

24th August 2024

Minutes of the 27th Meeting of Academic Council

The 27th Meeting of the Academic Council of Kumaraguru College of Technology was held on 24th August 2024 (Saturday) from 11.00 a.m. to 1.30 pm at MBA Training Hall, Dr MVB, KCT Campus.

Mode of Meeting – Physical Mode

Venue- MBA training Hall, Mahalingam Vigyan Bhavan, Kumaraguru College of Technology, CBE-49

Following members were present in the meeting:

Chairman – Academic Council – Autonomous Statue

1. Dr. Ezhilarasi M – Principal & Chairman, Academic Council

Members Nominated by Anna University Chennai		
2	Dr.S.Tharves Mohideen	Professor and Head, Department of Mechanical Engineering, Government college of Engineering (IRTT), Erode-638316
3.	Dr.M.Matheswaran	Professor, Department of Chemical Engineering, National Institute of Technology, Tiruchirappalli-620015
4	Dr.P.Varalakshmi	Professor, Department of Information Science and Technology, CEG Campus, Anna University, Chennai: 600025
5.	Dr.D.Prabhakaran	Professor, Department of Chemical Engineering Coimbatore Institute of Technology, Coimbatore-641014

Experts nominated by the Governing Body from outside the college representing such areas as Industry, Commerce, Law, Education, Medicine, Engineering, etc.,		
6.	Mr.R.Ramesh	Executive Director, Janatics India Pvt Limited, E-25, SIDCO Industrial Estate, Kurichi, Coimbatore- 641 021
7.	Ms.Sudha Rengarajan	Director - Software Engineering, Salesforce.com India Private Limited Torrey Pines, Third Floor, Embassy Golf Links Business Park, Varthur Hobli, Challaghatta Village, Bangalore Urban, Karnataka, 560071

Internal Members and Board Chairpersons		
Sl.No.	Name of the Member	Designation & Department
8.	Dr. R.Karthikeyan	Controller of Examinations
9.	Dr. S. Sundaresan	Head Autonomous
10.	Dr. J. Vijay Prakash	Convener, AC Meeting
11.	Dr. Vinohar Stephen Rapheal	Head – Academic Innovations, Head-Bio Technology
12.	Dr. B.Senthilkumar	Coordinator-Autonomous

Internal Members and Board Chairpersons		
Sl.No.	Name of the Member	Designation & Department
13.	Dr. V. Selvan	Head, Civil Engineering- Chairman – Faculty of Civil Engineering
14.	Dr. C. Velmurugan	Head-Mechanical Engineering- Chairman - Faculty Mechanical Engineering
15.	Dr. M. Saravana Mohan	Head-Mechatronics Program Chair - Board of Mechatronics Engineering
16.	Dr. J. D. Andrew Pon Abraham	Head-Automobile Engineering, Program Chair - Board of Automobile Engineering
17.	Dr. M. Senthilkumar	Head-Aeronautical Engineering- Program Chair- Board of Aeronautical Engineering
18.	Dr. V. Dinesh Kumar	Head-Electronics and Instrumentation Engineering, Program Chair, Board of Electronics & Instrumentation Engineering
19.	Dr. K. Malarvizhi	Head-EEE, Chairperson – Board of Electrical & Electronics Engineering
20.	Dr. M. Bharathi	Head-ECE, Chairperson - Board of Electronics & Communication Engineering
21.	Dr. Divya Vadlamudi	Associate Director & HoD ,CSE , Chairperson – Faculty of Computer Science and Engineering and Information Technology
22.	Dr. R. Priyadarshini	Head-Fashion Technology, Program Chair – Board of Fashion Technology
23.	Dr.S.Sivakumar	Head – School of Foundational Sciences
24.	Dr. K. Maheswari	Head-Mathematics & Chairperson – Faculty of Science and Humanities
25.	Dr. K. R. Aranganayagam	Head-Chemistry, Program Chair – Board of Chemistry
26.	Dr. H. Arul	Head-Physics, Program Chair – Board of Physics
27.	Dr. B. Arokia Lawrence Vijay	Head-English, Program Chair – Board of English
28.	Dr. Mary Cherian	Chairperson –Board of Management Studies
29.	Dr. V.Vijilesh	Chairman – Board of Computer Applications
30.	Dr.P.Shenbagam	Head- Artificial Intelligence and Data Science
31.	Dr.Raghupathy S	Director Strategic Planning and Review
32.	Dr Raghuvveer VR	Director, Kumaraguru School of Innovation (KSI),
33.	Prof. A.Pavendhan	Associate dean, Textile Cluster
34.	Dr. N. Ramesh Babu	Dean -Curriculum Design & Development and Electrical Sciences
35.	Dr. K. Sundararaj	Professor-Aeronautical Engineering
36.	Dr.A.Vasuki	Head DoA
37.	Dr. S. Selvanayaki	Head - IQAC

01. Welcome Address

Dr. Ezhilarasi M, Chairman – Academic Council, welcomed the members to the 27th meeting of the Academic Council and briefed the proceedings.

2) Action taken report on 26th Academic council meeting

Chairman Academic Council present the action taken report on 26th Academic council meeting.

The action taken report is given below.

Acad. Council Meeting & date	Suggestions	Action taken
26/ 11.01.2024	Approval for new programme in the academic year 2024-25 MBA- Logistics and Supply Chain Management The curriculum and syllabus were presented in the BoS meeting held on 06.01.2024, which has been approved by the BoS members. The same has been presented to the ACM members for approval. M.Tech- Technical Textile - The curriculum and syllabus were presented in the BoS meeting held on 22.11.2023, which has been approved by the BoS members. The same has been presented to the ACM members for approval.	MBA- Logistics and Supply Chain Management -Got Approval from Anna university Programme started from 2024-25 Academic year M.Tech- Technical Textile- Got Approval from Anna university – Programme started from 2024-25 Academic year
26/ 11.01.2024	Approval for Regulation Draft Version	New regulation R24 has been framed after taking all inputs given from the ACM members
26/ 11.01.2024	<u>Approval for Additional-Credit Courses for ME / M.Tech Programmes</u> <u>Course Name</u> Technical Seminar and Writing (2 credits) Career Progression and Leadership (1 credit)	Considered for implementation in R24 regulation
26/ 11.01.2024	Incorporate bridge course for the Lateral entry students admitted from other streams.	Input given to BoS chairpersons
26/ 11.01.2024	Dr.Tharves Mohideen suggested to upload the Academic council minutes and BoS minutes in KCT website	Minutes uploaded in the KCT website

Council Members were satisfied with the actions taken on the suggestions given by the members during the 26th academic council meeting.

03. Approval for Regulation 2024

Chairman Academic Council invited Dr. N. Ramesh Babu-Dean -Curriculum Design & Development and Electrical Sciences to present and seek the approval for Academic Regulations (B.E/B.Tech/M.E/M.Tech/MBA/MCA) as per Anna University guidelines from the Academic year 2024-25 onwards (For the student admitted in the first year during the AY 2024-25)

The following were presented regarding regulation 2024 :

Regulation 2024, which is designed to align with national and international academic standards, incorporating a flexible credit framework and new pedagogical approaches.

Credit Framework and Distribution

The council discussed and approved the credit distribution as per AICTE guidelines:

- ✓ B.E / B.Tech: 160-165 credits

- ✓ M.E / M.Tech / MCA: 80-85 credits
- ✓ MBA: 90-105 credits

These credit distributions were unanimously agreed upon, ensuring they meet regulatory requirements while offering flexibility for students.

Key Features of the Curriculum

The curriculum was discussed in detail, with the following key features highlighted:

- ✓ **Stackable Micro-credentials:** These allow students to earn micro-credentials that can be stacked towards their degree, providing flexibility and recognition of short-term achievements.
- ✓ **Integrated Sustainability:** Sustainability principles are integrated into the curriculum across disciplines, fostering awareness and responsibility among students.
- ✓ **Language Options:** The curriculum includes options for English, Indian, and foreign languages, catering to diverse linguistic needs and preferences.
- ✓ **Innovation-Practicum:** Hands-on, project-based creativity courses were introduced to encourage practical learning and innovation.
- ✓ **Flexible Credit Learning Framework:** The framework was discussed, which includes the General Track, Skill Track, and Emerging Tech Stack, providing students with tailored learning paths.
- ✓ **Arts and Design Component:** The inclusion of arts and design in the curriculum aims to foster creativity and holistic education.
- ✓ **Courses on Design Thinking and AI:** New courses on Design Thinking and Basics of AI were introduced to equip students with essential modern skills.
- ✓ **Holistic Life Skills Courses:** These courses focus on the overall well-being and personal development of students.
- ✓ **Mandatory Internships:** Internships were made a mandatory part of the curriculum, ensuring practical exposure and industry readiness.
- ✓ **Exploratory Pathways:** Students can choose exploratory pathways to discover and develop their interests - Research and Innovation, Entrepreneurship and Family Business, Skill and Career Development were introduced to cater to students' career aspirations.
- ✓ **Curriculum Enrichment:** Domain-based courses in Physics, Chemistry, Biology, and Engineering Science were introduced to cater the program's specific requirements
- ✓ **Credit Transfer and Mapping:** Credit transfer and mapping will be available after suitable application and approvals, providing flexibility for students.
- ✓ **Specialization Cohort Tracks:** Specialization cohort tracks in electives were introduced, allowing focused learning in specific areas.

The council discussed the above curriculum features in detail and were agreed upon

Pedagogical Approaches

The meeting deliberated on the following pedagogical approaches:

- ✓ **Active Learning:** Emphasis on active learning strategies such as Problem-Based Learning (PBL) and Project-Based Learning (PrBL), with assessments aligned accordingly.
- ✓ **Professors of Practice/Adjunct Professors:** Inclusion of industry experts as Professors of Practice or Adjunct Professors to bring real-world experience into the classroom.
- ✓ **Block and Blended Teaching:** Introduction of block and blended teaching methods to enhance learning flexibility and effectiveness.

The council appreciated the initiative, and the approaches were agreed upon

Assessments and Evaluation

The council discussed the assessment and evaluation strategies:

- ✓ Tech-Enabled Assessments: Adoption of technology-enabled assessments and evaluations for greater efficiency and accuracy.
- ✓ Flexible Assessment Patterns: Flexibility in internal (summative) test question paper patterns and the introduction of different assessment types for various course modalities (physical/online).
- ✓ Course Withdrawal Options: Students will be allowed to withdraw from courses under certain conditions.
- ✓ Continuous Internal Assessment: Laboratory courses (and the lab components of embedded courses) will have continuous internal assessments only.
- ✓ Comprehensive Tests: Comprehensive tests (online MCQs) will be included as a continuous assessment component for theory courses.

The council approved the same.

Attendance Requirements

The following attendance policies were approved:

- ✓ Minimum 75% Attendance: Students must have a minimum of 75% course-wise attendance to be eligible to appear for the Continuous Assessment Test 1 (CAT 1) and end-semester exams.
- ✓ Attendance Relaxation: Up to 10% relaxation in attendance may be granted for genuine reasons based on the Department Consultative Committee (DCC) recommendation, with retests conducted as necessary.
- ✓ Cumulative Attendance for Embedded Courses: For embedded courses, cumulative attendance for both theory and lab components will be considered.
- ✓ CGPA-Based Relaxation for deserving students: Attendance relaxation for students with a CGPA > 8.5, with no standing arrears. This will be sanctioned for special cases after due processing of student achievements by a committee. [75% of attendance with 10% relaxation for medical background is recommended for 19/12/24. Annex-1 attached]
- ✓ Consequences of Low Attendance: Students with overall attendance below 75% and who score less than 75% in 50% or more of the registered credits will be subject to academic department review.

The council discussed them in brief and suggested following the norms by following appropriate committee recommendations.

Other Deliberations

- ✓ Benchmarking: The new regulations will be benchmarked against international and national academic institutions to ensure competitiveness and quality.
- ✓ Course Code Scheme Changes: The meeting concluded with discussions on changes to the course code scheme, aimed at streamlining and aligning the courses with new regulations.

The members appreciated the Academic Regulations 2024 and Curriculum & Syllabus for Sem 1 and Sem 2 for all UG and PG programme.

After detailed deliberations, the committee approved the above proposal of introduction of R-2024 and Curriculum & Syllabus for all UG and PG programme.

04. Approval for BoS minutes

Chairman Academic Council invited the Chairman/Chairperson of Faculty of Civil Engineering, Faculty of Mechanical Engineering, Faculty of Computer Science and Engineering and Information Technology, Faculty

of Electrical Engineering, Faculty of Electronics and Communication Engineering, Faculty of Technology, Faculty of Science and Humanities and Faculty of Management Sciences present the BOS minutes and revised CO-PO-PSO mapping for R18A syllabus and seek the approval by ACM members.

The chairman/Chairperson of the various boards presented the BoS minutes to the ACM members.

English										
For UG										
Sem	Course code/Course Name									
Sem I/Sem II	24HST103 - Effective Communication (For Beginners)/ 24HST104 – Professional Communication (For Advanced learners)									
Sem II/ Sem III	24HSP005 -Mastering Conversations									
Mandatory Tamil Papers										
Semester I	24HST101 - Heritage of Tamils									
Semester II	24HST102 - Tamils and Technology									
For MCA										
Semester I	24HST506 - Professional Communication Strategies									
Mathematics										
B.E., / B.Tech – Bridge course										
Sl.No.	Cluster	Course code & Course Title	Course mode	CT	L	T	P	J	C	Pre requisite
1.	Common to all	24MAB110 Mathematics Essentials for Engineering	Theory	BS	1	1	0	0	0	NA
B.E., / B.Tech – Semester I										
Sl.No.	Cluster	Course code & Course Title	Course mode	CT	L	T	P	J	C	Pre requisite
1.	AE, AUE, CE, ME, MCE	24MAI111 Linear Algebra and Calculus	Embedded	BS	3	0	2	0	4	NA
2.	BT, TXT, FT	24MAI112 Computational Linear Algebra and Calculus	Embedded	BS	3	0	2	0	4	NA
3.	ECE, EEE, E&I	24MAI113 Linear Algebra and Multivariate Calculus	Embedded	BS	3	0	2	0	4	NA
4.	CSE, IT, AI&DS	24MAI114 Applied Linear Algebra and Calculus	Embedded	BS	3	0	2	0	4	NA
B.E., / B.Tech – Semester II										
Sl.No.	Cluster	Course code & Course Title	Course mode	CT	L	T	P	J	C	Pre requisite
1.	AE, AUE, CE, ME, MCE	24MAI121 Advanced Calculus and Laplace Transforms	Embedded	BS	3	0	2	0	4	NA
2.	BT, TXT, FT	24MAI122 Advanced Computational Calculus	Embedded	BS	3	0	2	0	4	NA
3.	ECE, EEE, E&I	24MAI123 Computational Differential Equations	Embedded	BS	3	0	2	0	4	NA
4.	CSE, IT, AI&DS	24MAI124-Multivariate Calculus and Forecasting	Embedded	BS	3	0	2	0	4	NA
M.E., / M.Tech – Semester I										

Sl.No.	Cluster	Course code & Course Title	Course mode	CT	L	T	P	J	C	Pre requisite
1.	M.E., Construction Management M.E., Environmental Engineering M.Tech Biotechnology	24MAI501 Statistical Methods for Engineers	Embedded	BS	3	0	2	0	4	NA
2.	M.E., Structural Engineering	24MAI502 Applied Numerical Methods and Statistics for Structural Engineering	Embedded	BS	3	0	2	0	4	NA
3.	M.E., Embedded Systems	24MAI503 Applied Mathematics for Embedded Systems	Embedded	BS	3	0	2	0	4	NA
4.	MCA	24MAI504 Probability and Statistics for Data Analysis	Embedded	BS	3	0	2	0	4	NA
5.	M.Tech Data Science	24MAI505 Mathematics for Data Science	Theory	BS	3	0	2	0	4	NA
PhD Coursework Courses										
Sl.No.	Course code	Course Title	Course mode	CT	L	T	P	J	C	Pre requisite
1.	24MAT001	Fuzzy Logic	Theory	BS	4	0	0	0	4	NA
2.	24MAT002	Optimization methods	Theory	BS	4	0	0	0	4	NA
Chemistry										
Course Code	Course Name		Department							
24CYI101	Electronic Materials Chemistry		ECE, EEE E&I and Mechatronics							
24CYI102	Material Chemistry for Sustainable Infrastructure		Civil Engineering							
24CYI103	Foundations of Chemistry for Biotechnology		Biotechnology							
24CYI104	Material Chemistry		Mechanical, Automobile and Aeronautical							
24CYI105	Textile and Apparel Chemistry		Textile and Fashion Technology							
24CYI106	Functional Textile Materials and Its Applications		Fashion Technology							
<ul style="list-style-type: none"> • Remarks: Dr.M.Matheswaran: appreciated the contents of the Chemistry courses presented 										
Physics										
S No	Subject code	Course Title	Course mode	L	T	P	J	C		
1	24PHI101	Applied Physics for Computing	Embedded	3	0	2	0	4		
2	24PHI102	Applied Physics for Circuit Engineering	Embedded	3	0	2	0	4		
3	24PHI103	Applied Physics for Textile Technology	Embedded	3	0	2	0	4		
4	24PHI104	Applied Physics for Civil Engineering	Embedded	3	0	2	0	4		
5	24PHI105	Foundational Physics for Biotechnology	Embedded	3	0	2	0	4		
6	24PHI106	Engineering Physics	Embedded	3	0	2	0	4		

7	24PHT107	Materials Science for Aeronautical Engineering	Theory	3	0	0	0	3	
Institution level courses									
S No	Subject code	Course Title	Course mode	L	T	P	J	C	
1	24INP101	Design Thinking	Practical	0	0	2	0	1	
2	24INP102	Innovation Practicum - 1	Practical	0	0	2	0	1	
3	24INP103	Innovation Practicum - 2	Practical	0	0	2	0	1	
4	24HSP111	Holistic wellness - 1	Practical	0	0	2	0	1	
5	24HSP112	Holistic wellness - 2	Practical	0	0	2	0	1	
6	24INO---	FCLF – General stack - 1	Practical	0	0	2	0	1	
7	24INO---	FCLF – General stack - 2	Practical	0	0	2	0	1	

Civil Engineering

B.E. Civil Engineering Semester I

S.No	Course code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24HST101	Heritage of Tamils	Theory	HS	1	0	0	0	1
2	24HSP111	Holistic Wellness – 1	Practical	HS	0	0	2	0	1
3	24MAI111	Linear Algebra and Calculus	Embedded	BS	3	0	2	0	4
4	24CYI102	Material Chemistry for Sustainable Infrastructure	Embedded	BS	3	0	2	0	4
5	24ADP001	Basics of AI	Practical	BS	0	0	2	0	1
6	24EET104	Foundations of Electrical and Electronics Engineering	Theory	ES	3	0	0	0	3
7	24INP102	Innovation Practicum - 1	Practical	ES	0	0	2	0	1
8	24MEI101	Engineering Graphics	Embedded	ES	2	0	2	0	3
9	24INO1--	FCLF - General Stack - 1	Practical	OE	0	0	2	0	1
10	24INP101	Design Thinking	Practical	ES	0	0	2	0	1
Total Credits									20
Total Contact Hours/week									28
Semester -II									
S.No	Course code	Course Title	Course Mode	Course Type	L	T	P	J	C

1	24HST102	Tamils and technology	Theory	HS	1	0	0	0	1
2	24HST103 / 24HST104	Effective Communication / Professional Communication	Theory	HS	2	0	0	0	2
3	24PHI104	Applied Physics for Civil Engineering	Embedded	BS	3	0	2	0	4
4	24MAI121	Advanced Calculus and Laplace Transform	Embedded	BS	3	0	2	0	4
5	24MET104	Engineering Mechanics	Theory	ES	3	0	0	0	3
6	24CSI101	Logical thinking and Problem Solving	Theory	ES	3	0	2	0	4
7	24INP103	Innovation Practicum - 2	Practical	ES	0	0	2	0	1
8	24CEI101	Building Materials and Construction Practices	Embedded	ES	3	0	2	0	4
9	24HSP112	Holistic Wellness - 2	Practical	HS	0	0	2	0	1
10	24INO1--	FCLF - General Stack - 2	Practical	OE	0	0	2	0	1
Total Credits									25
Total Contact Hours/week									32

M.E. Structural Engineering Semester I									
S.No	Course code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24MAI502	Applied Numerical Methods and Statistics for Structural Engineering	Embedded	BS	3	0	2	0	4
2	24INT501	Research Methodology & IPR	Theory	ES	3	0	0	0	3
3	24STP501	Structural Design Studio	Laboratory	ES	0	0	4	0	2
4	24STT502	Theory of Elasticity and Plasticity	Theory	PC	3	0	0	0	3
5	24STT503	Design of Advanced Concrete Structures	Theory	PC	3	1	0	0	4
6	24STI504	Advanced Concrete Technology	Embedded	ES	3	0	2	0	4
Total Credits									20
Total Contact Hours/week									24

M.E. Structural Engineering Semester-II									
S.No	Course code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24STI505	Structural Dynamics & Earthquake Engineering	Embedded	PC	3	0	2	0	4
2	24STT506	Advanced Design of Steel Structures	Theory	PC	3	1	0	0	4
3	24STI507	Finite Element Analysis	Embedded	ES	3	0	2	0	4
4	24STEXXX	Professional Elective I	Theory	PE	2	0	0	2	3
5	24STEXXX	Professional Elective II	Theory	PE	3	0	0	0	3
6	24STEXXX	Professional Elective III	Theory	PE	3	0	0	0	3
Total Credits									21
Total Contact Hours/week									24

M.E. Environmental Engineering Semester-I									
S.No	Course code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24MAI501	Statistical methods for Engineers	Embedded	BS	3	0	2	0	4
2	24INT001	Research Methodology & IPR	Theory	ES	3	0	0	0	3
3	24ENI501	Environmental Chemistry & Microbiology	Embedded	ES	3	0	2	0	4
4	24ENI502	Environmental Quality Modelling	Embedded	ES	2	0	2	0	3
5	24ENT503	Design of water and wastewater treatment systems	Theory	PC	3	0	0	0	3
6	24ENT504	Solid and Hazardous Waste Management	Theory	PC	3	0	0	0	3
7	24ENP505	Environment Processing Laboratory	Laboratory	PC	0	0	2	0	1
Total Credits									21

Total Contact Hours/week										25
M.E. Environmental Engineering Semester II										
S.No	Course code	Course Title	Course Mode	Course Type	L	T	P	J	C	
1	24ENT506	Environmental Impact Assessment & LCA	Theory	PC	3	0	0	0	3	
2	24ENT507	Nanotechnology in Environmental Engineering	Theory	PC	3	0	0	0	3	
3	24ENI508	Air & Noise pollution Control	Embedded	PC	3	0	2	0	4	
4	24ENI509	Environmental Planning & Management	Embedded	PC	1	0	4	0	3	
5	24ENE0YY	Professional Elective – I	Theory	PE	3	0	0	0	3	
6	24ENE0YY	Professional Elective – II	Theory	PE	3	0	0	0	3	
7	24ENJ501	Technical Seminar`	Project	PRJ	0	0	0	2	1	
Total Credits										20
Total Contact Hours/week										24

M.E. -Construction Management Semester -I										
S. No	Course code	Course Title	Course Mode	Couse Type	L	T	P	J	C	
1	24MAI501	Statistical Methods for Engineers	Embedded	BS	3	0	2	0	4	
2	24INT501	Research Methodology and IPR	Theory	ES	3	0	0	0	3	
3	24CNI501	Quantitative Techniques for Management	Embedded	PC	3	0	2	0	4	
4	24CNT502	Construction Equipment and Automation	Theory	PC	3	0	0	0	3	
5	24CNT503	Construction Planning, Scheduling and Control	Theory	PC	3	0	0	0	3	
6	24CNI504	Construction Economics and Finance	Embedded	PC	2	0	0	2	3	
7	24CNP505	BIM Studio -1	Laboratory	ES	0	0	2	0	1	

Total Credits	21
Total Contact Hours/week	25

M.E. -Construction Management Semester -II

S. No	Course code	Course Title	Course Mode	Couse Type	L	T	P	J	C
1	24CNI506	Project Formulation and Appraisal	Embedded	PC	2	0	0	2	3
2	24CNT507	Quality Health and Safety Management	Theory	PC	3	0	0	0	3
3	24CNI508	Contract Laws and Regulations	Embedded	PC	2	0	0	2	3
4	24CNI5XX	Professional Elective -I	Embedded	PE	2	0	0	2	3
5	24CNT5XX	Professional Elective -II	Theory	PE	3	0	0	0	3
6	24CNT5XX	Professional Elective -III	Theory	PE	3	0	0	0	3
7	24CNP509	BIM Studio -2	Laboratory	ES	0	0	4	0	2
Total Credits									20
Total Contact Hours/week									25

Automobile Engineering Semester I

S. No	Course code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24HST101	Heritage of Tamils	Theory	HS	1	0	0	0	1
2	24MAI111	Linear Algebra and Calculus	Embedded	BS	3	0	2	0	4
3	24PHI106	Engineering Physics	Embedded	BS	3	0	2	0	4
4	24MEI101	Engineering Graphics	Embedded	ES	2	0	2	0	3
5	24MEI102	Manufacturing Technology	Embedded	ES	3	0	2	0	4
6	24ADP001	Basics of AI	Practical	ES	0	0	2	0	1
7	24INP102	Innovation Practicum - I	Practical	ES	0	0	2	0	1
8	24HSP111	Holistic Wellness - 1	Practical	HS	0	0	2	0	1
9	24INO1--	FCLF General stack – 1	Practical	OE	0	0	2	0	1

10	24INP101	Design Thinking	Practical	ES	0	0	2	0	1
Total Credits									21
Total Contact Hours/week									30

Automobile Engineering Semester 2

S.No	Course code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24HST102	Tamils and Technology	Theory	HS	1	0	0	0	1
2	24HST103 / 24HST104	Effective Communication /Professional Communication	Theory	HS	2	0	0	0	2
3	24MAI121	Advanced Calculus and Laplace Transforms	Embedded	BS	3	0	2	0	4
4	24CYI104	Material Chemistry	Embedded	BS	3	0	2	0	4
5	24MET104	Engineering Mechanics	Theory	ES	3	0	0	0	3
6	24INP102	Innovation Practicum - 2	Practical	ES	0	0	2	0	1
7	24CSI101	Logical Thinking and Problem Solving	Embedded	ES	3	0	2	0	4
8	24HSP112	Holistic Wellness - 2	Practical	HS	0	0	2	0	1
9	24INO1--	FCLF General stack - 2	Practical	OE	0	0	2	0	1
Total Credits									21
Total Contact Hours/week									27

MINOR SPECILISATION – INTELLIGENT VEHICLE TECHNOLOGY-Regulation R18A

S.No	Course code	Course Title	Course Mode	L	T	P	J	C
1	U18AUR0004	Automotive Systems Overview	Theory	3	0	0	0	3
2	U18AUR0005	Sensor Technology in Modern Vehicles	Theory	3	0	0	0	3
3	U18AUR0006	Vehicle Crashworthiness and occupants Safety	Theory	3	0	0	0	3
4	U18AUR0007	Vehicle Communication Networks and Protocols	Theory	2	0	2	0	3
5	U18AUR0008	Technologies For Autonomous Vehicles	Theory	3	0	0	0	3
6	U18AUR0009	Machine Learning for Vehicular Applications	Theory	3	0	0	0	3

7	U18AUR0210	RTOS And AUTOSAR for Embedded Automotive Applications	Embedded	2	0	2	0	3
8	U18AUR0211	Modeling and control of Automotive Systems	Embedded	2	0	2	0	3
9	U18AUR0212	Design of Automotive Electronic Control Unit (ECU)	Embedded	2	0	2	0	3

Aeronautical Engineering

BE- Aeronautical Engineering Semester I

S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
1	24HST101	Heritage of Tamils	Theory	HS	1	0	0	0	1
2	24MAI111	Linear Algebra and Calculus	Theory	BS	3	0	2	0	4
3	24PHI106	Engineering Physics	Embedded	BS	3	0	2	0	4
4	24MEI101	Engineering Graphics	Embedded	ES	2	0	2	0	3
5	24INP101	Design Thinking	Practical	ES	0	0	2	0	1
6	24EET105	Basics of Electrical and Electronics Engineering	Theory	ES	3	0	0	0	3
7	24ADP001	Basics of AI	Practical	ES	0	0	2	0	1
8	24INP102	Innovation Practicum -1	Practical	ES	0	0	2	0	1
9	24HSP111	Holistic Wellness -1	Practical	HS	0	0	2	0	1
10	24INO1--	FCLF – General Stack - 1	Practical	OE	1	0	2	0	1
Hours					13	0	16	0	
Total Credits									20
Total Contact Hours/week									29

BE- Aeronautical Engineering Semester II

S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
1	24HST102	Tamils and Technology	Theory	HS	1	0	0	0	1
2	24HST103 / 24HST104	Effective Communication / Professional Communication	Theory	HS	2	0	0	0	2
3	24MAI121	Advanced Calculus and Laplace Transforms	Embedded	BS	3	0	2	0	4
4	24CYI104	Material Chemistry	Embedded	BS	3	0	2	0	4

5	24MET104	Engineering Mechanics	Theory	ES	3	0	0	0	3
6	24PHT107	Materials Science for Aeronautical Engineering	Theory	ES	3	0	0	0	3
7	24CSII01	Logical Thinking and Problem Solving	Embedded	BS	3	0	2	0	4
8	24INP102	Innovation Practicum - 2	Practical	ES	0	0	2	0	1
9	24HSP112	Holistic Wellness - 2	Practical	HS	0	0	2	0	1
10	24INO1--	FCLF – General Stack -2	Practical	OE	0	0	2	0	1
Total Credits									24
Total Contact Hours/week									30

M.Tech Defence Technology Semester 1							
Compulsory Courses			Periods/Week				Total Credits
S.No	Course code	Course Title	L	T	P	J	C
1	24DTT501	Systems and warfare Platforms	4	0	0	0	4
2	24DTT502	Warfare Simulations & Strategies	4	0	0	0	4
3	24DTT503	Advanced Engineering Mathematics	4	0	0	0	4
4	24DTP501	Systems and Platforms Laboratory	0	0	2	0	2
5	24DTP502	Warfare Simulations & Strategies Laboratory	0	0	2	0	2
Elective Courses							
6	24DTExxx	Elective 1	3	0	0	0	3
7	24DTExxx	Elective 2	3	0	0	0	3
8	24DTP503	Seminar	0	0	1	0	1
Total Credits							23
Elective Courses							
Elective 1			Periods/Week				Total Credits
S.No	Course code	Course Title	L	T	P	J	C
1	24DTE101	Rockets & Missiles Fundamentals	3	0	0	0	3
2	24DTE102	Advanced Thermal Engineering	3	0	0	0	3
3	24DTE103	Numerical Methods for Science & Engineering	3	0	0	0	3
4	24DTE104	Communication Technology	3	0	0	0	3
5	24DTE105	Advanced Mechanical Engineering	3	0	0	0	3
Elective 2							

1	24DTE106	Autonomy and Navigation Technology	3	0	0	0	3
2	24DTE107	Optimization Theory & Applications	3	0	0	0	3
3	24DTE108	Military Electronics System Engineering	3	0	0	0	3
4	24DTE109	System Engineering & Analysis	3	0	0	0	3

Semester II Aerospace Technology								
Compulsory Courses						Periods/Week		Total Credits
S.No	Course code	Course Title	L	T	P	J	C	
1	24DTT504	Aerospace System Configuration, Design & Simulation	4	0	0	0	4	
2	24DTT505	Guidance & Control	4	0	0	0	4	
3	24DTT506	Aerospace Propulsion	4	0	0	0	4	
4	24DTP504	Aerospace System Configuration, Design & Simulation Laboratory	0	0	2	0	2	
5	24DTP505	Guidance & Control Laboratory	0	0	2	0	2	
Elective Courses								
6	24DTExxx	Elective 1	3	0	0	0	3	
7	24DTExxx	Elective 2	3	0	0	0	3	
8	24DTP506	Seminar	0	0	1	0	1	
Total Credits							23	

Communication Systems & Sensors								
Compulsory Courses						Periods/Week		Total Credits
S.No	Course code	Course Title	L	T	P	J	C	
1	24DTT507	Radar Technologies	4	0	0	0	4	
2	24DTT508	Digital & Satellite Communication and Navigation from Space	4	0	0	0	4	
3	24DTT509	Tactical Battlefield Communication & Electronic Warfare	4	0	0	0	4	
4	24DTP507	Radar Technologies Laboratory	0	0	2	0	2	
5	24DTP508	Digital & Satellite Communication and Navigation from Space Laboratory	0	0	2	0	2	

Elective Courses							
6	24DTExxxx	Elective 1	3	0	0	0	3
7	24DTExxxx	Elective 2	3	0	0	0	3
8	24DTP506	Seminar	0	0	1	0	1
Total Credits							23

Elective Courses							
Elective 1 (for all Specializations)			Periods/Week				Total Credits
S.No	Course code	Course Title	L	T	P	J	C
1	24DTE110	Robotics (MSS, MCC)	3	0	0	0	3
2	24DTE111	EMI/EMC in Military Systems	3	0	0	0	3
3	24DTE112	Defence Electro-Optics and Imaging Systems	3	0	0	0	3
4	24DTE113	Structural Dynamics and Aero-elasticity	3	0	0	0	3
5	24DTE114	Safety, Health & Hazard Management	3	0	0	0	3
6	24DTE115	Fundamental of telemetry, telecommand & transponder	3	0	0	0	3
7	24DTE116	Jamming and ECM/ECCM Technologies	3	0	0	0	3
8	24DTE117	Software defined Radios	3	0	0	0	3
9	24DTE118	Advanced Lightweight and Composite Structures	3	0	0	0	3
10	24DTE119	Test methodologies for DEW systems (Lasers & Microwave)	3	0	0	0	3
11	24DTE120	Advanced Analytical Techniques / Lab Testing	3	0	0	0	3
12	24DTE121	Sonar System Engineering	3	0	0	0	3

Elective Courses							
Elective 2 (for all Specializations)			Periods/Week				Total Credits
S.No	Course code	Course Title	L	T	P	J	C
1	24DTE122	Unmanned Aerial Vehicle Design	3	0	0	0	3
2	24DTE123	Naval Ocean Analysis and Prediction	3	0	0	0	3
3	24DTE124	Modeling & Simulation of Laser Matter Interaction	3	0	0	0	3
4	24DTE125	Computational Aerodynamics	3	0	0	0	3

5	24DTE126	Launch Vehicle Design & Analysis	3	0	0	0	3
6	24DTE127	Acquisition, Tracking & Pointing Technology	3	0	0	0	3
7	24DTE128	Data Acquisition, Tracking & Post Flight Analysis	3	0	0	0	3
8	24DTE129	Air Independent Propulsion & Batteries	3	0	0	0	3
9	24DTE130	Advanced Digital Modulation Technologies & Standards	3	0	0	0	3
10	24DTE131	Trajectories Modelling & Simulation	3	0	0	0	3
11	24DTE132	Sensor Technology	3	0	0	0	3

Semester-III							
S.No	Course code	Course Title	L	T	P	J	Credits
1	24DTP601	Project Dissertation – Phase 1	0	0	0	20	10
2	24DTP602	Seminar/ Industrial Training	0	0	0	8	4
Total Credits							14

Semester-IV							
S.No	Course code	Course Title	L	T	P	J	Credits
1	24DTP603	Project Dissertation – Phase 2	0	0	0	40	20
Total Credits							20

Mechatronics Engineering

BE- Mechatronics Engineering Semester I									
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
1	24HST101	Heritage of Tamils	Theory	HS	1	0	0	0	1
2	24MAI111	Linear Algebra and Calculus	Embedded	BS	3	0	2	0	4
3	24CYI101	Electronic Materials chemistry	Embedded	BS	3	0	2	0	4
4	24MET104	Engineering Mechanics	Theory	ES	3	0	0	0	3
5	24MRT100	Basics of Mechatronics system	Theory	BS	1	0	0	0	1
6	24MEI101	Engineering Graphics	Embedded	ES	2	0	2	0	3
7	24INP102	Innovation Practicum - 1	Practical	ES	0	0	2	0	1
8	24ADP001	Basics of AI	Practical	ES	0	0	2	0	1

9	24HSP111	Holistic Wellness - 1	Practical	HS	0	0	2	0	1
10	24INO1--	FCLF – General Stack - 1	Practical	OE	0	0	2	0	1
Total Credits									20
Total contact hours									27

BE- Mechatronics Engineering Semester II									
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
1	24MAI121	Advanced calculus and Laplace transforms	Embedded	BS	3	0	2	0	4
2	24HST103 / 24HST104	Effective Communication / Professional Communication	Theory	HS	2	0	0	0	2
3	24CSI101	Logical Thinking and Problem Solving	Embedded	BS	3	0	2	0	4
4	24PHI102	Applied physics for circuit engineering	Embedded	BS	3	0	2	0	4
5	24MRT101	Electronic Devices and Circuits	Theory	PC	3	0	0	0	3
7	24INP103	Innovation Practicum - 2	Practical	ES	0	0	2	0	1
8	24HST102	Tamils and Technology	Theory	HS	1	0	0	0	1
9	24HSP112	Holistic Wellness - 2	Practical	HS	0	0	2	0	1
10	24INP101	Design Thinking	Practical	ES	0	0	2	0	1
11	24INO1--	FCLF - General Stack - 2	Practical	OE	0	0	2	0	1
Total Credits									22
Total Contact Hours/week									29

Mechanical Engineering

BE- Mechanical Engineering Semester I									
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
1	24HST101	Heritage of Tamil	Theory	HS	1	0	0	0	1
2	24MAI111	Linear Algebra and Calculus	Embedded	BS	3	0	2	0	4
3	24PHI106	Engineering Physics	Embedded	BS	3	0	2	0	4
4	24ADP001	Basics of AI	Practical	ES	0	0	2	0	1

5	24MEI101	Engineering Graphics	Embedded	ES	2	0	2	0	3
6	24MEI102	Manufacturing Technology	Embedded	ES	3	0	2	0	4
7	24INP102	Innovation Practicum - 1	Practical	ES	0	0	2	0	1
8	24HSP111	Holistic wellness - 1	Practical	HS	0	0	2	0	1
9	24INO1--	FCLF General stack - 1	Practical	OE	0	0	2	0	1
10	24INP101	Design Thinking	Practical	ES	0	0	2	0	1
Total Credits									21
Total Contact Hours/week									30

BE- Mechanical Engineering Semester II									
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
1	24HST102	Tamils and Technology	Theory	HS	1	0	0	0	1
2	24HST103 / 24HST104	Effective communication / Professional Communication	Theory	HS	2	0	0	0	2
3	24MAI121	Advanced Calculus and Laplace Transform	Embedded	BS	3	0	2	0	4
4	24CYI104	Material Chemistry	Embedded	BS	3	0	2	0	4
5	24MET104	Engineering Mechanics	Theory	ES	3	0	0	0	3
6	24CSI101	Logical Thinking and Problem solving	Embedded	BS	3	0	2	0	4
7	24INP103	Innovation Practicum – 2	Practical	ES	0	0	2	0	1
8	24HSP112	Holistic wellness – 2	Practical	HS	0	0	2	0	1
9	24INO1--	FCLF General stack - 2	Practical	OE	0	0	2	0	1
Total Credits									20
Total Contact Hours/week									26

ME-Industrial Engineering Semester I									
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
1	24ILI501	Work System Design and Ergonomics	Embedded	--	3	0	2	0	4
2	24ILT502	System Modeling and Simulation	Theory	--	3	0	0	0	3
3	24ILI503	Industrial System Automation	Embedded	--	3	0	2	0	4

4	24ILT504	Production Planning and Control	Theory	--	3	0	0	0	3
5	24ILT505	Lean Manufacturing and Six Sigma	Theory	--	3	0	0	0	3
6	24INT502	Research Methodology and Statistics	Theory	--	3	0	0	0	3
Total Credits									20

ME-Industrial Engineering Semester II									
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
1	24ILI506	Operations Research	Embedded	--	3	0	2	0	4
2	24ILT507	Quality Engineering	Theory	--	3	0	0	0	3
3	24ILT508	Supply Chain Management	Theory	--	3	0	0	0	3
4	24ILI509	Introduction to Data Analytics	Embedded	--	2	0	2	0	3
5	---	Professional Elective - 1	Theory	--	3	0	0	0	3
6	---	Professional Elective - 2	Theory	--	3	0	0	0	3
7	24ILJ510	Technical Seminar	Theory	--	2	0	0	0	2
Total Credits									21

New Elective Courses for R2018A									
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
1.	U18MEE0036	Thermal Analysis of Electronic Warfare Systems	Professional Elective	PE	3	0	0	0	3
2.	U18MEE0037	Structural Design, Analysis and Manufacturing of Electronic Warfare Components	Professional Elective	PE	3	0	0	0	3
3.	U18MEO0011	Industry 4.0 and Supply Chain Management	Open Elective	OE	3	0	0	0	3
4.	U18MEO0012	Prompt Engineering for ChatGPT	Open Elective	OE	3	0	0	0	3
5.	U18MEO0013	Smart Manufacturing and Digital Marketing	Open Elective	OE	3	0	0	0	3

Electrical and Electronics Engineering**BE- Electrical and Electronics Engineering Semester-I**

S. No	Course code	Course Title	Course Mode	Couse Type	L	T	P	J	C
1	24HST101	Heritage of Tamils	Theory	HS	1	0	0	0	1
2	24MAI113	Linear Algebra and Multivariate Calculus	Embedded	BS	3	0	2	0	4
3	24CYI101	Electronic Materials Chemistry	Embedded	BS	3	0	2	0	4
4	24MEI103	Computer Aided Engineering Graphics	Embedded	ES	2	0	2	0	3
5	24EEI101	Electric Circuits and Networks	Embedded	ES	3	0	2	0	4
6	24INP102	Innovation Practicum-1	Practical	ES	0	0	2	0	1
7	24ADP001	Basics of AI	Practical	ES	0	0	2	0	1
8	24HSP111	Holistic Wellness – 1	Practical	HS	0	0	2	0	1
9	24INP101	Design Thinking	Practical	ES	0	0	2	0	1
10	24INO1--	FCLF General Stack - 1	Practical	OE	0	0	2	0	1
Total Credits									21
Total Contact Hours/week									29

Semester-II

S. No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
1	24HST102	Tamils and Technology	Theory	HS	1	0	0	0	1
2	24HST103 / 24HST104	Effective Communication/Professional Communication	Theory	HS	2	0	0	0	2
3	24MAI123	Computational Differential Equations	Embedded	BS	3	0	2	0	4

4	24PHI102	Applied Physics for Circuit Engineering	Embedded	BS	3	0	2	0	4
5	24CSI101	Logical Thinking and Problem Solving	Embedded	ES	3	0	2	0	4
6	24EET102	Electromagnetic Fields	Theory	ES	3	0	0	0	3
7	24EEI103	Electron Devices and Circuits	Embedded	PC	3	0	2	0	4
8	24INP103	Innovation Practicum - 2	Practical	ES	0	0	2	0	1
9	24HSP112	Holistic Wellness - 2	Practical	HS	0	0	2	0	1
10	24INO1--	FCLF General Stack - 2	Practical	OE	0	0	2	0	1
Total Credits									25
Total Contact Hours/week									32

M.E- Embedded System Technologies Semester-I									
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
1	24MAI503	Applied Mathematics for Embedded Systems	Theory	BS	3	1	0	0	4
2	24ETT501	Advanced Digital Design and Reconfigurable Computing	Theory	ES	3	1	0	0	4
3	24ETT502	Microcontroller Based System Design	Theory	PC	3	0	0	0	3
4	24ETT503	Real Time Operating Systems	Theory	PC	3	0	0	0	3
5	24ETT504	AI & ML for Embedded System	Theory	PC	3	0	0	0	3
6	24INT502	Research Methodology and Statistics	Theory	ES	3	0	0	0	3
7	24ETP501	Embedded System Lab – I	Lab	PC	0	0	2	0	1
Total Credits									21
Total Contact Hours/week									22

M.E- Embedded System Technologies Semester-II									
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
1	24ETT601	Embedded Processors	Theory	PC	3	0	0	0	3
2	24ETT602	Embedded IoT	Theory	PC	3	0	0	0	3
3	24ETT603	HDL Programming	Theory	PC	3	0	0	0	3
4	24ETEXXX	Elective – I	Theory	PE	3	0	0	0	3
5	24ETEXXX	Elective – II	Theory	PE	3	0	0	0	3
6	24ETEXXX	Elective - III	Theory	PE	3	0	0	0	3
7	24ETP502	Embedded System Lab – II	Lab	PC	0	0	2	0	1
Total Credits									19
Total Contact Hours/week									20

Electronics and Instrumentation Engineering

BE-Electronics and Instrumentation Engineering Semester-I									
S. No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
1	24HST101	Heritage of Tamil	Theory	HS	1	0	0	0	1
2	24MAI113	Linear Algebra and Multivariate Calculus	Embedded	BS	3	0	2	0	4
3	24CYI101	Electronic Materials Chemistry	Embedded	BS	3	0	2	0	4
4	24MEI103	Computer Aided Engineering Graphics	Embedded	ES	2	0	2	0	3
5	24MET104	Engineering Mechanics	Theory	ES	3	0	0	0	3
6	24INP102	Innovation Practicum - 1	Practical	ES	0	0	2	0	1
7	24ADP001	Basics of AI	Practical	ES	0	0	2	0	1
8	24HSP111	Holistic Wellness - 1	Practical	HS	0	0	2	0	1

9	24INP101	Design Thinking	Practical	ES	0	0	2	0	1
10	24INO1--	FCLF General Stack - 1	Practical	OE	0	0	2	0	1
			Hours		13	0	16	0	
Total Credits									20
Total Contact Hours/week									28

BE-Electronics and Instrumentation Engineering Semester-II									
S. No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
1	24HST102	Tamils and Technology	Theory	HS	1	0	0	0	1
2	24HST103/ 24HST104	Effective Communication/Professional Communication	Theory	HS	2	0	0	0	2
3	24MAI123	Computational Differential Equations	Embedded	BS	3	0	2	0	4
4	24PHI102	Applied Physics for Circuit Engineering	Embedded	BS	3	0	2	0	4
5	24CSI101	Logical Thinking and Problem-Solving	Embedded	BS	3	0	2	0	4
6	24BTT001	Biology for Engineers	Theory	BS	1	0	0	0	1
7	24EII101	Semiconductor Devices and Applications	Embedded	PC	3	0	2	0	4
8	24INP103	Innovative Practicum - 2	Practical	ES	0	0	2	0	1
9	24HSP112	Holistic Wellness - 2	Practical	HS	0	0	2	0	1
10	24INO1--	FCLF General Stack - 2	Practical	OE	0	0	2	0	1
			Hours		16	0	14	0	
Total Credits									23
Total Contact Hours/week									30

Electronics and Communication Engineering

BE- Electronics and Communication Engineering Semester-I									
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
1	24HST101	Heritage of Tamils	Theory	HS	1	0	0	0	1
2	24MAI113	Linear Algebra and Multivariate Calculus	Embedded	BS	3	0	2	0	4
3	24CYI101	Electronic Materials Chemistry	Embedded	BS	3	0	2	0	4
4	24CSI101	Logical Thinking and Problem Solving	Embedded	ES	3	0	2	0	4
5	24ECT101	Network Theory	Theory	ES	3	1	0	0	4
6	24INP102	Innovation Practicum - 1	Practical	ES	0	0	2	0	1
7	24ADP001	Basics of AI	Practical	ES	0	0	2	0	1
8	24HSP111	Holistic Wellness - 1	Practical	HS	0	0	2	0	1
9	24INP101	Design Thinking	Practical	HS	0	0	2	0	1
10	24INO1--	FCLF General Stack - 1	Practical	OE	0	0	2	0	1
Total Credits									22
Total Contact Hours / Week									28

BE- Electronics and Communication Engineering Semester-II									
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
1	24HST102	Tamils and Technology	Theory	HS	1	0	0	0	1
2	24HST103 /24HST104	Effective Communication / Professional Communication	Theory	HS	2	0	0	0	2
3	24MAI123	Computational Differential Equations	Embedded	BS	3	0	2	0	4
4	24PHI102	Applied Physics for Circuit Engineering	Embedded	BS	3	0	2	0	4
5	24MEI103	Computer Aided Engineering Graphics	Embedded	ES	2	0	2	0	3

6	24EET106	Electrical Machines and Drives	Theory	ES	3	0	0	0	3
7	24ECI102	Electron Devices and Circuits	Embedded	PC	3	0	2	0	4
8	24INP103	Innovation Practicum - 2	Practical	ES	0	0	2	0	1
9	24HSP112	Holistic Wellness - 2	Practical	HS	0	0	2	0	1
10	24INO1--	FCLF General Stack - 2	Practical	OE	0	0	2	0	1
Total Credits									24
Total Contact Hours / Week									31

Computer Science and Engineering and Information Technology**BE- Computer Science and Engineering,
B.Tech Information Technology, Artificial Intelligence and Data Science
Semester-I**

S.NO	Course Code	Course name	Course Mode	CT	L	T	P	J	C
1	24HST103 / 24HST104	Effective Communication / Professional Communication	Theory	HS	2	0	0	0	2
2	24MAI114	Applied Linear Algebra and Calculus	Embedded	BS	3	0	2	0	4
3	24PHI101	Applied Physics for Computing	Embedded	BS	3	0	2	0	4
4	24CSI101	Logical Thinking and Problem Solving	Embedded	ES	3	0	2	0	4
5	24CSI102	Digital Logic Circuits	Embedded	ES	2	0	2	0	3
6	24HST101	Heritage of Tamils	Theory	HS	1	0	0	0	1
7	24INP102	Innovation Practicum - 1	Practical	ES	0	0	2	0	1
8	24HSP111	Holistic Wellness - 1	Practical	HS	0	0	2	0	1
9	24INO1--	FCLF- General Stack-1	Practical	OE	0	0	2	0	1
10	24CSV001	Emerging Domains	Embedded	Value addition	1	0	2	0	0
Total credits									21
Total hours									31

BE- Computer Science and Engineering,**B.Tech Information Technology, Artificial Intelligence and Data Science
Semester-II**

S.NO	Course Code	Course name	Course Mode	CT	L	T	P	J	C
1	24HSP005	Mastering Conversations	Practical	HS	0	0	2	0	1

2	24MAI124	Multivariate Calculus and forecasting	Embedded	BS	3	0	2	0	4
3	24CSI103	Computer graphics	Embedded	BS	2	0	2	0	3
4	24CSI104	Data Structures and Algorithms	Embedded	ES	3	0	2	0	4
5	24CSI105	Embedded Computing Systems	Embedded	ES	2	0	2	0	3
6	24HST102	Tamils and Technology	Theory	HS	1	0	0	0	1
7	24INP102	Innovation Practicum - 2	Practical	ES	0	0	2	0	1
8	24HSP112	Holistic Wellness - 2	Practical	HS	0	0	2	0	1
9	24INO1--	FCLF- General Stack - 2	Practical	OE	0	0	2	0	1
10	24CSV002	Disruptive Technology	Embedded	Value addition	1	0	2	0	0
11	24INP101	Design Thinking	Practical	HS	0	0	2	0	1
Total credits									20
Total hours									32

M. Tech Data Science Semester-I

S.No	Course Code	Course Name	CT	L	T	P	J	C	
1	24DSP501	Technical Communication in Data Science	HS	0	0	4	0	2	
2	24MAI505	Mathematics for Data Science	BS	3	0	2	0	4	
3	24DSI502	Research Methodologies and Ethics	BS	3	1	0	0	4	
4	24DSI503	Data Analysis and Visualization	PC	3	0	2	0	4	
5	24DSI504	Artificial Intelligence and Machine Learning	PC	3	0	2	0	4	
6	24DSI505	Data Security and Privacy	PC	3	0	2	0	4	
7	24__O0__	Open Elective – I	OE	3	0	0	0	3	
Total Credits									25

Total Hours 27

M. Tech Data Science Semester-II								
S.No	Course Code	Course Name	CT	L	T	P	J	C
1	24DSP506	Exploratory Research and Ideation	HS	0	0	4	0	2
2	24DSI507	Bigdata Technologies	PC	3	0	2	0	4
3	24DSI508	Natural language Processing Techniques	PC	3	0	2	0	4
4	24DSE0--	Professional Elective – I	PE	2	0	2	0	3
5	24DSE0--	Professional Elective – II	PE	2	0	2	0	3
6	24DSE0--	Professional Elective – III	PE	2	0	2	0	3
7	24__O0__	Open Elective - II	OE	3	0	0	0	3
Total credits								22
Total Hours								26

M. Tech Data Science Semester-III								
S.No	Course Code	Course Name	CT	L	T	P	J	C
1	24DSE0--	Professional Elective – IV	PE	3	0	0	0	3
2	24DSJ601	Project Phase-1	PR	0	0	0	30	15
Total Credits								18
Total Hours								33

M. Tech Data Science Semester-IV								
S.No	Course Code	Course Name	CT	L	T	P	J	C
1	24DSJ602	Project Phase-2	PR	0	0	0	30	15
Total Credits								15

M. Tech Data Science Professional Electives									
S.No	Course Code	Course Name	CT	L	T	P	J	C	
1	24DSE001	Internet of Things	PE	2	0	2	0	3	
2	24DSE002	Cloud and Data Engineering	PE	2	0	2	0	3	
3	24DSE003	Generative AI	PE	2	0	2	0	3	
4	24DSE004	Computer Vision	PE	3	0	0	0	3	

OPEN ELECTIVES									
S.No	Course code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24MEO001	Sustainable Innovations and Practices	Theory	OE	3	0	0	0	3
2	24MEO002	Electric and Autonomous Mobility	Theory	OE	3	0	0	0	3
3	24IEO074	Modern Financial Strategies and Innovations	Theory	OE	3	0	0	0	3
4	24IEO075	Sports Analytics and Emerging Technologies	Theory	OE	3	0	0	0	3
5	24IEO076	Healthcare Innovation and Technology	Theory	OE	3	0	0	0	3
6	24IEO077	Corporate Strategy and Innovation	Theory	OE	3	0	0	0	3
7	24IEO078	Gamification and Gaming	Theory	OE	3	0	0	0	3
8	24IEO079	Environmental Innovations and Management	Theory	OE	3	0	0	0	3

MCA SEMESTER I									
Course Code	Course Title	Course Mode	L	T	P	J	C		
24CAI501	Data Structures and Algorithms	Embedded	3	0	2	0	4		
24CAI502	Database Management Systems	Embedded	3	0	2	0	4		

24CAI503	Object Oriented Programming	Embedded	3	0	2	0	4
24CAT504	Operating Systems	Theory	3	0	0	0	3
24CAT505	Cloud Computing	Theory	3	0	0	0	3
24MAI504	Probability and Statistics for Data Analysis	Embedded	3	0	2	0	4
24HST506	Professional Communication Strategies	Theory	2	0	0	0	2
Total Credits							24
Total Hours							28

MCA SEMESTER II							
Course Code	Course Title	Course Mode	L	T	P	J	C
24CAT506	Cyber Security	Theory	3	0	0	0	3
24CAI507	Automation and Artificial Intelligence	Embedded	2	0	2	0	3
24CAI508	Full Stack Application Development	Embedded	3	0	2	0	4
24CAI509	Data Analysis and Visualization	Embedded	3	0	2	0	4
24CAT510	Finance, Economics & Marketing	Theory	3	0	0	0	3
E-I	Professional Elective I	Embedded	2	0	2	0	3
E-II	Professional Elective II	Theory	3	0	0	0	3
Total Credits							23
Total Hours							27

MCA SEMESTER III								
Course Code	Course Title	Course Mode	L	T	P	J	C	CH
24CAT511	Software Project Management	Theory	3	0	0	0	3	3
E-III	Professional Elective III	Embedded	2	0	2	0	3	4
E-IV	Professional Elective IV	Embedded	2	0	2	0	3	4

E-V	Professional Elective V	Embedded	2	0	2	0	3	4	
OE	Open Elective	Theory	3	0	0	0	3	3	
24CAJ602	Mini Project/Internship	Project	0	0	0	4	2	4	
Total Credits								17	18 22

Total hrs 22

MCA SEMESTER IV									
Course Code	Course Title	Course Mode	L	T	P	J	C	CH	
24CAS603	Environmental Science and Sustainability	Online	1	0	0	0	1		
24CAJ604	Project Work / Internship	Project	0	0	0	30	15	30	
Total Credits								16	30

Total hrs 30

Biotechnology

B.Tech. - Biotechnology Semester-I									
S.No	Course code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24HST101	Heritage of Tamils	Theory	HS	1	0	0	0	1
2	24MAI112	Computational Linear Algebra and Calculus	Embedded	BS	3	0	2	0	4
3	24CYI103	Foundations of Chemistry for Biotechnology	Embedded	BS	3	0	2	0	4
4	24BTT101	Concepts of Biology	Theory	BS	2	0	0	0	2
5	24ADP001	Basics of AI	Practical	ES	0	0	2	0	1
6	24BTT102	Bioprocess Calculations	Theory	ES	3	1	0	0	4
7	24INP102	Innovation Practicum - 1	Practical	ES	0	0	2	0	1
8	24MEI103	Computer-Aided Engineering Graphics	Embedded	ES	2	0	2	0	3
9	24HSP111	Holistic Wellness- 1	Practical	HS	0	0	2	0	1
10	24INP101	Design Thinking	Practical	HS	0	0	2	0	1
11	24INO1--	FCLF -General Stack - 1	Practical	OE	0	0	2	0	1
Total Credits									23
No of Hours									30

B.Tech. - Biotechnology Semester-II									
S.No	Course code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24HST102	Tamils and Technology	Theory	HS	1	0	0	0	1
2	24HST103/ 24HST104	Effective Communication/ Professional Communication	Theory	HS	2	0	0	0	2
3	24MAI122	Advanced Computational Calculus	Embedded	BS	3	0	2	0	4

4	24PHI105	Foundational Physics for Biotechnology	Embedded	BS	3	0	2	0	4
5	24BTI103	Biochemistry and Cellular Energetics	Embdded	BS	3	0	2	0	4
6	24INP103	Innovation Practicum - 2	Practical	ES	0	0	2	0	1
7	24CSI101	Logical thinking and Problem Solving	Embedded	ES	2	0	2	0	3
8	24HSP112	Holistic Wellness- 2	Practical	HS	0	0	2	0	1
9	24BTT104	Cell Biology	Theory	PC	3	0	0	0	3
10	24INO1--	FCLF-General Stack - 2	Practical	OE	0	0	2	0	1
Total credits									24
Total Hours									30

M.Tech -Biotechnology Semester I

S.No	Course code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24MAI501	Statistical methods for Engineers	Embedded	BS	3	0	2	0	4
2	24INT501	Research Methodology & IPR	Theory	ES	3	0	0	0	3
3	24BTT501	Bioprocess Modeling and Simulation	Theory	ES	3	0	0	0	3
4	24BTT502	Gene Expression and Analysis	Theory	PC	3	0	0	0	3
5	24BTI503	Animal, Plant and Microbial Cell Culture	Theory	PC	3	0	0	0	3

6	24BTT504	Bioproduct Separation and Purification Engineering	Theory	PC	3	0	0	0	3
7	24BTP505	Bioproduct Development Lab I	Laboratory	PC	0	0	4	0	2
Total Credits									21
Total Hours									24

M.Tech -Biotechnology Semester II

S.No	Course code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24BTI506	Computational Biology	Embedded	PC	3	0	2	0	4
2	24BTT507	Regulatory Affairs in Bioproduct Manufacturing	Theory	PC	3	0	0	0	3
3	24BTT508	Bioproduct Development Lab II	Lab	PC	0	0	2	0	1
4	24BTI509	Industry Oriented Lab	Lab	ES	0	0	2	0	1
5	24BTE00-	Professional Elective – I	Theory	PE	3	0	0	0	3
6	24BTE00-	Professional Elective – II	Embedded	PE	3	0	0	0	3
7	24BTE00-	Professional Elective – III	Embedded	PE	3	0	0	0	3
8	24BTJ510	Technical Seminar	Project	PW	0	0	0	2	1
Total Credits									19
Total Hours									23

B.Tech Fashion Technology Semester I									
S. No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
1	24HST101	Heritage of Tamils	Theory	HS	1	0	0	0	1
2	24MAI112	Computational Linear Algebra and Calculus	Embedded	BS	3	0	2	0	4
3	24CYI105	Textile and Apparel Chemistry	Embedded	BS	3	0	2	0	4
4	24FTI102	Fashion Elements	Embedded	PC	2	0	2	0	3
5	24CSI101	Logical Thinking and Problem Solving	Embedded	ES	3	0	2	0	4
6	24ADP001	Basics of AI	Practical	ES	0	0	2	0	1
7	24INP102	Innovation Practicum - 1	Practical	ES	0	0	2	0	1
8	24HSP111	Holistic Wellness - 1	Practical	HS	0	0	2	0	1
9	24INP101	Design Thinking	Practical	HS	0	0	2	0	1
10	24INO1--	FCLF – General Stack - 1	Practical	OE	0	0	2	0	1
No. of Credits									21
No. of Contact Hours									28

B.Tech Fashion Technology Semester II									
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
1	24HST102	Tamils and Technology	Theory	HS	1	0	0	0	1
2	24HST103/ 24HST104	Effective Communication/ Professional Communication	Theory	HS	2	0	0	0	2
3	24MAI122	Advanced Computational Calculus	Embedded	BS	3	0	2	0	4
4	24PHI103	Applied Physics for Textile Technology	Embedded	BS	3	0	2	0	4

5	24MEI101	Engineering Graphics	Embedded	ES	2	0	2	0	3
6	24FTI101	Textile Material Science	Embedded	ES	2	0	2	0	3
7	24CYT106	Functional Textile Materials and Its Applications	Theory	BS	3	0	0	0	3
8	24HSP112	Holistic Wellness - 2	Practical	HS	0	0	2	0	1
9	24INP103	Innovation Practicum - 2	Practical	ES	0	0	2	0	1
10	24INO1--	FCLF – General Stack - 2	Practical	OE	0	0	2	0	1
No. of Credits									23
No. of Contact Hours									31

B.Tech Textile Technology Semester I									
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
1	24MAI112	Computational Linear Algebra and Calculus	Embedded	BS	3	0	2	0	4
2	24CYI105	Textile and Apparel Chemistry	Embedded	BS	3	0	2	0	4
3	24EET104	Foundation of Electrical and Electronics Engineering	Theory	ES	3	0	0	0	3
4	24ADP001	Basics of AI	Practical	ES	0	0	2	0	1
5	24MEI101	Engineering Graphics	Embedded	ES	1	0	4	0	3
6	24HST101	Heritage of Tamils	Theory	HS	1	0	0	0	1
7	24INP102	Innovation Practicum - 1	Practical	ES	0	0	2	0	1
8	24INO1--	FCLF General stack - 1	Practical	OE	0	0	2	0	1
9	24HSP111	Holistic wellness - 1	Practical	HS	0	0	2	0	1
10	24INP101	Design Thinking	Practical	HS	0	0	2	0	1
Total Credits									20
Total Contact Hours/week									29

B.Tech Textile Technology Semester II									
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
1	24MAI122	Advanced Computational Calculus	Embedded	BS	3	0	2	0	4
2	24PHI103	Applied Physics for Textile Technology	Embedded	BS	3	0	2	0	4
3	24HST103/ 24HST104	Effective Communication / Professional Communication	Theory	HS	2	0	0	0	2

4	24MET1--	Basics of Mechanical Engineering	Theory	ES	3	0	0	0	3
5	24CSI101	Logical Thinking and Problem Solving	Embedded	ES	2	0	2	0	3
6	24HST102	Tamils and Technology	Theory	HS	1	0	0	0	1
7	24INP103	Innovation Practicum - 2	Practical	ES	0	0	2	0	1
8	24INO1--	FCLF General stack - 2	Practical	OE	0	0	2	0	1
9	24HSP112	Holistic wellness - 2	Practical	HS	0	0	2	0	1
Total Credits									20
Total Contact Hours/week									27

M.Tech Technical Textile Semester I									
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
1	24TXT501	Absorbable and Biodegradable Polymers	Theory	PC	3	0	0	0	3
2	24TXT502	Engineering Textiles	Theory	PC	3	0	0	0	3
3	24TXT503	Fibres and yarns for technical textile	Theory	PC	3	0	0	0	3
4	24TXT504	Theory of 3-D Fibrous Assemblies	Theory	PC	3	0	0	0	3
5	24TXT505	Protective textiles	Theory	PC	3	0	0	0	3
6	24TXT506	Research Methodology	Theory	ES	3	0	0	0	3
7	24TXP507	Technical textile laboratory I	Practical	PC	0	0	2	0	2
Total Credits									20
Total Contact Hours/week									20

M.Tech Technical Textile Semester II									
S.No	Course code	Course Title	Course Mode	CT	L	T	P	J	C
1	24TXT508	Statistical Applications in Textile Engineering	Theory	BS	3	0	0	0	3
2	24TXT509	Textile Coating and Lamination	Theory	PC	3	0	0	0	3
3	24TXT510	Textile Reinforced Composites	Theory	PC	3	0	0	0	3
4	24TXT511	Medical Textiles and Biomaterials for Health care	Theory	PC	3	0	0	0	3
5	24TXE5__	Professional Elective I	Theory	PC	3	0	0	0	3
6	24TXE5__	Professional Elective II	Theory	PC	3	0	0	0	3
7	24TXP512	Technical Textile Lab - II	Practical	PC	0	0	2	0	2
Total Credits									20
Total Contact Hours/week									20

M.Tech - Masters of Technology Management SEMESTER I								
Course Code	Course Title	Course Mode	L	T	P	J	C	
P24TMT01	Technology Innovation and Management	Theory	4	0	0	0	4	
P24TMT02	Advanced Digital Production Technologies	Theory	4	0	0	0	4	
P24TMT03	Lean Manufacturing	Theory	3	0	0	0	3	
P24TMT04	Business Communication	Theory	2	0	0	0	2	
P24TMP05	Rapid Prototyping Techniques	Practical	1	1	4	0	4	
P24TMP06	Data Analysis using Excel	Practical	1	0	4	0	3	
Total Credits								20
Total Hours per week								23

M.Tech - Masters of Technology Management SEMESTER-II							
Course Code	Course Title	Course Mode	L	T	P	J	C
P24TMP07	Manufacturing Analytics	Theory	3	0	0	0	3
P24TMP08	Strategic Leadership	Theory	3	0	0	0	3
P24TMPE__	Professional Elective - 1	Theory	3	0	0	0	3
P24TMPE__	Professional Elective - 2	Practical	1	0	4	0	3
P24TMP09	Manufacturing Analytics Lab	Practical	0	0	6	0	3
P24TMP10	Future Factories Launchpad - Discover Phase	Project	0	0	0	8	4
Total Credits							19
Total Hours per week							28

MBA**General MBA**

General MBA Semester I											
S.No	Course Type	Course code	Course Title	C	L	T	P	Sw	FW	PJ	
1	Core	24BAT501	Design Thinking and Innovation Lab	1	1						
2	Core	24BAT502	Business Law	3	1	1			2		
3	Core	24BAT503	Digital Transformation	1	1	1					
4	Core	24BAT504	Leadership Lab I	1			2				
5	Core	24BAT505	Managerial Economics	3	2				2		
6	Core	24BAT506	Accounting for Management	3	1	1		2			
7	Core	24BAT507	Human Resource Management	3	2	1					
8	Core	24BAT508	Financial Management	3	2		2				
9	Core	24BAT509	Marketing Management	3	2				2		
10	Core	24BAT510	Operational Management	3	2	1					
Total Credits				24							

General MBA Semester II										
S.No	Course Type	Course code	Course Title	C	L	T	P	Sw	FW	PJ
1	Core	24BAP511	Communication Lab	2	1		2			
2	Core	24BAP512	Data Analysis I	2	1		2			
3	Core	24BAP513	Organisation Behaviour	3	2	1				
4	Core	24BAP514	Business Research Methods	3	2				2	
5	Core	24BAP515	Business Analytics	3	2		2	2		
6	Functional Core *			9						
7	Minor Elective "			3						
Total Credits				25						

General MBA Semester III										
S.No	Course Type	Course code	Course Title	C	L	T	P	Sw	FW	PJ
1	Core	24BAP616	Capstone simulation	1			2			
2	Core	24BAP617	Strategic Management	3	2			2		
3	Core	24BAP618	Sustainable Development	3	1	1		2		
4	Core	24BAJ619	Internship/Skill based India	2						
5	Core	24BAP620	Global/ National Immersion Program	2	2		2			
6	Core	24BAP621	Data Analysis II	3	2		2			
7	Project	24BAJ622	Research project	4						
8	Project	24BAJ623	Capstone project	4					2	
9	Functional optional			3						
10	Minor Elective			3						
Total Credits				24						

General MBA Semester IV										
S.No	Course Type	Course code	Course Title	C	L	T	P	Sw	FW	PJ
1	Core	24BAP624	Business Ethics	3	2			2		
2	Core	24BAI625	International Business Management	3	2				2	
3	Core	24BAP626	Leadership lab II	1			2			
4	Project	24BAJ627	Social Immersion project	3						5
5	Project	24BAJ628	Click and Brick store	2						5
6	GI	24BAO629	General Interest course	2	2					
7			Functional Optional*	6						
Total Credits										20

MBA -Project Management Semester I										
S.No	Course Type	Course code	Course Title	C	L	T	P	Sw	FW	PJ
1	Core	24PMT501	Design Thinking and Innovation Lab	1	1					
2	Core	24PMP502	Leadership Lab I	1			1			
3	Core	24PMT503	Accounting for Managers	3	1	1		2		
4	Core	24PMT504	Human Resource Management	3	2	1				
5	Core	24PMT505	Marketing Management	3	2				2	
6	Core	24PMT506	Operations Management	3	2	1		2		
7	Core	24PMT507	Managerial Economics	3	2				2	
8	Core	24PMT508	Introduction to Project Management	2	1	1				
9	Core	24PMT509	Project Resource Management	3	2	1			2	
10	Core	24PMT510	Project Quality Management	3	2	1				

11	Core	24PMT511	Project Communication Management	3	2	1					
12	Core	24PMT512	Project Stakeholder Management	2	1	1					
Total Credits				30							

MBA -Project Management Semester II											
S.No	Course Type	Course code	Course Title	C	L	T	P	Sw	FW	PJ	
1	Core	24PMT513	Communication Lab	2	1		2				
2	Core	24PMT514	Data Analysis I	2	1		2				
3	Core	24PMT515	Business Research Methods	3	2			2			
4	Core	24PMT516	Project Management Capstone Simulation	1	1			2			
5	Core	24PMT517	Procurement and Supply Chain Management	3	2	1					
6	Core	24PMT518	Project Requirement & Scope Management	3	2	1					
7	Core	24PMT519	Project Schedule Management	3	2	1					
8	Core	24PMT520	Project Planning & Control	3	2	1					
9	Elective		Optional Elective -1 (PM)	3							
10	Elective		Optional Elective – 1 (Gen)	3							
Total Credits				26							

MBA -Project Management Semester III										
S.No	Course Type	Course code	Course Title	C	L	T	P	Sw	FW	PJ
1	Core	24PMP621	Global / National Immersion Program	2			4			
2	Core	24PMJ622	Summer Internship	3			5			
3	Core	24PMT623	Strategic Project Management	3	2	1				
4	Core	24PMT624	Practical Application of Project Management Software	2	1		1			
5	Core	24PMT625	Project Cost Management	3	2	1				
6	Core	24PMT626	Agile Project Management	3	2	1				
7	Core	24PMT627	Project Change Management	3	2	1				
8	Core	24PMT628	Project Risk Management	3	2	1				
9	Elective		Optional Elective – 2 (PM)	3						
Total Credits				25						

MBA -Project Management Semester IV										
S.No	Course Type	Course code	Course Title	C	L	T	P	Sw	FW	PJ
1	Core	24PMP629	Leadership Lab II	1			2			
2	Core	24PMP630	Click & Brick Store	2			2			
3	Core	24PMT631	General Interest Course	2			2	2		
4	Core	24PMJ632	Project Management Research / Elective course	3						
5	Core	24PMT633	Project Contract Management	3	2	1				
6	Core	24PMT634	Project Integration Management	3	2	1				
7	Core	24PMT635	Project Knowledge Management	2	1	1				

8	Core	24PMT636	Project Tailoring & Delivery	2	1	1				
Total Credits				18						

MBA (IEV) Semester I		
Course Type	Course Title	Credits
Core	Mastering the Numbers- Finance for entrepreneurs	3
Core	Technology and Innovation Management	3
Core	Applied Design Thinking	3
Elective	Business Economics Basics	2
Elective	Design Fundamentals and Rapid prototyping	2
Elective	Open Elective 1	2
COC	Credit Outside Classroom	2
COC	Credit Outside Classroom	2
COC	Credit Outside Classroom	2
Capstone	Open Innovation/Incubation Immersion/Startup Creation Report	2
Action Learning	Open Innovation/Incubation Immersion/Startup Creation -- Phase 1	4
Total Credits		27

MBA (IEV) Semester II		
Course Type	Course Title	Credits
Core	Entrepreneurial Leadership	3
Core	Evidence based entrepreneurship	3
Core	Business Intelligence- Visualization for Decision Making	3
Elective	Open Elective - 2	2
Elective	Operations Management	2
Elective	Legal & Ethical Guide for Entrepreneurs	2
COC	Credit Outside Classroom	2
COC	Credit Outside Classroom	2
COC	Credit Outside Classroom	2
Action Learning	Open Innovation/Incubation Immersion/Startup Creation – Phase 2	4

Total Credits	25
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MBA (IEV) Semester III		
Course Type	Course Title	Credits
Core	Venture Capital and Financing Strategies for Startups	3
Core	Digital Marketing tools & Techniques	3
Core	Growth Strategies	2
Core	Mastering Disruptive Business Models	2
Elective	Open Elective 3	3
Elective	Specialization Track - 1	3
Elective	Specialization Track - 2	2
Elective	IPR Management	2
COC	Credit Outside Classroom	2
COC	Credit Outside Classroom	2
COC	Credit Outside Classroom	2
Capstone	Startup Acceleration or Incubation Acceleration	2
Total Credits		28

MBA (IEV) Semester IV		
Course Type	Course Title	Credits
Elective	Open Elective 4	2
Elective	Specialization Track 3	2
COC	Credit Outside Classroom	2
COC	Credit Outside Classroom	2
COC	Credit Outside Classroom	2
Action Learning	Enterprise Creation or Incubation Launchpad	12
Total Credits		22

After detailed deliberations, the committee approved the above proposal.

5. The following amendment for UG studies was present to ACM members for getting approval – in existing B.E/B.Tech Regulation (2018A) / MCA (2020) /

Existing B.E/B.Tech Regulation (2018A)	Amendment
<p>A student who satisfies the following conditions shall be declared to have passed the examination in First class:</p> <p>a) Should have passed the examination in all the courses of all eight semesters (6 semesters in the case of Lateral Entry) within Six years (Five years in the case of Lateral Entry).</p> <p>b) One-year authorized break of study (if availed of) or prevention from writing the End Semester examination due to lack of attendance (if applicable) is included in the duration of six years (five years in the case of lateral entry) for award of First class</p> <p>c) Should have secured a CGPA of not less than 6.50. For Honours (with or without specialization) should have secured a CGPA of not less than 7.50, and no history of arrears</p>	<p>A student who satisfies the following conditions shall be declared to have passed the examination in First class:</p> <p>a) Should have passed the examination in all the courses of all eight semesters (6 semesters in the case of Lateral Entry) within Five years (Four years in the case of Lateral Entry).</p> <p>b) One-year authorized break of study (if availed of) or prevention from writing the End Semester examination due to lack of attendance (if applicable) is included in the duration of five years (four years in the case of lateral entry) for award of First class</p> <p>c) Should have secured a CGPA of not less than 6.50. For Honours (with or without specialization) should have secured a CGPA of not less than 7.50, and no history of arrears</p>
Existing MCA Regulation (2018, 2020)	Amendment
<p>A student who satisfies the following conditions shall be declared to have passed the examination in First class: a) Should have passed the examination in all the courses of all 4 semesters within 3 years. b) One-year authorized break of study (if availed of) or prevention from writing the End Semester examination due to lack of attendance (if applicable) is included in the duration of 3 years for award of First class c) Should have secured a CGPA of not less than 7.00</p>	<p>A student who satisfies the following conditions shall be declared to have passed the examination in First class: a) Should have passed the examination in all the courses of all 4 semesters within 3 years. b) One-year authorized break of study (if availed of) or prevention from writing the End Semester examination due to lack of attendance (if applicable) is included in the duration of 3 years for award of First class c) Should have secured a CGPA of not less than 6.50</p>
Existing MCA Regulation (2018, 2020)	Amendment

Absolute Grading				Relative Grading (for class sizes above 30)		
Sl. No.	Range of percentage of total marks	Letter Grade	Grade Points	Sl. No.	Letter Grade	Grade Points
1.	91 to 100	O (Outstanding)	10	1.	O (Outstanding)	10
2.	81 to 90	A+ (Excellent)	9	2.	A+ (Excellent)	9
3.	71 to 80	A (Very Good)	8	3.	A (Very Good)	8
4.	61 to 70	B+ (Good)	7	4.	B+ (Good)	7
5.	50 to 60	B (Average)	6	5.	B (Average)	6
6.	<50	RA (Reappearance)	0	6.	C (Satisfactory)	5
7.	Shortage of Attendance	RA-SA (Reappearance due to Shortage of Attendance)	0	7.	U (Reappearance)	0
8.	Absent	RA-AB (Reappearance due to absence)	0	8.	SA (Reappearance due to Shortage of Attendance)	0
9.	Withdrawal from examination	W	0	9.	AB (Reappearance due to absence)	0
10.	Pass in mandatory-non-credit course	P	0	10.	WD	0
11.	Fail in mandatory-non-credit course	F	0	11.	P	0
				12.	F	0

6. The following amendment for management studies was present to ACM members for getting approval – MBA Regulation (2021A)

5.9.2 CLASSIFICATION OF THE DEGREE AWARDED

A student shall be declared to be eligible for the award of MBA Degree provided the student has successfully completed the course requirements and has passed all the prescribed examinations in all the four semesters within a maximum period of 4 years reckoned from the commencement of the first semester to which the candidate was admitted

5.9.2.1 FIRST CLASS WITH DISTINCTION

A student who satisfies the following conditions shall be declared to have passed the examination in First class with Distinction:

- Should have passed the examination in all the courses of all the four semesters in the student's First Appearance within three years, which includes authorized break of study of one year (if availed.) Withdrawal from examination will not be considered as an appearance.
- Should have secured a CGPA of not less than 8.50.
- Should NOT have been prevented from writing end semester examination due to lack of attendance in any semester.

5.9.2.2 FIRST CLASS:

A student who satisfies the following conditions shall be declared to have passed the examination in First class:

- Should have passed the examination in all the courses of all four semesters (within three years, which includes one year of authorized break of study (if availed) or prevention from writing the End Semester Examination due to lack of attendance (if applicable).
- Should have secured a CGPA of not less than 6.50.

5.9.2.3 SECOND CLASS:

- All other students (not covered in clause 5.9.2.2.1 and 5.9.2.2) who qualify for the award of the degree shall be declared to have passed the examination in Second Class.



The award of Degree will be approved by the Academic Council of the Institution. The degree will be issued by Anna University, Chennai. The consolidated Grade Sheet will be issued by the Institution

After detailed deliberations, the committee approved the above proposal

06. Vote of Thanks

Dr. Ezhilarasi M – Principal & Chairman, Academic Council proposed a vote of thanks.

Approved by

Approved by			Signature
1	Dr. Ezhilarasi M	Chairman - Academic Council	
Nominee of Anna University			
2	Dr.S.Tharves Mohideen	Professor and Head, Department of Mechanical Engineering, Government college of Engineering (IRTT), Erode- 638316	Approval given through email
3	Dr.M.Matheswaran	Professor, Department of Chemical Engineering, National Institute of Technology, Tiruchirappalli- 620015	Approval given through email
4	Dr.P.Varalakshmi	Professor, Department of Information Science and Technology, CEG Campus, Anna University, Chennai: 600025	Amal 19/24
5	Dr.D.Prabhakaran	Professor, Department of Chemical Engineering Coimbatore Institute of Technology, Coimbatore- 641014	

The meeting came to an end at 1.30 pm.


Chairman, Academic Council / Principal

Dr. M. EZHILARASI
PRINCIPAL


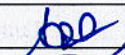

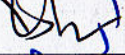


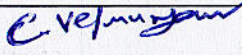
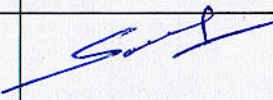
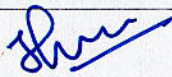
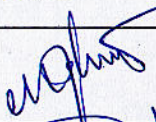

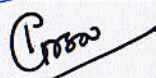
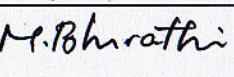
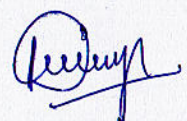

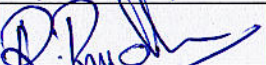
Kumaraguru College of Technology
Coimbatore - 641 049.



Experts nominated by the Governing Body:

Sl.No.	Name of the Member	Organization	Signature
6	Mr.R.Ramesh	Executive Director, Janatics India Pvt Limited,E-25, SIDCO Industrial Estate, Kurichi, Coimbatore- 641 021	
7	Ms.Sudha Rengarajan	Director - Software Engineering, Salesforce.com India Private Limited, Bangalore Urban, Karnataka, 560071	

Internal Members and Board Chairman / Chairpersons:

Sl.No.	Name of the Member	Designation & Department	Signature
8	Dr.R.Karthikeyan	Controller of Examinations	
9	Dr. S. Sundaresan	Head Autonomous	
10	Dr. J. Vijay Prakash	Deputy CoE, Convener, AC Meeting	
11	Dr. Vinohar Stephen Rapheal	Head BT and Head – Academic Innovations	
12	Dr.B.Senthilkumar	Coordinator-Autonomous	
13	Dr. V. Selvan	Head, Civil Engineering- Chairman – Faculty of Civil Engineering	
14	Dr. C. Velmurugan	Head-Mechanical Engineering- Chairman - Faculty Mechanical Engineering	
15	Dr. M. Saravana Mohan	Head-Mechatronics Program Chair - Board of Mechatronics Engineering	
16	Dr. J. D. Andrew Pon Abraham	Head-Automobile Engineering, Program Chair - Board of Automobile Engineering	
17	Dr. M. Senthilkumar	Head-Aeronautical Engineering- Program Chair- Board of Aeronautical Engineering	
18	Dr. V. Dinesh Kumar	Head-Electronics Engineering, Program Chair-,Board of Electronics & Instrumentation Engineering	
19	Dr. K. Malarvizhi	Head-EEE, Chairperson – Board of Electrical & Electronics Engineering	
20	Dr. M. Bharathi	Head-ECE, Chairperson - Board of Electronics & Communication Engineering	
21	Dr. Divya Vadlamudi	Associate Director & HoD ,CSE , Chairperson – Faculty of Computer Science and Engineering and Information Technology	
22	Dr. V. Ramesh Babu	Head, Textile Technology - Chairman - Faculty of Technology	
23	Dr. R. Priyadarshini	Head-Fashion Technology, Program Chair – Board of Fashion Technology	

Sl.No.	Name of the Member	Designation & Department	Signature
24	Dr K Maheswari	Head/Mathematics & Chairperson – Faculty of Science and Humanities	
25	Dr H Arul	Head-Physics, Program Chair – Board of Physics	
26	Dr K R Aranganayagam	Head-Chemistry, Program Chair – Board of Chemistry	
27	Dr Arokia Lawrence Vijay	Head-English, Program Chair – Board of English	
28	Dr. Mary Cherian	Head-MBA, Chairperson – Faculty of Management Sciences	
29	Dr.V.Vijilesh	Head-MCA, Chairman – Board of Computer Applications	
30	Dr.P.Shenbagam	Head- Artificial Intelligence and Data Science	
31	Dr.Raghupathy S	Director Strategic Planning and Review	
32	Dr Raghuvveer VR	Director, Kumaraguru School of Innovation (KSI),	
33	Prof. A.Pavendhan	Associate dean, Textile Cluster	
34	Dr. K. Sundararaj	Professor-Aeronautical Engineering	
35	Dr.S.Sivakumar	Head – School of Foundational Sciences	
36	Dr.A.Vasuki	Head DoA	
37	Dr. S. Selvanayagi	Head - IQAC	

Members not present:

Sl.No.	Name of the Member	Organization	Role
1	Prof. C. Muthamizhchelvan	Director, Faculty of Engineering and Technology, SRM University, SRM Nagar, Kattankulathur – 603 203	Experts Nominated by Governing Body
2	Mr. Hariharan Ganesan KCT Alumni	Head of R2 Data Labs, Rolls-Royce India Pvt.Ltd., L3 Manyata Tech Park, Nagavara, Bangalore 560045	Experts Nominated by Governing Body
3	Mr.Niranjan.P	Solids & Models Engineering Pvt Ltd, Cbe	Experts Nominated by Governing Body

To: All the members

Chairman, Academic Council / Principal

Dr. M. EZHILARASI
PRINCIPALKumaraguru College of Technology
Coimbatore - 641 049.