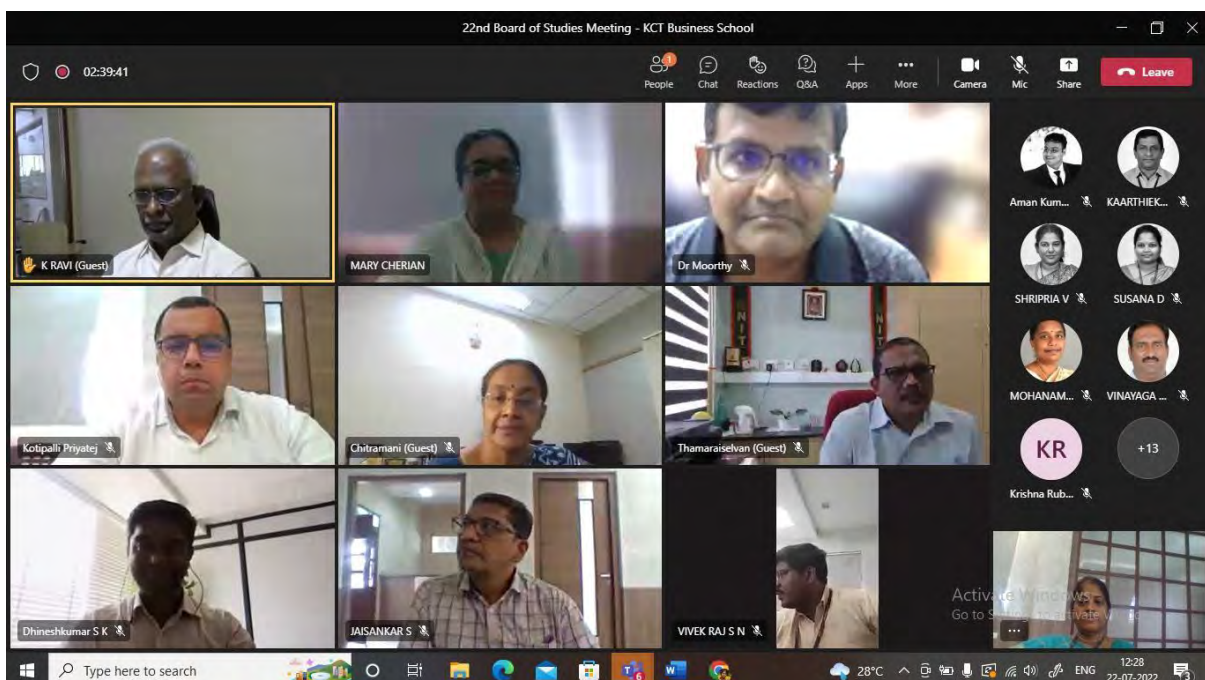
1. Commended the whole team and appreciated the syllabus amendments which are on par with the premier institutions
2. Appreciated the inclusion of Data Analytics and AI
3. Suggested including AI ethics and its relevant applications in medical diagnosis, chat boards, biometric identification, fraud detection, etc appropriately
4. In addition, inclusion of Intelligent Decision Support System was recommended to solve complex business problems
5. Referred the following globally recognized Text and reference books in ML and AI as follows:
 - Artificial Intelligence Business Applications 9781922300027 Mather, Bob 2018
 - Pattern recognition and machine learning 9781493938438 Bishop, Christopher M. 2006
 - Decision Support and Business Intelligence Systems: International Edition 0132453231, 9780132453233 Efraim Turban 2010
6. Dr. Easwaramoorthy further suggested including IoT eco systems with content including Functioning Framework, Access controls, Big Data Systems Architecture and Data Security Fundamentals

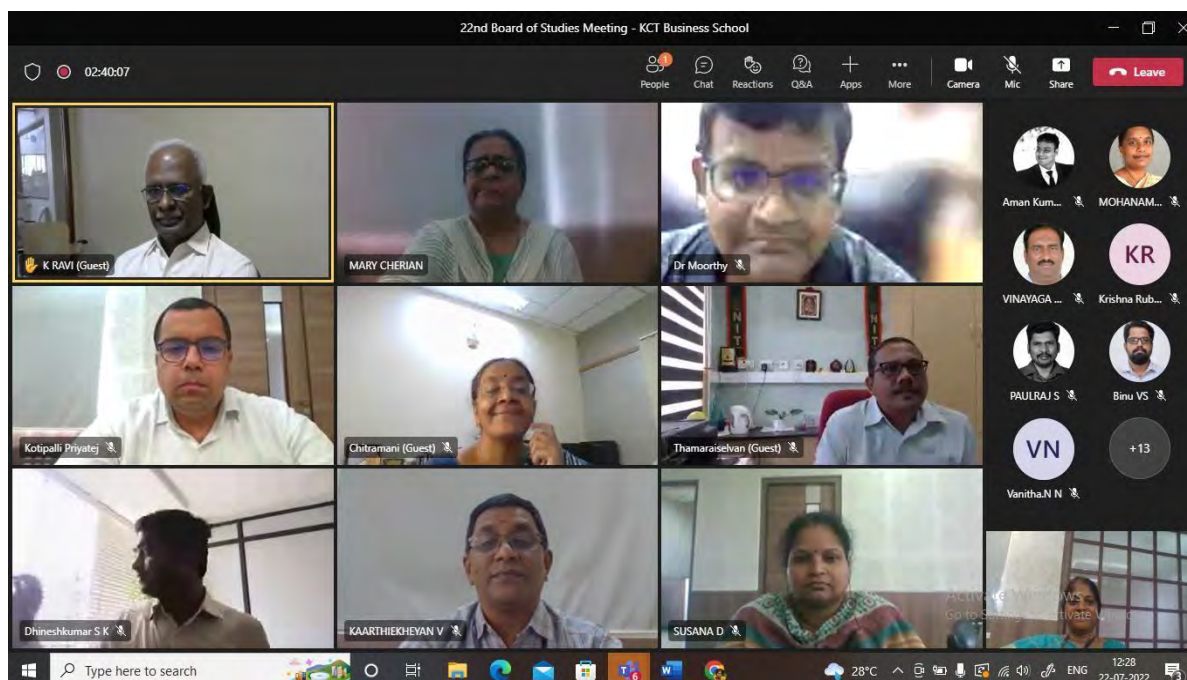
7. Suggested including the following in the appropriate courses on Digital Innovation and Change Management, Digital Optimisation, Analytics and Metrics, Python and Power BI.



6. Dr. Thamaraiselvan, Professor, Department of Management studies, National Institute of Technology, Tiruchy-620015

- Appreciated the syllabus structure and pedagogy that is on par with the premier institutions
- Enquired about the incorporation of the constituted items from New Education Policy and NPTEL courses.
- Suggested incorporating the academic bank credit that should be given equal importance in the new curriculum
- Dr. Thamaraiselvan also insisted on adhering to flexible structure with more emphasis on internal assessments wherever possible in tandem with the norms prescribed by Anna University.





Agenda Item No: 22 BOS 13: Presentation of Panel of Question Paper Setters and Examiners

Dr. V. Kaarthiekheyan briefly showcased the list of approved examiners and project evaluators for the forthcoming academic year 2022-23 and was subsequently approved

Agenda Item No: 22 BOS -14: Review and Approval of the minutes of IX BoS [MBA-IEV]

Mr. Aman Kumar Dubey presented the minutes of meeting and Action Taken report for MBA [IEV] of the IXth BoS conducted on 19th June 2020 for approval. The minutes of the XXI Board of Studies for MBA[IEV] were reviewed and approved by the board.

Agenda Item No: 22 BOS -15 Concluding Remarks

By the end of above discussions, the chairman of the board Dr. Mary Cherian expressed her deepest sense of gratitude to all the members for a lively and purposeful discussion as well as the valuable suggestions given by the Board Members. Since there were no other points to discuss the meeting was closed and vote of thanks was called for. The session ended with a photographic session.

Agenda Item No: 22 BOS -16 Vote of Thanks

Meeting ended with vote of thanks by Dr.V. Kaarthiekheyan Associate Professor, KCTBS.

Approved

(Dr. Mary Cherian)
Prof & Head
Chairman BoS
KCT Business School
Kumaraguru College of Technology

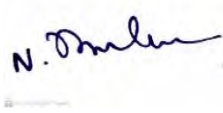

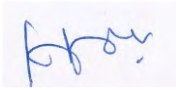
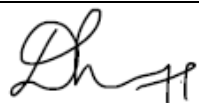


Minutes of the Meeting

XXII Board of Studies - MBA Program

Friday, July 22, 2022, | MS Teams

(10 AM – 1.00 PM)

APPROVAL OF THE MEETING OF THE MINUTES

S. No	Name of the External Member	Designation	Signature
1	Dr. Thamaraiselvan N Professor, Department of Management studies National Institute of Technology, Tiruchy-620015	Anna University Representative	
2	Dr. P. Chitramani Professor, Department of Business Admn., Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore – 641043	Subject Expert	
3	Mr. K. Ravi Chief Financial Officer, Roots Group of Companies, Coimbatore – 641006.	Industry Representative	
4	Mr. S K Dhineshkumar Project lead, Lantrasoft P. Ltd., Coimbatore – 641018.	Industry Representative	
5	Dr Easwaramoorthy Rangaswamy Principal & Provost, Amity Global Institute 101 Penang Road, Singapore 238466	Special Invitee	
6	Ms. Krishna Rubigha Founder, CEO Ampere Voltage Consulting Pvt Ltd. CEO (India) International Society for Energy and Sustainability Research (ISER)	Alumni	

Minutes of the Meeting XXI Board of Studies

Proposal Submission for New Courses

MBA (Project Management) & MBA (Agri Business Management) *(Regulations With Effect from Academic Year 2022-23 onwards)*

Saturday 28 August 2021 | MS Teams (10.30 AM – 1.00 PM)

The XXI Board of studies meeting for Department of Management Studies, Kumaraguru College of Technology, Coimbatore was held on Saturday 28th August 2021 from 10.30 AM to 01.00 PM via MS Teams to discuss and approve for the:

- a) Presentation of new Regulations, Curriculum, and Syllabus of MBA(PM)
- b) Presentation of proposed amendment of regulation and curriculum for MBA (ABM)
- c) Other amendments for MBA and MBA (IEV)

External Members Present:

1. Dr. Mary Cherian, Head of Department, KCT.BS – BoS Chairman
2. Dr. Thamaraivelan Natarajan - Professor, Department of Management Studies, NIT Trichy.
3. Dr. Chitramani P - Professor & Academic Expert, AIHSEW, Coimbatore.
4. Dr. Easwaramoorthy Rangaswamy - Principal & Provost, Amity Global Institute, Singapore
5. Mr. Ravi K - Chief Finance Officer, Roots Industries Ltd., Coimbatore
6. Dr. Chandrasekaran A - Founder Director, Info career, Chennai
7. Dr. Xavier Jacob - Agricultural Engineering Dept. College of Agriculture, Trivandrum
8. Mr. Rajeswaran Rajiv Aravindan, Bid Manager – Siemens Mobility Ltd, Singapore
9. Mr. R. Rajendran, Founder and Managing Director – Rasi Seeds, Coimbatore
10. Dr. Senthil Kumar V, Asst.Professor, Department of Civil Engineering, IIT Palakkad, Kerala
11. Prof. Sudheer K P - Prof & Head, Dept of Agricultural Engineering, Kerala Agri.University
12. Mr. Dinesh Kumar S. K. - Project Lead, Lantrasoft Pvt. Ltd. CBE.
13. Ms. Krishna Rubigha - Founder, CEO Ampere Voltage Consulting Pvt. Ltd., CEO - ISER.

Internal Members Present

14. Dr. V Kannan, Professor, KCT.BS
15. Dr. V Shripria, Professor, KCT.BS
16. Dr. R. Vinayagasundaram – Associate Professor, KCT.BS
17. Dr. S. Jaishankar - Associate Professor, KCT.BS
18. Dr. V. Kaarthikheyan - Associate Professor, KCT.BS
19. Dr. S. Sangeetha - Associate Professor, KCT.BS
20. Dr. B. Poongodi – Assistant Professor, KCT.BS
21. Dr. Latha A - Assistant Professor, KCT.BS
22. Dr. Deepa M - Assistant Professor, KCT.BS
23. Dr. Mohanamani P - Assistant Professor, KCT.BS
24. Dr. D. Susana – Assistant Professor, KCT.BS
25. Mr. Sanjiv Srinivasan - Assistant Professor, KCT.BS
26. Mr. Vivek Raj S.N. - Assistant Professor, KCT.BS
27. Dr. Lakshmi Meera - Program Director [MBA-IEV] FORGE
28. Dr. P Nalini - Assistant Professor & Program Manager [MBA-IEV] FORGE

Apologies Received:

1. Prof. Unnat P. Pandit - Professor of IP, Innovation & Entrepreneurship, Atal Bihari Vajpayee School of Management, JNU, Delhi
2. Prof. Sukhpal Singh – Professor, Centre for Management in Agriculture (CMA) (IIM-Ahmedabad)
3. Mr. Adarsh- CEO & Founder at Alndra Systems
4. Mr. Dinakar P Das - Managing Director – Amplifi, Greater Jakarta Area, Indonesia

Proceedings of the Meeting

Agenda Item No: 21BOS - 1: Welcome

Dr. Mary Cherian welcomed the gathering and introduced the guests for the Board of Studies meeting. The context was set to discuss about the new regulations and curriculum for proposing two new courses a) MBA (Project Management) b) MBA (Agri Business Management) at KCT Business School

Agenda Item No 21BOS -2: Briefing on New Curriculum and Syllabus for MBA(PM) Regulations 2022

Dr. V Kannan briefed upon the various processes, measures in developing an outcome-based curriculum for MBA-Project Management. He also iterated the contribution of various segments of stakeholders including Industry mentors, faculty experts and Alumni in designing the new regulation and curriculum 2021.

Agenda Item No: 21BOS-3: Curriculum, Syllabi and Regulations 2022 (PM) Perspectives - Discussions

1. Mr. K. Ravi, Roots Industries appreciated and emphasized the following:

- a. To ensure Project Monitoring is covered appropriately
- b. To confirm Project Financing and allied ECB offered completely
- c. Regulatory authorities linked to environment and marketing, its mechanism, compliance also needs to be covered appropriately
- d. Tax planning with specific reference to project, GST also needs to be included in the syllabus
- e. Communication and practical aspects are to be offered to fulfill the program outcome

2. Dr. Chitramani suggested to provide

- a. To ensure Project Monitoring and Control with SCRUM and related tools as a practice component
- b. International certifications for MBA(PM) students to acquire the required USP
- c. The verticals can be different and accordingly electives can be identified and offered
- d. Fast track option can be considered for fast learners to enable them earning additional certifications and placement

3. Dr. Senthilkumar proposed that

- a. Presentation and communication components to be mandated in assessments that aids in upskilling.
- b. Project monitoring needs to be incorporated with care into the syllabus
- c. Regulatory framework to be adopted into the syllabus.
- d. As one of the Programme Outcome (PO) is on Entrepreneurship and hence the course related to the domain has to be offered as a core course and not an optional elective
- e. Project Design for Quality has more of a TQM content which needs fine-tuned.
- f. Appreciated that the program is well structured and mapped with competent syllabus

4. Dr. A. Chandrasekhar suggested to

- a. Ensure communication skills are adequately covered with proper reference books
- b. That an appropriate orientation and program specific training to be offered for the faculty before the commencement of the program.
- c. Convert Stakeholder Management course as core course

5. Mr. Rajiv Aravindan discussed to provide

- a. Revenue recognition topics in Accounting for Management
- b. Concepts of Organizational behaviour in People and Organization course to enhance team management skills
- c. Project Management methodologies as a separate course
- d. Taxation and Contract Management which shall be very crucial for project managers

6. Dr. Moorthy offered the following suggestions

- a. Industry relevant certifications are more significant and imperative. PMP Certification is considered as the gold standard in project management and recognized and demanded by organizations worldwide, the PMP validates your competence to perform in the role of a project manager, leading and directing projects and teams.
- c. Professional in Business Analysis, etc. courses could be offered through special modes.
- d. NUS Singapore has MSc(PM) can be benchmarked for offering legal aspects for PM, Contract management, managing complex projects and can also refer the syllabus of University of London from the website <https://london.ac.uk/msc-pgdip-and-pgcert-project-management>
- e. Modules in Project Management Law, Managing Projects Using BIM, Managing Complex

Projects, Project Finance Contracts and Agreements can be incorporated and suggested the following certifications

- i. PMP®: Project Management Professional
- ii. The PMP is the gold standard of project management certification.
- iii. CAPM®: Certified Associate in Project Management
- iv. The CAPM demonstrates your understanding of the fundamental knowledge, terminology, and processes of effective project management.
- v. Professional in Business Analysis
- vi. Program Management Professional
- vii. PMI-RMP®: Risk Management Professional
- viii. PMI Scheduling Professional
- ix. PMI Project Management Ready

7. Dr.Thamaraiselvan from NIT Trichy insisted upon the following

- a. Project Finance needs to be covered and offered as a cross functional programme
- b. The Programme could offer 2-3 project software programs that can give uniqueness
- c. Research Methodology may not be relevant for this programme
- d. To structure the whole programme into 3 categories as Functional, Skills Sets and Certifications

8. Mr.Dhinesh gave the following inputs

- a. Project Managers need the skills and knowledge on Data Analysis
- b. Project Methodologies – many different methodologies need to be offered through courses
- c. Special set of skills are required for project managers that could be integrated

Agenda Item No 21BOS – 4: Briefing on New Curriculum and Syllabus for MBA(ABM) Regulations 2022

Dr. P.Mohanamani presented the proposed programme structure and Regulations for MBA (Agri Business Management)

Agenda Item No 21BOS – 5: Curriculum, Syllabi and Regulations 2022 (ABM) Perspectives – Discussions

1. Mr.K. Ravi, Roots Industries appreciated the initiative & emphasized the need for ABM course and gave the following inputs

- a. Courses on Analytics, supply chain logistics, E Marketing need to be included in curriculum
- b. Topics on government incentives, foreign trade policies on Agri practices can be included in

syllabus

- c. Industry sponsored certificate course can be offered as a value-added course

2. Mr. R. Rajendran

- a. Suggested to refer the curriculum offered by National Institute of Agricultural extension management, Hyderabad and
- b. Highlighted the significance of courses on Analytics and Statistics which could be given more weightage in the curriculum

3. Dr. Xavier Jacob gave the following inputs

- a. Computers for managers can be replaced with other subjects relevant for Agri Business
- b. Latest trends in Agri culture technology can included in syllabus
- c. Industry sponsored certificate course can be offered as a value-added course

4. Dr. Easwaramoorthy Rangaswamy

- a. Suggested to explore the organization “CARGILL” to understand the employer expectation on Agri Business graduates & incorporate all essential elements in curriculum development
- b. Suggested to include
 - i. Financial & Marketing Management in Agri-food Industries
 - ii. Food Market Analysis Strategic Economic Analysis of Agri-Food Markets
 - iii. Futures Trading Agricultural Commodities
 - iv. Survey Design & Data Analysis
 - v. Environmental Economics & Policy
 - vi. Resource Efficiency and Allocation in Agriculture
 - vii. Agricultural Market Regulation Research in Agricultural Marketing
 - viii. Econometrics with Applications in Food, Agribusiness and Resources in the curriculum.

5. Dr. Thamaraiselvan Natarajan gave the following inputs

- a. Suggested to have MOU with research centers in Agriculture.
- b. Special focus can be given to Agritourism in the curriculum From the perspective of entrepreneurship
- c. Disruptive technologies in managing Agribusiness can be included.

6. Dr. Chitramani P gave the following inputs

- a. Suggested to include Agriculture economics, resource management, warehousing & storage management
- b. Inter linkage between corporate society & farming can be included in the syllabus

7. Dr. S Prof. Sudheer K P offered the following suggestions

- a. Recommended to include Agri Marketing instead of Marketing management.
- b. Assessment criteria can be included for internship
- c. Subjects including taxation, Branding, TQM, can be included under core Course
- d. Tech – based courses, farmhouse, warehousing can be included under elective Course

Agenda Item No 21BOS – 6: Presentation on the List of Approved Question Paper setter and External Examiners for MBA Programs offered at KCTBS

Dr. V Kaarthiekheyan, presented the list of external question papers setters and external examiners for the academic year 2021-22. The external panel members team which included academicians and Industry experts with requisite qualification for project and practical courses in MBA, MBA [IEV],] was submitted for board's approval.

Agenda Item No: 20 BOS 7: Concluding Remarks

With the above discussion, the chairman of the board Dr. Mary Cherian expressed her deepest sense of gratitude to all the members for a lively and purposeful discussion and for the points and suggestions given by the Board Members. Since there were no other points to discuss the meeting was closed and vote of thanks was called for.

Agenda Item No: 20 BOS 9: Vote of Thanks

Meeting ended with vote of thanks by Dr. V. Shripria, Professor- KCT Business School




KCT BUSINESS SCHOOL







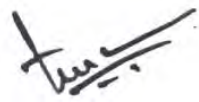


XXI BOARD OF STUDIES

PROPOSAL FOR NEW COURSES AND PRESENTATION OF REGULATION, SYLLABI AND CURRICULUM

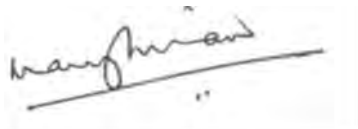
MBA (PROJECT MANAGEMENT) & MBA (AGRI BUSINESS MANAGEMENT)

APPROVAL OF MINUTES OF MEETING CONDUCTED ON 28TH AUGUST 2021 – ACKNOWLEDGEMENT

S. No	Name of the External Member	Designation	Digital Signature
1	Dr. Thamaraiselvan N Professor, Department of Management studies NIT, Tiruchy-620015	Anna University Representative	
2	Dr. P. Chitramani Professor & Head Department of Business Admn., Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore – 641043	Subject Expert (MBA)	
3	Dr.V. Senthil Kumar, Asst. Professor, Department of Civil Engineering, IIT Palakkad, Kerala	Subject Expert (MBA -PM)	

4	Dr. Xavier Jacob Agricultural Engineering Dept. College of Agriculture, Trivandrum	Subject Expert (MBA-ABM)	
5	Dr. Avdivaragan Chandrasekaran Founder Director, Info Career, Chennai	Industry Representative (MBA PM)	
6	Mr. R. Rajendran, Founder and Managing Director Rasi Seeds, Coimbatore	Industry Representative (MBA -ABM)	
7	Mr. K. Ravi Chief Financial Officer, Roots Group of Companies, Coimbatore – 641006.	Industry Representative (MBA)	
8	Mr. S K Dhineshkumar Project lead, Lantrasoft P. Ltd., Coimbatore – 641018.	Industry Representative (MBA)	
9	Prof. Sudheer K P - Prof & Head, Dept of Agricultural Engineering, Kerala Agri. University, Trissur	Special Invitee (MBA-ABM)	
10	Dr Easwaramoorthy Rangaswamy Principal & Provost, Amity Global Institute 101 Penang Road, Singapore 238466	Special Invitee (MBA)	
11	Mr. Rajeswaran Rajiv Aravindan, Bid Manager – Siemens Mobility Ltd, Singapore	Special Invitee (MBA-PM)	
12	Ms. Krishna Rubigha Founder, CEO Ampere Voltage Consulting Pvt Ltd. CEO (India) International Society for Energy and Sustainability Research (ISESR), Coimbatore	Alumni	

SIGNATURE THE HOD – BOARD CHAIRMAN



(Dr. Mary Cherian)

Minutes of the Meeting

XX Board of Studies - MBA Program

Saturday 19, 2021 | MS Teams (10 AM – 12.45 pm)

The XX Board of studies meeting for Department of Management Studies, Kumaraguru College of Technology, Coimbatore was held on Saturday 19th June 2021 from 10.00 AM to 12.45 PM via MS Teams to discuss and approve for the

- a) Presentation of new regulation, curriculum, and syllabus of MBA 2021 [R21] and
- b) Presentation of proposed amendment of regulation and curriculum for MBA (IEV) 2020

Members Present

1. Dr. Mary Cherian, Head of Department, KCT.BS – BoS Chairman
2. Dr. Thamaraiselvan Natarajan - Professor, Department of Management Studies, NIT Trichy.
3. Prof. Unnat P. Pandit - Professor of IP, Innovation & Entrepreneurship, Atal Bihari Vajpayee School of Management, JNU, Delhi
4. Dr. Chitramani P - Professor & Academic Expert, AIHSHEW, Coimbatore.
5. Dr. Easwaramoorthy Rangaswamy - Principal & Provost, Amity Global Institute, Singapore 238466.
6. Mr. Ravi K - Chief Finance Officer, Roots Industries Ltd., Coimbatore
7. Mr. Dinesh Kumar S. K. - Project Lead, Lantrasoft Pvt. Ltd. CBE.
8. Ms. Krishna Rubigha - Founder, CEO Ampere Voltage Consulting Pvt. Ltd., CEO - ISESR.
9. Dr. Joseph V Thanikal – Director, KCT
10. Dr. S. Swaminathan – Professor & Head Corporate Relations KCT.BS
11. Dr. V Kannan, Professor, KCT.BS
12. Dr. V Shripria, Professor, KCT.BS
13. Dr. R. Vinayagasundaram – Associate Professor, KCT.BS
14. Dr. S.Jaishankar - Associate Professor, KCT.BS
15. Dr. V. Kaarthikeyan - Associate Professor, KCT.BS
16. Dr. S. Sangeetha - Associate Professor, KCT.BS
17. Dr. B. Poongodi – Assistant Professor, KCT.BS
18. Dr. Latha A - Assistant Professor, KCT.BS
19. Dr. Deepa M - Assistant Professor, KCT.BS
20. Dr. Mohanamani P - Assistant Professor, KCT.BS
21. Mr. Sanjiv Srinivasan - Assistant Professor, KCT.BS
22. Mr. Vivek Raj S.N. - Assistant Professor, KCT.BS
23. Ms. Madhumathy S- Assistant Professor, KCT. BS
24. Dr. Lakshmi Meera - Program Director [MBA-IEV] FORGE
25. Dr. P Nalini - Assistant Professor & Program Manager [MBA-IEV] FORGE

Apologies Received:

- 1.Mr. Dinakar Das - Managing Director - Amplifi, Greater Jakarta Area, Indonesia.
2. Mr. Adarsh Natarajan - CEO & Founder at Aindra Systems.
3. Dr. V.R. Nedunchezian, Professor, KCTBS

Proceedings of the Meeting

Agenda Item No: 20 BOS - 1: Welcome

Dr. Mary Cherian welcomed the gathering and introduced the guests for the Board of Studies meeting. The context was set to discuss about the new regulations proposed for MBA – Regulations 21 and amendments proposed for MBA [IEV] – Regulations 2020

Agenda Item No: 20 BOS -2: Review and Approval of the minutes of IXth BoS. [MBA]

Dr. V. Kaarthikheyan presented the minutes of meeting and Action Taken report for MBA of the IXth BoS conducted on 20th November 2020 for approval. The minutes of the IXth Board of Studies for MBA were reviewed and approved by the board.

Agenda Item No: 20 BOS -3: Review and Approval of the minutes of IXth BoS [MBA-IEV]

Dr. Nalini P presented the minutes of meeting and Action Taken report for MBA [IEV] of the IXth BoS conducted on 20th November 2020 for approval. The minutes of the IXth Board of Studies for MBA[IEV] were reviewed and approved by the board.

Agenda Item No: 20 BOS 4: Briefing on Curriculum and Syllabus Revision Process for Regulations 2021

Dr. A. Latha briefed upon the various processes, measures and more specifically the adoption of guidelines recommended by AICTE exam reform policy for developing an outcome-based curriculum. She also iterated the contribution of various segments of stakeholders including Industry mentors, faculty experts and Alumni in designing the new regulation and curriculum 2021.

Dr. A. Latha further discussed in detail the process adopted in revising the existing Mission, Vision, program educational objectives, Program learning outcomes and the methodology adopted in identifying competencies and performance indicators for the entire program. She also has explained the necessity for including new courses and updating existing courses listed in 2017 regulations in new curriculum. Further the importance of revising course objectives, writing measurable course outcomes using bloom taxonomy verbs at knowledge, skill, and behavior level, Mapping course outcomes with Competencies, Performance indicators, Program outcomes and program educational outcomes, identifying appropriate assessment tools for enabling students to acquire competencies identified was also discussed and deliberated as follows:

a. New Vision and Mission Statement

New vision statement “To be a school of excellence creating transformative educational experience shaping future leaders”

New Mission Statement “Education focused on disciplinary knowledge, problem solving, leadership, interpersonal skills, and wellbeing. Develop managers with professionalism and ethics”

New Values Statements

“Be the Solution: Brings in new ideas and solutions that push our thinking into new territory

Champion Change: Identifies and implements external best practices, new ideas and plans that will prepare our organization for the future

Agility: successfully lead organizations in a world that is increasingly complex and uncertain

Trust: Earns credibility and trust, influencing employees, members and stakeholders to support organization.”

b. The new curriculum was structured with

- **4 Program Educational Objectives**

PEO1: Demonstrate managerial abilities to improve business performance by driving client centric culture in the organization

PEO2: Exhibit high level of competencies required to manage multiple business sectors across the globe

PEO3: Demonstrate ability to implement best corporate Governance Practices as a true leader by maintaining social values and Business ethics

PEO4: Exhibit Entrepreneurial and lifelong learning qualities for achieving continuous success in business

- **5 Program Outcomes**

PLO1: Demonstrate managerial competencies to overcome critical business challenges

PLO2: Utilize conceptual, analytical, and critical thinking skills for effective decision making with a global perspective

PLO3: Exhibit appropriate leadership skills to work with multidisciplinary team for the achievement of organization goal

PLO4: Practice appropriate professionalism and ethical behaviour for an assigned situation

PLO5: Adapt entrepreneurial and innovative thinking for business and socio-economic development

- 25 Competencies grouped in five major domains.

Business Acumen(C1)	Legal aspects of Business(C2)	Problem solving & Decision-Making Skills(C3)
C1.1 Business -Core Knowledge	C2.1Business Law	C3.1 Business Research
C1.2 Functional Knowledge	C2.2Intellectual property rights	C3.2Analytic Thinking
C1.3 Business Strategy	C2.3Exim Policy	C3.3Innovation
C1.4Global Perspective	C2.4Company registration	C3.4Critical thinking
C1.5Technology skills	C2.5Quality standard certification	
C1.6Business current affairs		

Leadership & Behavioral Skills(C4)	Business Ethics & Social Responsibility(C5)
C4.1Communication	C5.1Corporate governance
C4.2Leadership & Peer collaboration	C5.2Professional Behavior
C4.3 Negotiation	C5.3Ethical Social responsibility
C4.4Conflict Management	C5.4Environmental consciousness
C4.5 Emotional Resilience	C5.5Sustainable practices

25 Performance indicators

Competency code	Performance Indicators
Business Acumen (C1)	
C1.1	Demonstrate broad conceptual knowledge in various core managerial domains
C1.2	Demonstrate knowledge in the functional area of specialization
C1.3	Provide evidence of practical application of Managerial knowledge to formulate an effective strategy to overcome the given Business challenges
C1.4	Demonstrate an ability to understand the emerging pattern in the global market and formulate strategies in line with these trends
C1.5	Display ability to use advanced technologies for executing various managerial functions
C1.6	Demonstrate knowledge in Business and economics current affair
Legal aspects of Business (C2)	
C2.1	Demonstrate an understanding of legal aspects of business
C2.2	Demonstrate knowledge on the procedure to be followed for obtaining Intellectual property rights
C2.3	Demonstrate an understanding of guidelines to be followed for import and export of goods
C2.4	Demonstrate knowledge on the procedural aspects to be followed for registering a company in India
C2.5	Demonstrate knowledge on the procedure to be followed for obtaining quality standard certificates
Problem solving & Decision-Making Skills(C3)	
C3.1	Propose a solution to a real problem of significance in business by conducting research studies.
C3.2	Display ability to Use appropriate analytic techniques to gain meaningful insights from the data for solving complex business problems
C3.3	Display innovative thinking abilities in decision making
C3.4	Display critical thinking abilities in solving the decision making
Leadership & Behavioral Skills (C4)	
C4.1	Display competence in oral and written communication
C4.2	Display ability to achieve the organization goals by leading self and others
C4.3	Practice negotiation skills to build a long-term relationship with various stakeholders of professional and personal life
C4.4	solve the conflicting issues arising within the team more constructively.
C4.5	Display ability to Manage stressful situations that arise in personal and professional life with ease and bounce back from hardship quickly
Business Ethics & Social Responsibility (C5)	
C5.1	Provide evidence on the practical application of ethical principles to formulate corporate governance practices
C5.2	Display Professionalism in behavior
C5.3	Demonstrate an ability to understand and imbibe ethical codes in Business practices and formulate strategies that are beneficial for the society
C5.4	Demonstrate an understanding and concern on ecological issues and display environmentally friendly behavior in personal and professional life
C5.5	Apply principles of sustainable development to formulate business practices for the known case studies

Agenda Item No: 20 BOS 5: Presentation of the new Curriculum and Syllabus Revision for Regulations 2021.

With precedence to item 4 as mentioned above, Dr. Latha tabled the new curriculum, program structure and regulations to come into effect for the students admitted from AY 2021-22 onwards. The BoS discussed the course structure and course contents of the proposed changes in the forthcoming MBA curriculum to be implemented from the academic year 2021-22 onwards. [Annexure 1]

a. Details of Credits of Courses

The Course outcomes of the individual courses proposed for the First years Batch 2021 onwards was mapped with the respective Competencies, Performance indicators, Program objectives and Program Education objectives. The courses were categorized as Core (58 Credits), Functional Core (12 Credits), Functional Optional (12 Credits), Open Elective (10 Credits) and Project (12 Credits) totaling to 104 Credits. Extra credit courses of 6 credits will also be offered to students.

b. Credit System and Hours

The course delivery proposed were Lecture (10 -12 Hours/ One Credit Unit), Tutorial (10 -12 Hours/ One Credit Unit), Practical (20 -24 Hours/ One Credit Unit), Self-work-Field work (20-24 Hours/ One Credit Unit) and Project Hours (50-60 Hours/ One Credit Unit)

The Assessment and Examinations for 1 Credit, 2 Credits, 3 Credits and 4 Credit papers will remain same as per previous curriculum and the End Semester will be conducted for 2 hours in written or Online mode.

Agenda Item No: 20 BOS 6: Amendment of Curriculum and Syllabus [MBA-IEV]

Dr. Nalini P presented the amendments for curriculum and syllabus as suggested by the IXth Board of Studies. In addition, the course structure (core and elective courses and syllabus) for IIIrd and IVth, semesters and the corresponding process of defining program competencies, performance indicators with Program Learning Outcome and Program Educational Objectives were presented and discussed.

R-2020	R-2020 Amendments
1.3 Semester- Wise Credit Distribution – Core -32, Elective -12	1.3 Semester- Wise Credit Distribution – Core -30, Elective - 14
1.3. Semester- Wise Credit Distribution - Semester I – 28, Semester II - 28, Semester III- 24, Semester IV- 24	1.3. Semester- Wise Credit Distribution - Semester I – 26, Semester II - 24, Semester III- 30, Semester IV- 24
1.4 Credit Hours – L-Lecture and P- practice was only described	1.4 Credit Hours - Revised credit hours as per AICTE guidelines and credit mapping to L, T, P,FW,SW &PJ
1.5 Credit Flexibility – Semester wise credit flexibility in II semester is 26-32 , Semester 3 is 20-28	1.5 Credit Flexibility – Semester wise credit flexibility in II semester is 26-30, Semester 3 is 20-32

3.3.1 -Students can gain a maximum of 50 marks through CA for all 2 and 1 credit courses	3.3.1 Students can gain a maximum of 50 marks through CA for all 2 and 1 credit courses - Out of which 50% is evaluated in Formative - Continuous Examination Scheme and remaining 50 % is assessed in Summative Continuous Examination Scheme.
---	3.3.4 Practical courses (P): Few of the enabler courses and E-SAP (Entrepreneurship Skill Activation Programs) courses are offered as a practical course, all these courses have continuous assessment marks where Students can gain a maximum of 50 marks. All the enabler courses offered under practical mode will have Continuous assessment marks as indicated in 3.3.1
---	1.3.3. In case if the student is not participating in any external/ outside events as part of active learning they are allowed to do any E- SAP electives (Entrepreneurship Skill Activation Program) to earn the required credits.

Agenda Item No: 20 BOS 7: Curriculum and Syllabi MBA Regulations 2021 Perspectives - Discussions

The members suggested the following improvisations on the contents of the courses listed within. (Annexure1). Given below are some of notable suggestions given by the members of the board.

7.1 MBA

- 7.1.a.** Mr. Ravi K - Recommended to include the courses on Ethical behaviour, professionalism, GST, Monetary Mechanism
- 7.1.b.** Prof. Unnat P. Pandit recommended to introduce courses on Cryptocurrency, Fintech Management, Bankruptcy Code, WTO and EXIM regulations
- 7.1.c.** Ms. Krishna Rubigha wanted to address the fatigue caused to students who are undergoing online classes for longer durations
- 7.1.d.** Dr Easwaramoorthy Rangaswamy- addressed about plagiarism and suggested to have maximum of 3 percent of plagiarism from one source, recommended to introduce courses on legal aspects, green skills, green economy and sustainability. Appreciated about the initiatives taken for identifying Program Learning objectives and suggested to provide adequate training for faculty to equip them to with new courses and with flipped classroom pedagogy.
- 7.1.e.** Dr. Chitramani P recommended to include process-oriented courses such as Block chain, ERP and OS based courses and on Artificial Intelligence and emphasized for International Professional certification to students. She also asked to focus on Industry based Research
- 7.1.f.** Dr. Thamaraiselvan Natarajan suggested to measure plagiarism more in terms of attitude and advised to look for the change in thinking of students.
- 7.1.g.** Mr. Dinesh Kumar S. K. emphasized the importance of internship for MBA Graduates.

7.1.h Dr. Mary Cherian asked for the inputs to implement the New Educational Policy 2021 for the KCT.BS New Curriculum 2021. The Board responded to wait for some more time to get more understanding on the New Educational Policy before implementation.

7.2 MBA [IEV]

7.2.1 Topics on LLP -Limited Liability Partnership & Taxation can add to the company affairs and Law course based on its relevance in course focus.

7.2.2. A skill course/ topic on Stress management can be added.

7.2.3. Through Industry institution partnership the students can be allowed to do their Externship I & II continuously. This opportunity will encourage them to apply their learning in real-time.

7.2.4 The following course titles were suggested for Elective courses.

- Decision dilemma & understanding on taking tough business calls
- CEO Roles and responsibilities
- Understanding Employee Psychology

Agenda Item No: 20 BOS 8: Concluding Remarks

With the above discussion, the chairman of the board Dr. Mary Cherian expressed her deepest sense of gratitude to all the members for a lively and purposeful discussion and for the points and suggestions given by the Board Members. Since there were no other points to discuss the meeting was closed and vote of thanks was called for.

Agenda Item No: 20 BOS 9: Vote of Thanks

Meeting ended with vote of thanks by Dr. Lakshmi Meera- Program Director [MBA-IEV] FORGE

Dr. V. Kaarthikheyan facilitated the entire proceedings.

Approved



(Dr. Mary Cherian)
Prof & Head
Chairman BoS
KCT Business School
Kumaraguru College of Technology

Minutes of the Meeting

XX Board of Studies - MBA Program

Saturday 19, 2020 | MS Teams (10 AM – 12.45 pm)

APPROVAL OF THE MEETING OF THE MINUTES

S. No	Name of the External Member	Designation	Signature
1	Dr. Thamaraiselvan N Professor, Department of Management studies National Institute of Technology, Tiruchy-620015	Anna University Representative	
2	Prof. Unnat P. Pandit Professor of IP, Innovation and Entrepreneurship, IPMC, JNU Concurrent Professor, Atal Bihari Vajpayee School of Management and Entrepreneurship, Jawaharlal Nehru University (JNU)	Subject Expert	
3	Dr. P. Chitramani Professor, Department of Business Admn., Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore – 641043	Subject Expert	
4	Mr. K. Ravi Chief Financial Officer, Roots Group of Companies, Coimbatore – 641006.	Industry Representative	
5	Mr. S K Dhineshkumar Project lead, Lantrasoft P. Ltd., Coimbatore – 641018.	Industry Representative	
6	Dr Easwaramoorthy Rangaswamy Principal & Provost, Amity Global Institute 101 Penang Road, Singapore 238466	Special Invitee	
7	Ms. Krishna Rubigha Founder, CEO Ampere Voltage Consulting Pvt Ltd. CEO (India) International Society for Energy and Sustainability Research (ISESR)	Alumni	

Minutes of the Meeting

XIX Board of Studies - MBA Program

Wednesday 25, 2020 | MS Teams

The XIX Board of studies meeting for Department of Management Studies, Kumaraguru College of Technology, Coimbatore was held on Wednesday 25th November 2020 from 10.30 AM to 12.30 PM via MS Teams for the a) proposed amendment of the regulation, curriculum and syllabus of MBA 2017 [Amended] and b) Presentation of Regulation and curriculum for MBA (IEV)

Members Present

1. Dr. Mary Cherian , Head of Department, KCT.BS - Meeting Chairman
2. Prof. Unnat P. Pandit - Professor of IP, Innovation & Entrepreneurship, Atal Bihari Vajpayee School of Management , JNU, Delhi
3. Dr. Chitramani P - Professor & Academic Expert, AIHSHEW, Coimbatore.
4. Dr. Thamaraiselvan Natarajan - Professor, Department of Management Studies, NIT Trichy.
5. Mr. Dinakar Das - Managing Director - Amplifi, Greater Jakarta Area, Indonesia.
6. Mr. Adarsh Natarjan - CEO & Founder at Aindra Systems.
7. Mr. Ravi K - Chief Finance Officer, Roots Industries Ltd., Coimbatore
8. Mr. Dinesh Kumar S. K. - Project Lead, Lantrasoft Pvt. Ltd. CBE.
9. Ms. Krishna Rubigha - Founder, CEO Ampere Voltage Consulting Pvt. Ltd., CEO - ISER.
10. Dr. S. Swaminathan – Professor & Head Corporate Relations
11. Dr. V.R. Nedunchezian, Professor, KCTBS
12. Dr. V Kannan, Professor, KCT.BS
13. Dr. V Shripria, Professor, KCT.BS
14. Dr. R. Vinayagasundaram – Associate Professor, KCT.BS
15. Dr. S.Jayashankar - Associate Professor, KCT.BS
16. Dr. V. Kaarthikheyan - Associate Professor, KCT.BS
17. Dr. S. Sangeetha - Associate Professor, KCT.BS
18. Dr. B. Poongodi – Assistant Professor, KCT.BS
19. Dr. Latha A - Assistant Professor, KCT.BS
20. Dr. Deep M - Assistant Professor, KCT.BS
21. Dr. Mohanamani P - Assistant Professor, KCT.BS
22. Mr. Sanjiv Srinivasan - Assistant Professor, KCT.BS
23. Mr. Vivek Raj S.N. - Assistant Professor, KCT.BS
24. Ms. Madhumathy S- Assistant Professor, KCT. BS
25. Dr. Lakshmi Meera - Director Forge
26. Dr. P Nalini - Assistant Professor & Program Manager Forge

Apologies Received:

1. Ms. Aswini Metri, Assistant Professor and Program Manager, Forge.

Proceedings of the Meeting

Agenda 1: Welcome

Dr. Mary Cherian welcomed the gathering and introduced the guests for the Board of Studies meeting.

Agenda 2: Confirm the Minutes of Previous BoS

Dr. V. Kaarthikheyan presented the minutes of meeting and Action Taken report of the 18th BoS conducted on 27th December 2018 for approval and informed that the recommendations/suggestions given by XVIII BoS were carefully considered and have been incorporated appropriately in the Regulation 2017 onwards. Minutes were scrolled and circulated among the members present and was approved.

Agenda 3: Amendments to be incorporated for the conduction of examination

Existing Clause 5: Assessment and Examinations Page-14 & Attendance and Engagement Page -12/13.

Dr. V.R. Nedunchezian proposed:

Amendment 1: [Adding new clause 5.2.1-iii] To consider and approve the amendments proposed over the owing to any unprecedented events, natural calamities and/or any situation arising out of force majeure clause, the institution may adopt alternative and simplified modes and methods of examinations to complete the process in shorter period in compliance with academic requirements. In such case, the end semester examinations may be conducted as paper based/online/computer based or integrated of the above. The assessment may include MCQ/ OMR based examinations, Open Book Examination, Open Choices, assignment/ presentation-based assessments etc.

Amendment 2. [Adding new clause 4.1.7] To consider and approve the amendments proposed owing to any unprecedented events, natural calamities and/or any situation arising out of force majeure clause, the institution may adopt alternative and simplified modes for the conduct of physical classes using various online modes to maintain/ enable effective teaching learning process. The modalities of conducting such classes shall be decided by a constituted body as designated by the Principal/Head of the Department.

Agenda 4: Major Projects

Dr. A Latha Proposed:

Existing Clause 2.4: Types of Courses and Credit Distribution (Pg:9)

1. *Amendment 1:* Clause 2.4 Table Serial No: 4 (Projects)
Insertion of the word “/virtually” after the word in the field (line2)
2. *Amendment 2:* Clause 2.4.4
Insertion of the word “/virtual mode” after the word field practice (line3)
3. *Amendment 3:* Addition to the Project course content (P17BACP304) (page 41)
Insertion of “Internship” after the word Business Plan in course title

Internship [Page 41]

Acquiring industry knowledge, career-oriented skills and getting a practical exposure are the major objectives of the internship. Students during the internship are expected to involve in practical work under the supervision of industry guides in the chosen field of study. The internship needs to have a well-defined task or job description, structured procedure to perform the task, and a clear measurable outcome.

*Rubrics for Internship was also presented for approval.

Suggestions by Board for Major Projects:

1. To ensure all protocols when students visit organizations for internship during pandemic.
2. Suggest alternate virtual experience instead of Internships
3. Explore / Include AICTE Opportunities for internships.
4. To include webinars / book reviews and corporate talks as part of internship components.
5. Expose Students to ideation activities and writing business case studies using incubation centers.
6. Encourage Online intercollege internship event, workshop or startups to encourage competitiveness.
7. Exposure to define statement of problem during internship using knowledge gained during undergraduate technological courses so as to gain sufficient hand holding experiences.

Agenda 5: New Curriculum and Regulation of new course MBA IEV.

Dr. Lakshmi Meera, Program Director, MBS (IEV) presented the new curriculum and regulations
Dr. Lakshmi Meera, Program Director, MBS (IEV) presented the new curriculum and regulations
(Minutes, proceedings and suggestions enclosed separately)

Comments as received from the members

- The program is the need of the hour and the innovation skills to be imparted by the students is also the requirement for Industry
- The program was commented as a well-conceived program without-box thinking

S.No	Suggestions	Amendments incorporated
1	Some bridge courses to be offered at the start of the program to normalize the entry of students from different background.	Bridge course is introduced at the beginning of the semester-1 and the modules covered are - Startup 101, Persuasive Presentation, Data Analytics using excel, and Business writing. At beginning of Semester-3, the second bridge course will be offered as enrichment courses and the modules on Negotiation skill, Networking skills, Leadership Skills, and Team building skills will be covered as the non-credit course with a status mentioned as completed and not-completed
2	It was suggested that the Exit Option is not to be included because it may be perceived as lack of resilience or failure of the program.	The suggestion is incorporated and the exist option is withdrawn for batch 2020.
3	Suggested to include fundamental core for IEV, core courses in Economics, Ethics, social responsibility/social impact and functional courses in Marketing, Finance, operations, and HR.	1. The following courses were introduced/ offered as core essentials and core enabler <ol style="list-style-type: none">1. Business Economics2. Nascent Marketing Strategies3. Entrepreneurial Finance4. Engaging Talents5. Product operations6. Innovation & Venture Fundamentals7. Applied Design Thinking8. Agile Product Development9. Technology Commercialization

		<p>10. Entrepreneurial Mindset & Method</p> <p>11. General Management for Entrepreneurs</p> <p>12. Growth Strategies</p> <p>13. Managing Investments</p> <p>2. Business Environment will be incorporated in the core essential course - Strategies for founders (P20IEVES204)</p> <p>3. Social responsibility/social immersion will be incorporated in Externship II- P20IEVEP263 – It will focus on CSR/Social entrepreneurship and social, ethical part of enterprise creation.</p>
4	Defining the components of evaluation in regulation.	<p>As presented, every 3 credit courses will have both End Assessments (EA) and Continuous Assessments (CA) and 2/1 credit will have continuous assessments only. Specific activity/ assessment rubrics/ evaluation pattern will be defined by the course faculty and approved by program head for each course offered in every semester.</p> <p>General rubrics for all project, presentations and active learning will be defined and incorporated.</p>
4	Deliverables under Active learning courses can be specifically mentioned	<p>There are three active learning offered in the first year and the following changes are incorporated</p> <p>Active learning 1 - Bootcamp on sales for founders</p> <p>Active learning 2 - Technology labs</p> <p>Active learning 3 - Values and Business ethics</p> <p>Active learning 4,5, 6 and 7 will be defined in next BoS</p>
5	Specialization in Innovation, entrepreneurship and venture can be given as part of the elective list	<p>The following courses will be offered as elective- enablers. The students can choose the electives in the list provided in semester 3</p> <ol style="list-style-type: none"> 1. Company Affairs 2. New Venture Financing 3. Trade Finance 4. Taxation 5. Brand Management

		6. Digital Marketing 7. Marketing Metrics and Analytics 8. Pricing Strategies 9. Industrial Marketing 10. Legal Aspects of HR* 11. Organizational Behaviour 12. Transaction Analysis 13. 360 Degree Leadership 14. Neuro-Linguistic Programming 15. Supply Chain Management 16. Lean Manufacturing 17. Project Management 18. Industry 4.0 19. Social Entrepreneurship 20. Business Intelligence
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[Agenda 6: Curriculum and Syllabi MBA regulation 2020-21, Future perspectives.](#)

Suggestions by Board:

1. Course outcomes, program outcome and graduate attributes should be mapped.
2. In syllabi, learning objectives and outcomes to be more specific
3. Higher order thinking skills should be more specific from 2 semester onwards.
4. Improve / Update your courses by benching marking with institutions with par.
5. Add skill sets required by recruiters and incorporate those in your courses.
6. To develop a long-term sustainability in the market, identify target audience and standards required thereof.
7. To rephrase the course names as per AICTE generic subject list as provided.

The meeting with a formal vote of thanks by Dr. Lakshmi Meera.

Dr. V. Kaarthikheyan facilitated the entire proceedings.

Approved



(Dr. Mary Cherian)
 Prof & Head
 Chairman BoS
 KCT Business School
 Kumaraguru College of Technology

Minutes of the Board of Studies of the MBA Program

Wednesday, April 04, 2018, KCT Business School

The meeting of the Board of studies, department of Management Studies, Kumaraguru college of Technology Coimbatore was held on 04.04.2018(Wednesday) at 10.00 am in KCTBS Training Centre for the approval of the curriculum and syllabus of MBA 2017 onwards.

Members Present

1. Dr. Vijila Kennedy, Director, KCTBS
2. Dr. Senthil Kumar Assoc Prof, Anna University
3. Mr. Ilamurugu.K Cluster Head HDFC Bank
4. Mr. Srikanth N Managing Director, Accudyne Industries
5. Mr. Ganeshan MD, Indoshell Cast
6. Mr. Karthikheyan President- Coimbatore Chapter, TiE
7. Mr. Harihara Subbramaniam General Manager, ABT Industries Pvt Ltd
8. Mr. Maria Antony Juderaj. L Dy. Manager- L& D, ELGI Equipment
9. Mr. Srinivas Sastri CHR, Sakthi Group
10. Mr. Karthik T Manager-Quality & Process Engg, VWR
11. Prof. Gautam Ghosh Director School of Management, Presidency University, Kolkata
12. Dr. V R Nedunchezian, Professor - KCTBS
13. Mr. G K Suresh, Professor – KCTBS
14. Dr. Kirupa Priyadharshini, Associate Professor – KCTBS
15. Dr. V. Kannan, Professor – KCTBS
16. Mr. Sandeep Frank, Assistant Professor – KCTBS
17. Mr. Anshul Saxena, Assistant Professor – KCTBS
18. Dr. R. Gokilavani, Assistant Professor – KCTBS
19. Mr. Ashish S Executive HR-Team Leader, UK Finance & Accounts, HCL (2007-09 Batch)
20. Mr. Kabilan Chakravarthy Manager, Greeno Tech Solutions Pvt. Ltd
21. Mr. Gokul C, Student 2016-18
22. Ms. Kaviya M, Student 2016-18
23. Ms. Indupriya K, Honours Track Student 2017-19
24. Ms. Aashika KK, Honours Track Student 2017-19

Apologies Received: Mr.Magudapathy.K.P, VP, Cadbury India Limited, SriRam .T.V, VP, Engineering, Center Head, Coimbatore Branch, BOSCH, Mr. Krishna Mohan, Unit Head, ITC, Mr.Soundarajan, GM, Learning and Development, ELGI Equipment, Mr.Anuj Prakash, Regional Manager, Customer Development, Colgate Palmolive India Ltd, Mr.Manjunathan, manager, operations, VWR, Mr.Naseer Khan, Country Head- HR, Cameroon Manufacturing Limited., Mr. Ramesh Vaidhya, CoO, G-Plast.

Proceedings of the Meeting

Agenda 1: Welcome

Dr.Vijila Kennedy welcomed to the Members of the Board of Studies and presented an overview of the KCT Business School activities during the year 2017-18.

Agenda 2: Confirm the Minutes of Previous BoS

Dr.V.R.Nedunchezian confirmed the Minutes of the XVII Board of Studies and informed that suggestions given by XVI BoS have been incorporated in the Regulation 2017. Minutes was circulated and approved.

Agenda 3:

Amendments to be incorporated in R17 curriculum (5.8.1)

Amendment 1

1. Grade & Grade Points changed as per Anna University Norms. The revised grades are as follows

Range of Marks	Grade	Grade Points (GP)
91- 100	O (Outstanding)	10
81 - 90	A+ (Excellent)	9
71 - 80	A (Very Good)	8
61 - 70	B+ (Good)	7
50 – 60	B (Average)	6
< 50	RA (Reappearance)	0
Shortage of Attendance	SA	
Absent	RA-AB (Reappearance due to Absence)	0
Withdrawal from examination	W	0

First class

a) Passing of the examinations of all the courses in all four semesters within a maximum of four semesters

b) CGPA > 7.0

c) Authorized break of study and authorized withdrawal is permissible.

Other mandatory requirements as per Anna University regulations of 2017 – attendance, eligibility for the award of degree and classification of the Degree awarded - will also be followed

Amendment 2 : In the IV semester Students have the option of

- (1) pursuing all the **6 courses** or
- (2) (2) Carry out a **Business research project and earn 7 credits** in lieu of Conc 6, OE3,OE4 and PD 4 or
- (3) (3) Carry out **Company based research project and earn 9 credits** in lieu of Conc 6, OE3,OE4, PD 4 and SIP

Amendment 3: It was proposed to offer more 1 credit courses on the latest trends

Agenda 4: Overview of the Center Initiatives during 2017-18.

4.1 HR Concentration

Dr. Kirupa Priyadarsini, Centre Head of HR presented the center's initiatives to the board

The proposed new 1 credit courses in HR are,

1. HR Gamification
2. Smart Workplace and BYOD
3. Social Media in Hiring
4. Employee Sourcing – A Practicum
5. Competency Mapping & Assessments

Suggestions given by the Board

1. Offer Courses on Integration of workforce Diversity, HR analytics, Balanced score card
2. MBA Students can be given opportunity to take up certification/ 1 credit courses offered in engineering stream.

4.2 Operation Concentration

Dr. Kannan, Centre Head of Operations presented the Centre's initiatives to the board

The proposed new 1 credit courses in operations are

1. Zero Effect Zero Defect (ZED)
2. Kaizen
3. IoT in Manufacturing

Suggestions given by the Board

1. Courses on *Industry 4.0, e-commerce, CMMA*
2. Foundation courses on *Quality frameworks* including Indian frameworks (Frugal Innovation)
3. Include *IoT* perspective in Supply chain courses

2.3 Finance Concentration

Dr. Nedunchezian, Centre Head of Finance presented the Centre's initiatives to the board,
The proposed new 1 credit courses in operations are,

1. Goods and Service Tax (1 credit)
2. Fixed Income Securities (1 credit)
3. Cryptocurrency

Suggestions given by the Board

1. Introduce digital analytics in finance concentration
2. Course in Risk Management
3. Course in Digital Finance

2.4 Marketing Concentration

Dr. B.Poongodi, Assistant Professor, Centre of Marketing presented the Centre's initiatives to the board,

The proposed new 1 credit courses in operations are

1. Neuro marketing – 1 credit
2. Content Marketing – 1 credit
3. Customer Experience using Hi-tech tools – 2 credits
4. The Art of Advertising & Communication – 3 credits

Suggestions given by the Board

1. Operations & Marketing students to take courses across the functional verticals
2. Digital marketing to be the basic marketing course

2.5 Entrepreneurship Concentration

Mr. Sandeep Frank, Assistant Professor, Centre of Entrepreneurship presented the Centre's initiatives to the board

The proposed new 1 credit courses in operations are

1. Functional courses with entrepreneurship perspectives.

Suggestions given by the Board

1. Courses in creativity and innovation to be introduced
2. Course in start-up valuation, compliances to be offered
3. Mr. Karthikeyan TiE President offered support for student funding and also conduct Business plan competition
4. Corporate funding as seed money is to be explored
5. Number of students opting for Entrepreneurship to be increased over a period of time
6. Profiling of students to be done at the commencement of the program to measure their entrepreneurial capability

4.6 Analytics & Systems Concentration

Mr. Anshul Saxena, Assistant Professor, Centre of Analytics and Systems Concentration presented the Centre's initiatives to the board,

The proposed new 1 credit courses in operations are

1. Introduction to Business Analytics -1 Credit
2. Blockchain & Digital Business – 1 credit
3. Text Mining & Natural Language Processing – 1 credit
4. Digital Platforms for Business – 4 Credits
5. Artificial Intelligence with Intel
6. Machine Learning with Intel

Suggestions given by the Board

1. Course on Analytics for decision making can be introduced
2. Analytics to be spread across domains

Agenda 5: Future Directions

1. Internationalization of Business education
2. Starting a SME Centre
3. Build focus on entrepreneurship
4. Deeper and meaningful engagement with Industry
5. Build student diversity – with work ex, geographical etc
6. Offer Programs/ education for Industry Professionals – middle level

Agenda 6: Vote of Thanks

Closing remarks and Vote of thanks was given Prof. G.K Suresh



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and
Accreditation Council)

GRADE
A++

Master of Computer Applications



KUMARAGURU
COLLEGE OF TECHNOLOGY

NAAC (National Assessment and Accreditation Council)

GRADE
A++

Master of Computer Application

Sl. No.	Date of Board of Studies meeting
1.	15.02.2023
2.	23.07.2022
3.	11.12.2021
4.	05.06.2021
5.	23.11.2020
6.	24.11.2018
7.	17.03.2018

KUMARAGURU COLLEGE OF TECHNOLOGY
(An Autonomous Institution Affiliated to Anna University)
Coimbatore -641049

Minutes of Board of Studies

The 17th Board of Studies Meeting for Computer Applications was held on 15/02/2023 at 02:30 P.M. through Online Mode.

The following members were present,

Chairman - BOS

Dr.V.Vijilesh, Associate Professor,
Head of Department,
Department of Computer Applications,
Kumaraguru College of Technology,
Coimbatore.

University Nominee

Dr.S.Vijayalakshmi
Professor,
Department of Computer Applications,
Thiagarajar College of Engineering,
Madurai-625 015
Email:svlcse@tce.edu
Mobile: 92442 13474

Expert nominated by Academic Council (outside the Parent University)

1. Dr. P.Vasanthi Kumari,
Associate Professor,
Department of Computer Applications,
School of Engineering,
Dayananda Sagar University,
Kudlu Gate, Bangalore ,
Email : vasanthi-bca@dsu.edu.in.
Mobile:9894113413

2. Dr.M. Nageswara Gupta,
Principal ,
Sri Venkateswara College of Engineering , Bangalore.
Mobile:9843255706

Post Graduate Meritorious Alumni Nominated by Principal

Mr.G. Senthil Kumar,
Android Developer,
Zoho Corporation Pvt. Ltd, Chennai
Email:Senthilkumar.g@zohocorp.com
Mobile:9952423337

Industry Experts

Mr.R.Madhan Kumar,
Service Delivery Manager,
Robert Bosch Engineering and Business Solutions Limited,Coimbatore
Email :Madhankumar.rajendran@in.bosch.com
Mobile:9994483332

BOS Co-ordinators

- 1.Dr.V.Geetha,Professor/MCA,KCT
- 2.Dr.M.C.S.Geetha,AP/MCA,KCT

Teaching Faculty from each specialization

1. Specialization – Data Analytics

Dr.P.Parameswari, AP[SRG],
Department of Computer Applications,
Kumaraguru College of Technology,
Coimbatore – 641049.

2. Specialization – Software Engineering

Dr.S.Hameed Ibrahim,AP[SRG],
Department of Computer Applications,
Kumaraguru College of Technology,
Coimbatore – 641049.

3. Specialization – Digital Security

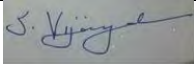


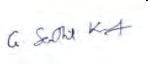
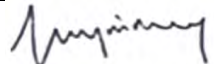

Dr.C.Rajan Krupa,AP[SRG],
Department of Computer Applications,
Kumaraguru College of Technology,
Coimbatore – 641049.

4. Specialization – Networking

Dr.L.Dhanabal,AP III,
Department of Computer Applications,
Kumaraguru College of Technology,
Coimbatore – 641049.

Faculty Members of MCA

1. Dr.J.Vijay Prakash, Associate Professor/KCT
2. Dr.R.K.Kavitha,AP III/KCT
3. Dr.N.Jayakanthan,AP III/KCT
4. Ms.V.Jalaja Jayalakshmi,AP II/KCT
5. Ms.M.Amala Jayanthi,AP II/KCT

					
Dr.S.Vijayalakshmi	Dr.P.Vasanthi Kumari	Dr.M.Nageswara Gupta	Mr.G.Senthil Kumar	Mr.R.Madhan Kumar	Dr.V.Vijilesh

- The Chairman formally welcomed the gathering.
- The Board of Studies held discussions on the
 - Regulations 2020 (R20) Curriculum- Semester-wise and Self-study Electives
 - R20 Bridge courses
 - PAC and DAB Meeting recommendations
 - Approval of targets for CO/PO attainment for Academic year 2022-23
 - Approval of Panel of Examiners for Academic year 2022-23
 - Suggestions for Regulations 2023 (R23)
 - Members Recommendations for Implementing NEP 2020
- Dr. V.Geetha, the BOS coordinator made a walkthrough on the Syllabus of R20 for all the semesters including Elective courses and Bridge courses.

General Comments:

1. The members also deliberated on the grouping of the elective courses into tracks and self-study courses
 - a) Dr. S.Vijayalakshmi suggested to keep the following tracks:
 - i) **Technology Oriented Track** : Deep Learning, Block Chain Technologies and Linux Administration can be included.
 - ii) **Management Track** : Game Development, Accounting and Financial Management and Business Domains in Computer Applications.
 - b) Dr. P.Vasanthi Kumari suggested to keep the following tracks: Management, Game Development, Networking and Full Stack Development.
 - c) Dr.Nageswara Gupta M recommended to keep the following tracks: Data Science, Cyber Security and Artificial Intelligence.
 - d) Mr.G.Senthil Kumar suggested to keep the following tracks: Programming Languages, AI, Cross Platform – Web and Mobile Development.
 - e) Mr.R.Madhan Kumar suggested to keep the following tracks: Programming Languages, Project Management and General Management.
2. Mr.R.Madhan Kumar emphasized on the importance of “Object Oriented Analysis and Design” course and suggested that it can taught as a regular course in the Second Semester. He also recommended that the course “UI design” can be taught as a core course in the third semester.

3. Dr. P.Vasanthi Kumari suggested to have continuous assessment for Lab component in embedded courses instead of conducting an end semester examination. She also recommended that the students should be advised to take Global Certification Courses relevant to the Computer field and this has to be clearly mentioned in the regulation.
4. Dr. Vijayalakshmi suggested that students can be allowed to take-up Global Certification Courses such as Edx, Coursera, etc., and four credits can be awarded to courses having a duration of 12 weeks or more. The marks obtained by the students in the certification course can be taken for grade calculation. An elective subject can be waived for the students completing the recommended certificate courses.
5. Mr.Madhan Kumar pointed out that the norms should be clearly stated in the curriculum for global certification courses. He also advised to offer this in the third semester as it will be useful for the students while doing their final semester project.
6. Dr. Vijayalakshmi advised to clearly specify in the curriculum the type of project (industry/R & D project) to be done during the final semester.
7. The targets for various COs, POs/PSOs prescribed for the forthcoming semester is approved.
 - Analytical courses - 60%
 - Other Courses - 65%
8. Panel of Examiners for AY 2022-23 is approved.
- 9.The meeting concluded with all the above-mentioned thoughts and the vote of thanks



Dr.V.Vijilesh,
(Chairman, BOS MCA)

Copy to:

The Convenor,
All the External Members.
All the Internal Members – by circulation.
The Chairman – Academic Council.
The Principal.
The Head Autonomous

KUMARAGURU COLLEGE OF TECHNOLOGY
(An Autonomous Institution Affiliated to Anna University)
Coimbatore -641049

Minutes of Board of Studies

The 16th Board of Studies Meeting for Computer Applications was held on 23/07/2022 at 10:00 A.M. through Online Mode.

The following members were present,

Chairman - BOS

Dr.M.Manikantan, Associate Professor,
Head of Department (I/C),
Department of Computer Applications,
Kumaraguru College of Technology,
Coimbatore.

University Nominee

Dr.S.Vijayalakshmi
Professor,
Department of Computer Applications,
Thiagarajar College of Engineering,
Madurai-625 015
Email:svlcse@tce.edu
Mobile: 92442 13474

Expert nominated by Academic Council (outside the Parent University)

1. Dr. P.Vasanthi Kumari,
Associate Professor,
Department of Computer Applications,
School of Engineering,
Dayananda Sagar University,
Kudlu Gate, Bangalore ,
Email : vasanthi-bca@dsu.edu.in.
Mobile:9894113413

2. Dr.M. Nageswara Gupta,
Principal ,
Sri Venkateswara College of Engineering , Bangalore.
Email:
Mobile:9843255706

Post Graduate Meritorious Alumni Nominated by Principal

Mr.G. Senthil Kumar,
Android Developer,
Zoho Corporation Pvt. Ltd.
Chennai
Email:Senthilkumar.g@zohocorp.com
Mobile:9952423337

BOS Co- Ordinators

- 1.Dr.P.Parameswari,AP[SRG]/MCA,KCT
- 2.Ms.M.C.S.Geetha,AP/MCA,KCT

Teaching Faculty from each specialization

1. Specialization – Data Analytics

Dr.V.Geetha, Professor,
Department of Computer Applications,
Kumaraguru College of Technology,
Coimbatore – 641049.

2. Specialization – Software Engineering

Dr.S.HameedIbrahim,AP[SRG],
Department of Computer Applications,
Kumaraguru College of Technology,
Coimbatore – 641049.

3. Specialization – Digital Security

Dr.C.RajanKrupa,AP[SRG],
Department of Computer Applications,
Kumaraguru College of Technology,
Coimbatore – 641049.

4. Specialization – Networking

Dr.L.Dhanabal,AP III,
Department of Computer Applications,
Kumaraguru College of Technology,
Coimbatore – 641049.

Faculty Members of MCA

1. Dr.J.Vijay Prakash, Associate Professor/KCT
2. Dr.R.K.Kavitha,AP III/KCT
3. Dr.N.Jayakanthan,AP III/KCT
4. Ms.V.JalajaJayalakshmi,AP II/KCT
5. Ms.M.AmalaJayanthi,AP II/KCT

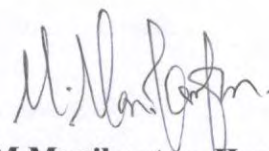
The Chairman formally welcomed the gathering.

- The Board of Studies held discussions on the Elective track, one credit courses and Bridge courses for the upcoming new regulation of MCA programme.
- Dr. P. Parameswari, the BOS coordinator made a walkthrough on the syllabus for all the semesters, Elective courses, One Credit courses and Bridge courses.
- Discussed on the splitting of the elective courses into tracks and self-study courses.
- Discussed on the Bridge courses to include 2 theory courses and 2 lab courses. The theory and lab courses are as follows:
- Theory courses:
 - Fundamentals of Computing I
 - Fundamentals of Computing II.
- Under Fundamentals of Computing I,
 - Computer Organization
 - Digital Fundamentals
 - Computer Networks.
- Under Fundamentals of Computing II,
 - Problem Solving Basics
 - OOPS Concepts
 - DBMS Basics
- Lab courses:
 - C
 - Python

General Comments:

1. Dr.Nageswara Gupta M and Dr. Vijayalakshmi proposed to provide specific sub topics for Computer Organization and Computer Networks, so there it will a clarity for both students and faculty.
2. Dr.Nageswara Gupta and Dr. Vijayalakshmi suggested to provide specific sub topics for DBMS, though it was core course, it can be covered in bridge course. Dr. Vijayalakshmi suggested that Database Architecture and ER Diagram is very vast, so the content can be reduced.
3. Mr.Senthil Kumar G suggested to provide content related to logical thinking, so that can help the students in placements.
4. Dr.Nageswara Gupta suggested to include Application Clinics similar to Engineering Clinics. He discussed the Best practices which is followed in their institutions. He suggested to include Design Thinking as a part of the upcoming curriculum, so that thinking ability will be improved.

5. Mr.Senthil Kumar G suggested to use the codeforwinplatform for company specific questions.
6. Dr. Vijayalakshmi suggested to use various online platforms for concepts of both coding and theory.
7. Dr.Nageswara Gupta suggested to segregate Computer Science and Non-Computer Science students. Even though the name of the bridge courses are same, the contents can be different for Computer Science and Non-Computer Science students.
8. Mr.Senthil Kumar G suggested to include Web 3.0 in Web Technologies track.
9. Dr. Nageswara Gupta M suggested to include specific tools like Multi-platform programming using Intel one API and Cross-platform Mobile Apps withBlazor.
10. Dr. Vijayalakshmi suggested to include C# in Web Technologies Track and to provide specific tools.
11. Dr. Vijayalakshmi suggested to include Business Process Reengineering and Supply Chain Management as Self Study Course.
12. Dr. Nageswara Gupta M suggested to include Robotic Process Automation under Information Systems track.
13. Dr. Nageswara Gupta M suggested to have Project Design and Information Systems track instead of Management track, so that subjects which comes under Management as well as Project Design can be included.
14. Dr. Nageswara Gupta M suggested to give any Swayam courses or NPTEL courses for the Self-study. 12 weeks NPTEL courses can be given for 3 credits.



Dr.M.Manikantan, Head
(Chairman, BOS MCA)

Copy to:

The Convenor,
All the External Members.
All the Internal Members – by circulation.
The Chairman – Academic Council.
The Principal.
The Head Autonomous

KUMARAGURU COLLEGE OF TECHNOLOGY
(An Autonomous Institution Affiliated to Anna University)
Coimbatore -641049

Minutes of Board of Studies Meeting

The Board of Studies Meeting for Computer Applications was held on 11/12/2021 at 03:00 P.M. Through Online Mode.

The following members were present,

Chairman - BOS

Dr.M.Manikantan, Associate Professor,
Head of Department (I/C),
Department of Computer Applications,
Kumaraguru College of Technology,
Coimbatore.

University Nominee

Dr.S.Vijayalakshmi
Professor,
Department of Computer Applications,
Thiagarajar College of Engineering,
Madurai-625 015
Email:svlcse@tce.edu
Mobile: 92442 13474

Expert nominated by Academic Council

1. Dr. Vasanthi Kumari P,
Associate Professor,
Department of Computer Applications,
School of Engineering,
Dayananda Sagar University,
Kudlu Gate, Bangalore ,
Email : vasanthi-bca@dsu.edu.in.
Mobile:9894113413

2. Dr.Nageswara Gupta M,
Principal ,
Sri Venkateswara College of Engineering , Bangalore.
Email: mnguptha@yahoo.com
Mobile: 9843255706

Representative from Industry

Mr. Madhan Kumar .R
Service Delivery Manager
Robert Bosch Engineering and Business solutions Ltd.,

Tidel Park ,Coimbatore 641014
Email: Madhankumar.rajendran@in.bosch.com
Mobile:9994483332

Post Graduate Meritorious Alumni

Mr.Senthil Kumar G,
Member- Leadership -Staff,
Zoho Corporation Pvt. Ltd.
Chennai
Email:Senthilkumar.g@zohocorp.com
Mobile:9952423337

BOS Co- Ordinators

- 1.Dr.P.Parameswari,AP[SRG]/MCA,KCT
- 2.Ms.M.C.S.Geetha,AP/MCA,KCT

Teaching Faculty from each specialization

1. Specialization – Data Analytics

Dr.V.Geetha, Professor,
Department of Computer Applications,
Kumaraguru College of Technology,
Coimbatore – 641049.

2. Specialization – Software Engineering

Dr.S.Hameed Ibrahim, AP [SRG],
Department of Computer Applications,
Kumaraguru College of Technology,
Coimbatore – 641049.

3. Specialization – Digital Security

Dr.W.Jaisingh, AP[SRG],
Department of Computer Applications,
Kumaraguru College of Technology,
Coimbatore – 641049.

4. Specialization – Networking

Dr.L.Dhanabal, AP[SRG],
Department of Computer Applications,
Kumaraguru College of Technology,
Coimbatore – 641049.

Faculty Members of MCA

1. Dr.J.Vijay Prakash, Associate Professor/KCT
2. Dr.C.Rajan Krupa, AP[SRG]/KCT
3. Dr.R.K.Kavitha, AP[SRG]/KCT

4. Dr.N.Jayakanthan, AP[SRG]/KCT
5. Ms.V.Jalaja Jayalakshmi, AP/KCT
6. Ms.M.Amala Jayanthi, AP/KCT
7. Mr.C.Ramachandran, AP/KCT

Student Representatives

1. Mr.A. Parthasarathy - Final Year MCA

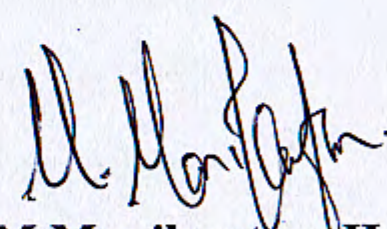
The Chairman formally welcomed the gathering.

- The Board of Studies held discussions on the Curriculum for two year MCA programme (Four Semesters) and Syllabus for all Semesters, Electives Courses, One credit Courses, Bridge Courses and for upcoming Curriculum Revision .
- Dr. P. Parameswari, the BOS coordinator made a walkthrough on the syllabus for all the semesters, Elective courses, One credit courses.
- Dr. M.Manikantan, HOD/MCA briefed about the bridge course details.

General Comments:

1. Dr.Nageswara Gupta M proposed to include skill development courses like Design Thinking, Innovation, Health and Well-being in . He further added to make Interpersonal values as a mandatory course in the upcoming curriculum revision aligned to National Education Policy.
2. The BoS team discussed about Leet code platform , that can help the students to practice programming skills by solving coding questions.
3. Dr.Nageswara Gupta M discussed the assessment pattern and best practices which is followed in their institution .
4. Dr.Nageswara Gupta M suggested Combo Week pattern, where completely one week can be allotted for theory and one week for practical with assessment and assignment.
5. Dr. Vijayalakshmi.S suggested to go for streaming in elective courses instead of having single elective list.
6. Dr. Vijayalakshmi .S added that the students should be explained about each elective stream before selecting elective courses.
7. All the BoS members felt that certification courses can be given to the students and credit distribution can be done.
8. Mr. Madhan Kumar .R suggested not to have repetition between Regular course syllabus and Bridge course syllabus .

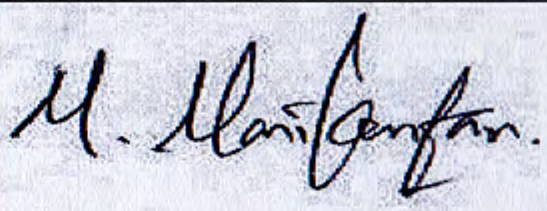
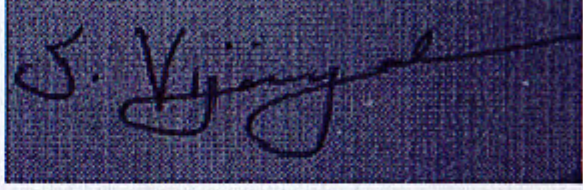
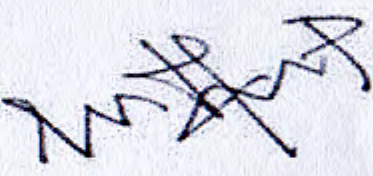
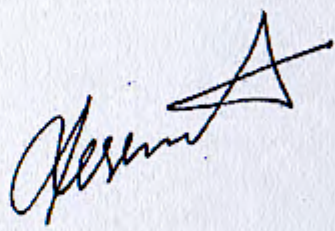
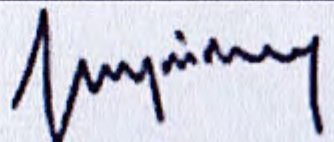
9. Mr. Madhan Kumar .R felt that Object Oriented Analysis and Design should be made as the mandatory course since it is very important for the students to know the basics in the first year.
10. Mr. Madhan Kumar .R suggested that the Network Administration, UX design, cloud computing, Language courses like Japanese, German and RPA can be included for the placement purpose.
11. Dr. Vijayalakshmi.S suggested to motivate students to do certification courses from coursera , NPTEL and Udemy .
12. Dr. Vijayalakshmi. S, Dr.Vasanthi Kumari.P and Mr. Madhan Kumar .R felt that the students attitude has to be inculcated since it is one of the major factor for getting placement.
13. Dr.Nageswara Gupta.M, , Mr. Madhan Kumar .R and Mr.Senthil Kumar G suggested to include the latest technology like Jet back compose called No Code Low code for android application where single user interface can be developed with minimum coding.
14. Mr.Senthil Kumar G suggested to include Unix Programming course with the concepts of shell programming and administration in the upcoming revision.
15. Dr. Manikantan.M elaborated to the panel members that considering the pandemic situation and to make the learning process more effective, bridge course is being offered in offline mode to all the students admitted in this academic year.
16. He further added that bridge course exam will be conducted to all the students who have attended the bridge course and bridge course mark sheet will be given with the grades earned by the students.
17. Further Question Paper Pattern for the upcoming bridge courses were discussed and got approval with BoS members.

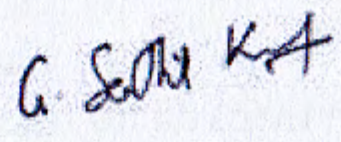


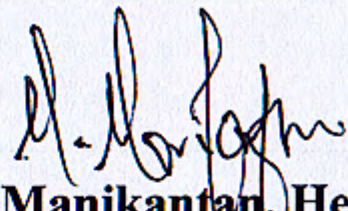
Dr.M.Manikantan, Head

(Chairman, BOS /MCA)

The chairman thanked all the members for their suggestion and substantial inputs provided in the meeting. The meeting concluded by 5.00 PM

Sl.No.	Details of Expert	Signature
1.	Chairman - BOS	
	Dr.M.Manikantan, Associate Professor, Head of Department, Department of Computer Applications, Kumaraguru College of Technology, Coimbatore.	
2.	Name of the University Nominee	
	Dr.S.Vijayalakshmi Professor, Department of Computer Applications, Thiagarajar College of Engineering, Madurai-625 015 Email: svlcse@tce.edu	
3	Name of the expert nominated by Academic Council (outside the Parent University)	
	1. Dr. Vasanthi Kumari P, Associate Professor, Department of Computer Applications, School of Engineering, Dayananda Sagar University, Kudlu Gate, Bangalore , Email : vasanthi-bca@dsu.edu.in. Mobile:9894113413	
	2. Dr. Nageswara Gupta M, Senior Associate Professor, School of Computer Science and Engineering, VIT Bhopal University, Bhopal, Madhya Pradesh, Email : Nageswara.gupta@vitbhopal.ac.in, Mobile:9843255706	
4.	Representative from Industry/corporate sector/allied area relating to placement	
	Mr. Madhan Kumar .R Service Delivery Manager Robert Bosch Engineering and Business solutions Ltd., Tidel Park ,Coimbatore 641014 Email: Madhankumar.rajendran@in.bosch.com Mobile:9994483332	
5.	Post Graduate Meritorious Alumni Nominated by Principal	

Mr.Senthil Kumar G, Member- Leadership -Staff, Zoho Corporation Pvt. Ltd. Chennai Email: Senthilkumar.g@zohocorp.com Mobile: 9952423337	
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Dr.M.Manikantan, Head
(Chairman, BOS /MCA)


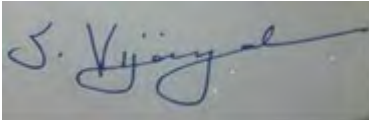

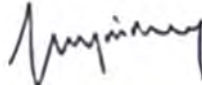
Copy to:

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 The Chairman – Academic Council.
 The Principal.
 The Head Autonomous

KUMARAGURU COLLEGE OF TECHNOLOGY
(An Autonomous Institution Affiliated to Anna University)
Coimbatore -641049

Minutes of Board of Studies

The Board of Studies Meeting for Computer Applications was held on 05/06/2021 at 10:30 A.M. Through Online Mode.

Sl.No.	Details of Expert	Signature
1.	<u>Chairman - BOS</u>	
	Dr.M.Manikantan, Associate Professor, Head of Department, Department of Computer Applications, Kumaraguru College of Technology, Coimbatore.	
2.	Name of the University Nominee	
	Dr.S.Vijayalakshmi Professor, Department of Computer Applications, Thiagarajar College of Engineering, Madurai-625 015 Email: svlcse@tce.edu	
3	Name of the expert nominated by Academic Council (outside the Parent University)	
	1. Dr. Vasanthi Kumari P, Associate Professor, Department of Computer Applications, School of Engineering, Dayananda Sagar University, Kudlu Gate, Bangalore , Email : vasanthi-bca@dsu.edu.in. Mobile:9894113413	
	2. Dr. Nageswara Gupta M, Senior Associate Professor, School of Computer Science and Engineering, VIT Bhopal University, Bhopal, Madhya Pradesh, Email : Nageswara.gupta@vitbhopal.ac.in, Mobile:9843255706	
4.	Representative from Industry/corporate sector/allied area relating to placement	
	Mr. Madhan Kumar .R Service Delivery Manager Robert Bosch Engineering and Business solutions Ltd., Tidel Park ,Coimbatore 641014 Email: Madhankumar.rajendran@in.bosch.com Mobile:9994483332	

	Post Graduate Meritorious Alumni Nominated by Principal	
5.	Mr. Senthil Kumar G, Team lead associate Zoho Corporation Pvt. Ltd. Chennai Email: Senthilkumar.g@zohocorp.com Mobile: 9952423337	G. Senthil Kumar
	BOS Co-Ordinator's	
6.	1.Dr.P.Parameswari,AP[SRG]/MCA,KCT 2.Ms.M.C.S.Geetha,AP/MCA,KCT	
	Specialization – Data Analytics Dr.V.Geetha, Professor, Department of Computer Applications, Kumaraguru College of Technology, Coimbatore – 641049.	
	Specialization – Software Engineering Dr.S.Hameed Ibrahim,AP[SRG], Department of Computer Applications, Kumaraguru College of Technology, Coimbatore – 641049.	
7.	Specialization – Security Dr.W.JaiSingh, Assistant Professor (SRG), Department of MCA, Kumaraguru College of Technology Coimbatore-641049 Email: jaisingh.w.mca@kct.ac.in	
	Specialization – Network Dr.L.Dhanabal, Assistant Professor (SRG), Department of MCA, Kumaraguru College of Technology , Coimbatore-641049 Email: dhanabal.l.mca@kct.ac.in	
8.	Faculty Members of MCA 1.Dr.J.Vijay Prakash, Associate Professor & (COE)KCT 2.Dr.C.Rajan Krupa ,AP[SRG]/KCT 3.Dr.R.K.Kavitha,AP[SRG]/KCT 4.Dr.N.Jayakanthan,AP[SRG]/KCT 5.Ms.V.Jalaja Jayalakshmi,AP/KCT 6.Ms.M.Amala Jayanthi, AP/KCT 7.Mr.C.Ramachandran,AP/KCT	
9.	Student Representatives 1.Ms. Harshanaa K J (20MCA020) 2.Mr.Vijay Kumar M (18MCA004)	

The Chairman formally welcomed the gathering.

The Board of Studies held discussions on the Curriculum for two year MCA programme (Four Semesters) and Syllabus for Semester 3 & 4, Electives Courses, One credit Courses ,PEO's ,PO's and Bridge Courses.

- The Board held the proposal on the syllabus for semester 3, 4, Elective courses, One credit courses and Bridge courses of the 2-year MCA programme.
- Dr. P. Parameswari, the BOS coordinator made a walkthrough on the syllabus for semesters 3, 4, Elective courses, One credit courses and Bridge courses.

General Comments:

Panel members suggested to replace the elective course Semantic Web Technologies with courses like Quantum Computing , HealthCare Technologies or some other course relevant to the current industrial need.

Semester - III:

1. Members suggested to change the textbook for the course “Ethics in Computing” if possible with latest edition after September 2019, Since new amendments are included in the new edition. Action verbs in Cos can be changed.
2. Members suggested to include generic names and remove commercial or brand names in the course “Cloud Computing“. The members also proposed to include firebase, ERP based cloud applications like SAP and HANA.
3. Members suggested that the course “Artificial Intelligence” is very vast ,so the course content can be reduced. 4th unit can be divided into 2, 5th unit can be moved to 1st unit. The topic named Reinforcement Learning can be changed to overview of Reinforcement Learning.

Electives:

4. Members suggested to include the pre-requisites in the Elective papers. Electives classification can be done if possible.
5. Members suggested to include the Virtual Reality Lab or demo for the course “Mixed Reality” and also recommended that the practical component can be included.
6. Application development and group presentation can be given for the students with assignments.
7. Semantic Web can be combined with Web technologies, or it can be replaced with other subjects, since many concepts are outdated.

8. In the Middleware Technologies, deprecated topics can be removed. This subject can be added with the bridge course instead of elective.
9. Robotic Process Automation can be made as a mandatory Elective since the students placement requirement are more in the software organizations. The members suggested to attach industry person to teach these type of courses.
10. The members suggested to expand the title UI & UX.

One credit courses:

11. All the evaluation details have to be maintained.
12. Certification like Project Management, Service Management and Languages like German, Japanese can be included.

Question Paper Setters and Pattern:

13. Question Paper Pattern was discussed with BoS members.
14. Question Paper Setters and examiner panel for 2nd, 4th & 6th semesters were approved by BoS members.

General:

15. Discussed about stakeholders' feedback on curriculum and syllabus.
16. Further the panel discussed on upgradation of infrastructure and teaching aids to aid content delivery and the best practices followed in member's institutions.



**Dr.M.Manikantan, Head
(Chairman, BOS MCA)**

Copy to:

The Convenor,
All the External Members.
All the Internal Members – by circulation.
The Chairman – Academic Council.
The Principal.
The Head Autonomous

KUMARAGURU COLLEGE OF TECHNOLOGY
(An Autonomous Institution Affiliated to Anna University)
Coimbatore -641049

Minutes of Board of Studies

The Board of Studies Meeting for Computer Applications was held on 23/11/2020 at 10:00 A.M. Through Online Mode.

The following members were present,

Chairman - BOS

Dr.M.Manikantan, Associate Professor,
Head of Department (I/C),
Department of Computer Applications,
Kumaraguru College of Technology,
Coimbatore.

University Nominee

Dr.S.Vijayalakshmi
Professor,
Department of Computer Applications,
Thiagarajar College of Engineering,
Madurai-625 015
Email:svlcse@tce.edu
Mobile: 92442 13474

Expert nominated by Academic Council (outside the Parent University)

1. Dr. Vasanthi Kumari P,
Associate Professor,
Department of Computer Applications,
School of Engineering,
Dayananda Sagar University,
Kudlu Gate, Bangalore,
Email: vasanthi-bca@dsu.edu.in.
Mobile: 9894113413

2. Dr.Nageswara Gupta M,
Senior Associate Professor,
School of Computer Science and Engineering,
VIT Bhopal University,
Bhopal, Madhya Pradesh,
Email: Nageswara.gupta@vitbhopal.ac.in,
Mobile: 9843255706

Representative from Industry/corporate sector/allied area relating to placement

Mr. Madhan Kumar .R
Service Delivery Manager
Robert Bosch Engineering and Business Solutions Ltd.,

Tidel Park, Coimbatore 641014

Email: Madhankumar.rajendran@in.bosch.com

Mobile: 9994483332

Post Graduate Meritorious Alumni Nominated by Principal

Mr.Senthil Kumar G,

Android Developer,

Zoho Corporation Pvt. Ltd.

Chennai

Email:Senthilkumar.g@zohocorp.com

Mobile: 9952423337

BOS Co- Ordinators

1.Dr.P.Parameswari, AP[SRG]/MCA, KCT

2.Ms.M.Amala Jayanthi, AP/MCA, KCT

Teaching Faculty from each specialization

1. Specialization – Data Analytics

Dr.V.Geetha, Professor,

Department of Computer Applications,

Kumaraguru College of Technology,

Coimbatore – 641049.

2. Specialization – Software Engineering

Dr.S.Hameed Ibrahim, AP[SRG],

Department of Computer Applications,

Kumaraguru College of Technology,

Coimbatore – 641049.

3. Specialization – Digital Security

Dr.W.Jaisingh, AP[SRG],

Department of Computer Applications,

Kumaraguru College of Technology,

Coimbatore – 641049.

4. Specialization – Networking

Dr.L.Dhanabal, AP[SRG],

Department of Computer Applications,

Kumaraguru College of Technology,

Coimbatore – 641049.

Faculty Members of MCA

1. Dr.J.Vijay Prakash, Associate Professor/KCT

2. Dr.C.Rajan Krupa ,AP[SRG]/KCT

3. Dr.R.K.Kavitha, AP[SRG]/KCT

4. Dr.N.Jayakanthan, AP[SRG]/KCT

5. Ms.V.Jalaja Jayalakshmi, AP/KCT

6. Mr.C.Ramachandran, AP/KCT

Student Representatives

1. Mr.Manikandan .A (18MCA002)
2. Mr.Vijay Kumar M (18MCA004)

The Chairman formally welcomed the gathering.

The Board of Studies held discussions on the Curriculum for two year MCA programme (Four Semesters) and Syllabus for Semester 1&2 , Electives Courses and One credit Courses.

- The Board held the proposal on the syllabus for semester 1, 2 and elective courses of the 2 year MCA programme.
- Dr.P.Parameswari, the BOS coordinator made a walkthrough on the syllabus for semesters 1, 2, Elective and one credit courses.

General Comments:

1. Panel members suggested that courses, dealing with various domain specific terminologies may be included.
2. Textbooks should be of latest edition.

Semester - I:

3. Members suggested that the course “Operating Systems” can be included in the I Semester as it is an important subject needed for MCA students. The course should also include Virtualization concept in the syllabus.
4. The course “Business Domains in Computer Applications “ which is in the I semester can be moved to subsequent semesters and the portions of units III, IV & V can be reduced as the members felt that it is too vast.
5. It was suggested to include Nested tables as a part of DBMS lab.
6. In the course “Java Programming “the deprecated topics (like RMI and Applets) can be removed and can be replaced by current trends such as Spring replaced with Spring (Advanced).

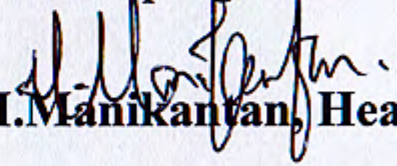
Semester – II:

7. Members suggested the following for the Web Technologies course,
 - Instead of PHP, ASP or JSP can be included.
 - Basic concepts of UX design and development can be included.
8. For the course Data Intensive Computing course, the discussions are as follows,
 - First module in the syllabus “Big Data Analytics” can be offered as a separate elective paper.
 - This course can cover the data mining concepts.

- Lab exercises for “Data Intensive Computing lab” can include problems related to data mining.
- 9. Members Suggested that latest edition of the textbook “Data Communication and Networking - Behrouz A. Forouzan” can be included for the course Data Communications and Networks.

Electives:

- 10. One of the panel members suggested to include the topic UNITY in the subject Game Development.
- 11. Members suggested to include the subject RPA (Robotic Process Automation) and also recommended that the students must be motivated to get ITIL (Information Technology Infrastructure Library) certified.
- 12. “Design thinking and RPA” can be added in one credit course or an elective course.
- 13. Inclusion of subjects inculcating Service mindset i.e., How to deal a customer, was also recommended.
- 14. Open electives or one credit courses may be offered to the students in upcoming technologies
- 15. Business Domains in Computer Applications may be added as elective instead of core paper.
- 16. Elective may be categories into various streams if possible.
- 17. The topics like Pygames can be included in Game Development.
- 18. The topic “Business Process Reengineering” can be added in Enterprise Resource Planning.
- 19. Members appreciated the inclusion of the topic “Commerce on Web” in E-Commerce elective course.
- 20. Suggested to encourage the students to complete the certification courses.
- 21. Existing regulation to be revised for the forthcoming 2020 batch of MCA program.


Dr.M.Manikantan, Head
(Chairman, BOS MCA)

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All the Internal Members – by circulation.
The Chairman – Academic Council.
The Principal.
The Head Autonomous



KUMARAGURU COLLEGE OF TECHNOLOGY

COIMBATORE- 641 04

(An Autonomous Institution Affiliated to Anna University, Chennai)

MINUTES OF BOARD OF STUDIES MEETING

Department: COMPUTER APPLICATIONS

Program: MCA

Venue: MBA-Training Centre

Date: 24.11.2018 Time: 2.00 P.M

The Board of Studies meeting for Computer Applications was held on November 24, 2018 at 2.00 PM in MBA-Training Centre, KCT. The following external and internal members were present.


External Members

1. Dr. G. Sudha Sadasivam
Anna University Nominee (AUN),
Professor & Head Department of Computer Science and Engineering,
PSG College of Technology Coimbatore – 641 004
2. Dr.S.P. Shantharajah,
Professor, School of Information Technology & Engineering,
(SITE), Vellore Institute of Technology (VIT),
Vellore - 632014.
3. Dr.A. Muthukumar,
Associate Professor,
Dept. of Computer Science and Engineering
PSG Institute of Technology and Applied Research, (PSG Tech),
Coimbatore – 641062.
4. Mr.Sivakumar Govindaraj,
Senior Specialist IT
Danske IT & Support Services Pvt. Ltd.
Bangalore – 560103
Cell: 9739276867
Govindaraj.sivakumar@gmail.com
sigo@danskeit.co.in
5. Mr. N. Senthil Raja
Technical Architect, System, Coimbatore
Cell: 9894370798
snagarajan@sphata.com

BoS Chairman & Convenor

1. Dr. M.Manikantan, HoD and Chairman – BoS
2. Dr. P. Parameswari, BoS Convenor

Internal Members



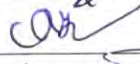

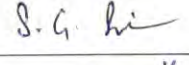
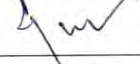
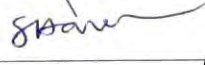
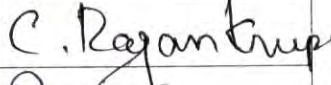

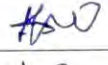
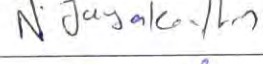
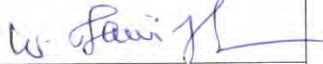
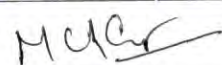
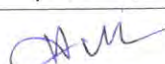
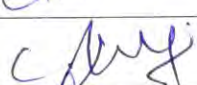
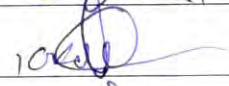



1. Mr.S.Hameed Ibrahim, AP, SRG
2. Dr.C.Rajan Krupa, AP, SRG
3. Dr. R.K.Kavitha, AP, SRG
4. Dr. L.Dhanabal, AP, SRG
5. Mr.N.Jayakanthan, AP, SRG 
6. Dr.W.Jai Singh, AP, SRG
7. Ms.M.C.S.Geetha, Assistant Professor
8. Ms.V.Jalaja Jayalakshmi, Assistant Professor
9. Mr.C.Ramachandran, Assistant Professor
10. Mr.K.Kathirvel, Assistant Professor
11. Dr V Geetha, Head- Accreditation
12. Dr.J. Vijay Prakash, Deputy COE-Autonomous
13. Dr.C.S.Sentthil Kumar, Head Autonomous
14. Dr.Vinohar Stephen Rapheal, DOA Representative

Student Representatives

1. Mr.N.Vignesh, II MCA
2. Mr.S.Seetha Raman, II MCA

The Chairman informed that the meeting has been called to review the curriculum and syllabus of 2018 Regulations for Computer Applications programme. The following points were discussed during the meeting:

The Chairman thanked all the members for their suggestions and substantial inputs provided in the meeting. She also requested the internal members to include the changes. The meeting concluded by 4.30 PM.

S. No.	Details of the Expert	Signature
1	Dr. G. Sudha Sadasivam, Anna University Nominee	
2	Dr.M.Manikantan, Chairman-BOS	
3	Dr.S.P. Shantharajah –Academic Expert Member	
4	Dr.A. Muthukumar - Academic Expert Member	
5	Mr.Sivakumar Govindaraj - Industry Representative	
6	Mr. N. Senthil Raja - Alumni Representative	
7	Dr.P.Parameswari - Convenor	
8	Mr.S.Hameed Ibrahim, AP, SRG	
9	Dr.C.Rajan Krupa, AP, SRG	
10	Dr. R.K.Kavitha, AP, SRG	
11	Dr. L.Dhanabal, AP, SRG	
12	Mr.N.Jayakanthan, AP, SRG	
13	Dr.W.Jai Singh, AP, SRG	
14	Ms.M.C.S.Geetha, Assistant Professor	
15	Ms.V.Jalaja Jayalakshmi, Assistant Professor	
16	Mr.C.Ramachandran, Assistant Professor	
17	Mr.K.Kathirvel, Assistant Professor	
18	Student representatives 1. Mr.N.Vignesh, II MCA 2. Mr.S.Seetha Raman, II MCA	
19	Dr. C. S. Senthil Kumar, Head Autonomous	
20	Dr.J. Vijay Prakash, Deputy COE-Autonomous	

21	Dr V Geetha, Head- Accreditation	<i>Geetha</i>
22	Dr. Vinohar Stephen Rapheal, DOA Representative	<i>VS</i> 24/11/18

Dr. M. Manikandan
Dr.M.Manikandan

HoD/MCA and Chairman-BoS

Distribution

1. All members-with request to give their comments on the minutes
2. Convenor

Copy for kind information

1. Chairman-Academic Council and Principal
2. Correspondent
3. Joint Correspondent

D. J. Jeyapalan
PRINCIPAL

The BOS Coordinator formally welcomed the gathering.

The Board of Studies held discussions on the curriculum 2018:

- The Board held the proposal on the new curriculum of MCA programme and regulations.
- The syllabus for III to VI Semester Courses, Program Electives and One Credit Courses of regulations 2018 were put on discussion.

The Board suggested the following changes:

Semester II:

- **P18CAI2304 – Software Engineering**
 - Suggestion 1: Object oriented analysis & structured analysis, object oriented design & structured design can be included. Instead, contents on software reengineering can be removed.
 - Suggestion 2: OOAD has to be a core subject. Since it is listed in Program Electives, it can be removed and merged with Software engineering with OOSE concepts.

Semester III:

- **P18CAI3201 - User Interface Design and Development**
 - In course outcome CO4, XML is specified. But the syllabus does not contain any content in XML. XML basics can be included.
 - Theory part on user interface design can be included in the syllabus.
 - Angular JS can be included instead of PHP.
 - One more exercise in design to be included in lab component.
 - In syllabus, the contents of 3 units can be on design and 2 units can be on development.
 - Student members felt that the Contents on HTML/CSS can be reduced and JQuery and Angular JS contents can be included, as it is required for placements.
- **P18CAT3102 – Analysis of Algorithms**
 - Problems can be given to the students by faculty during course handling, in such a way that they can analyse the code and write a part of the code.

- **P18CAT3003 - Machine Learning and Data Analysis**
 - Course name can be changed as **Data Mining and Analytics**
 - First unit on Machine learning can be removed as it is not required in Data mining.
 - In references, 1st text book has to be removed, if course content on machine learning is removed.

- **P18MAI3201 - Probability and Statistics for Data Analysis**
 - Syllabus is standard.
 - CO's have to be changed with keywords in blooms taxonomy.

- **P18CAI3204 - Programming with JAVA**
 - In Advanced Java, Swing fundamentals and classes can be removed, as it is outdated. Instead, REST/SOAP can be included.
 - Since in real time application development, Java has to be communicated with other languages, contents on integration of Java with other programming languages can be included.
 - Latest topics like Lambda to be included in theory content.
 - In lab, exercises can be given for application development.

Semester IV:

- **P18CAI4201 – Software Testing**
 - Automation of testing can be explained in classes.
 - The course handling faculty answered that the subject is embedded with laboratory; the exercises are given in such way that the students learn automation of testing.

- **P18CAT4102 – Big Data Analytics**
 - Pre-requisite machine learning has to be removed, if Machine Learning course content is changed with Data mining content.
 - Can have lab component. i.e., integrated with lab. Can have simple exercises in data base point of view.

- **P18CAI4203 – Web Development**

- Overlapping portions of Java syllabus can be removed and replaced with some other topics.
- SPRING and STRUTS are similar. Can have any one (SPRING) and expand its contents.

- **P18INI4300 - Engineering Clinic II**

- Exercises on Virtual reality and augmented reality can be included.

Semester V:

- **P18CAI5301 – Cloud Application Development**

- Suggestion 1: Can be added with Web Development and can have space for one more core subject.
- Suggestion 2: More number of lab exercises can be included instead of theory content.

Program Electives:

- Information Security can be moved to core subjects list.
- Digital Image Processing can be removed, as it is less chosen by students.
- Domain Analytics
 - Mistakes in syllabus to be corrected. (HER to be replaced with EHR).
 - Financial Analytics can be included.
 - The course title can be changed as Social Network Analytics, by having health care and finance in Social network analysis.
- Artificial Intelligence
 - Text book has to be changed and the syllabus to be revamped.
- Game Development
 - AR and VR concepts can be included.

One Credit Courses:

- In Agile Methodology, agile testing can be included.
- Data Analytics can be removed from one credit course list, as students are learning big data analytics.
- Open API, Block chain, Java Containers, Design Patterns, Digital Marketing, Hybrid APP Development can be added to the list.

General Suggestions:

- Pre-requisites can be specified with basics instead of another core subject.
- The number of course outcomes (CO's) can be from 3 to 5.
- Students can be motivated to undergo certification courses like NPTEL, Course era etc. and can be given suitable credits.

Ratification for R17 - Regulation:

- The following changes done:

Existing(R17) :


Once RA grade is obtained in an End Semester Examination then student has two options:

- 1) The student has to register for the Summer track, attend the classes, satisfy the minimum attendance requirements, re-earn his/her CAM and then appear for the ESE (or)
- 2) The student can retain the earned CAM during the regular semester, and appear for the ESE for the second time. If he/she obtains an RA grade in the second attempt (1 Regular attempt and 1 Arrear attempt), then the student shall re-register for the course in the summer track

Present (R17):

Once RA grade is obtained in an End Semester Examination then student has to reappear in the subsequent examinations for the concerned course as arrears.

- Content of P17CA14203 - Web development has been reduced.


Dr.M.Manikantan,
(Chairman, BOS MCA)

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The Principal.

The Co- Ordinator (Autonomous)

KUMARAGURU COLLEGE OF TECHNOLOGY
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Board of Studies Meeting

The Board of studies meeting for Computer Applications was held on 17/03/2018 at 2:00 P.M.

The following members were present,

Chairman - BOS

Dr.M.Manikantan, AP (SRG)
Head of Department (I/C),
Department of Computer Applications,
Kumaraguru College of Technology,
Coimbatore.

M. Manikantan
17/3/18

University Nominee

Dr.K.Vani,
Associate Professor,
Department of Information Science & Technology, CEG Campus,
Anna University,
Chennai-600025.

K. Vani
17/3/18

Experts from Premier Institutions

Dr. R Manavalan ,
Associate Professor ,
Department of ~~Applied Mathematics and~~
~~Computational Sciences,~~ *Computer Appins*
PSG College of Technology,
Coimbatore- 641 004.

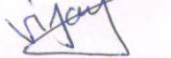
R. Manavalan

Representative from Industry/corporate sector/allied area relating to placement

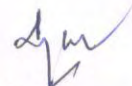

Mr. Bastin Robin,
Senior Data Scientist,
Hash Research Technologies,
Bangalore.

B. Robin
17/3/18

Meritorious Alumni from industry nominated by principal

Mr.Vijay Bhargav, 
System Architect,
Cognizant Technology, Coimbatore-49.

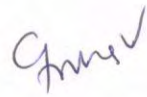
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2. Ms.Amala Jayanthi, AP/MCA,KCT 

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Coimbatore – 641049.



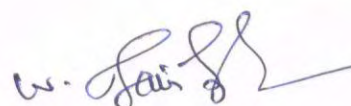
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4. Specialization – Networking

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Faculty Members of MCA

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Coimbatore.

University Nominee

Dr.K.Vani,
Associate Professor,
Department of Information Science & Technology, CEG Campus,
Anna University,
Chennai-600025.

Experts from Premier Institutions

Dr. R Manavalan ,
Associate Professor ,
Department of Applied Mathematics and
Computational Sciences,
PSG College of Technology,
Coimbatore- 641 004.

Representative from Industry/corporate sector/allied area relating to placement

Mr. Bastin Robin,
Senior Data Scientist,
Hash Research Technologies,
Bangalore.

Meritorious Alumni from industry nominated by principal

Mr.VijayBhargav,
System Architect,
Cognizant Technology,Coimbatore-49.

BOS Co- Ordinators

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2. Ms.AmalaJayanthi,AP/MCA,KCT

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4. Mr.K.Kathirvel,AP/KCT

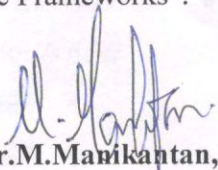
The chairman formally welcomed the gathering and put forth the agenda of the meeting.

The Board discussed on the syllabus for the semesters III,IV,V ,VI and Electives in regulations 2017, and Curriculum and Syllabus for regulation 2018 .

The Board suggested the following changes,

- Semester III:
 - Web Application Development :
 - JSP, MVC patterns, Mean Stack, SCALA and APIs can be included.
 - Remove the topics on .Net,C#,ASP.Net and Silverlight
 - Minimize the contents on frameworks, Introduction about the frameworks alone is pretty good.
 - Lamp stack, Mean stack can be introduced before J2EE Platform.
 - Analysis of Algorithms :
 - Course can include topics on NP complete, NP hard Problems, LCS and string matching.
 - Accounting and Financial Management :
 - Tally can be introduced in the course to have practical experience.
 - Java Programming Lab:
 - Name of the course can be changed.
 - Refine the lab exercises.
 - SCALA, PLAY, MVC frameworks can be included.
- Semester IV :
 - Cloud Application Development :
 - Introduce the topic “Cloud Design” before “Developing Applications”.
 - Foundations of Data Science :
 - Refine the syllabus completely.
- Semester V :
 - Internet of Things :
 - The course can be reframed with contents of embedded systems rather concentrating more on networking aspects.
 - It can be renamed as “Embedded Systems and Internet of Things”.
 - The course can have project instead of lab component.
- Electives :
 - Courses on “Professional Ethics”, “Virtual Reality”and “Domain Analytics” can be added.
 - Advanced Database Management Systems :

- The course can include Mongo DB.
- Agile Practices :
 - “Safe Agile “framework can be included under “Agile Frameworks”.
- Include new edition books as reference books.



Dr.M.Manikantan,
(Chairman, BOS MCA)

Copy to:

The Convenor,

All the External Members.

All the Internal Members – by circulation.

The Chairman – Academic Council.

The Principal.

The Co- Ordinator (Autonomous)

