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24th Dec 2025

Minutes of the 29th Meeting of Academic Council

The **29th** Meeting of the Academic Council of Kumaraguru College of Technology was held on **24th Dec 2025 (Wednesday) from 10.30 a.m. to 1.30 pm**.

Mode of Meeting – Physical & Virtual Mode
Venue - Quorum, KCT Campus
Following members were present at the meeting:
Chairman – Academic Council – Autonomous Status

Sl. No.	Name of the Member	Designation & Department
1.	Dr. M.Ezhilarasi	Principal, Chairman– Academic Council
Members Nominated by Anna University Chennai		
2	Dr. M. Krishnaveni	Professor, Department of Civil Engineering CEG Campus Anna University, Chennai – 600 025 Phone: 044 22357506 Mobile : 98402 02974 E Mail : mkveni@annauniv.edu
3.	Dr. G. B. Bhaskar	Professor, Department of Production Technology MIT Campus Anna University, Chennai – 600 044. Phone: 044 22516154 Mobile : 94441 40339 E Mail : drgbbhaskat@mitindia.edu
4	Dr. A. Arunya Revathi	Professor, Department of EEE., Alagappa Chettiar Government College of Engineering and Technology, Karaikudi – 630003O Sivagangai, Tamil Nadu. Mobile : 94435 02182 E Mail : arunyarevathi_eee@yahoo.co.in
Experts nominated by the Governing Body		
5.	Dr. S.Gopinath. (Industry)	Practice Head-ADAS, Automotive CoE, UST Global, Bengaluru, India Mobile : 98451 68026 E Mail : selgopi@gmail.com
6.	Mr.Manish Bafna (Industry)	Senior Vice President of Technology at RFPIO (now Responsive), Coimbatore Mobile : 90433 4050 E Mail : manish.bafna.82@gmail.com

7.	Mr. Shankar Subburathinam (Industry)	Engineering Manager Advanced Materials Technology-India Integrated Components and Solutions Division Caterpillar India Pvt Ltd. Thiruvallur 602 004 Mobile : 99623 52227 E Mail : subburathinam_shankar@cat.com
8.	Dr. W. Selvamurthy (Education)	President, Amity Science, Technology and Innovation Foundation (ASTIF) Director General, Amity Directorate of Science and Innovation (ADSI) Chancellor, Amity University, Chhattisgarh. Mobile : 98713 72441 / 98188 01028 E Mail : wselvamurthy@amity.edu
9.	B.K.Narayanaraja . (93-ECE-32) 1997- ECE (Industry)	Vice President – Semiconductor India Sales, Tech Mahindra, Bangalore Mobile : 98451 29900 E Mail : Personal : teamnraja@yahoo.com Official : narayanaraja.bk@techmahindra.com
10.	R. Kanchana Devi. (93-EEE-17) 1997 - EEE (Industry)	Director, Cognizant, Coimbatore Mobile : 94423 44065 E Mail : rkanchu@yahoo.com

Internal Members and Board Chairpersons		
11..	Dr. V.Gayathri	Head, Civil Engineering, Chairperson, Faculty of Civil Engineering
12.	Dr. M. Senthilkumar	Head, Aeronautical Engineering, Program Chair, Board of Aeronautical Engineering
13.	Dr. J. D. Andrew Pon Abraham	Head, Automobile Engineering, Program Chair, Board of Automobile Engineering
14.	Dr. M. Saravanan Mohan	Head, Mechatronics Engineering, Program Chair, Board of Mechatronics Engineering
15.	Dr.P.S. Samuel Ratna Kumar	Head, Mechanical Engineering, Chairman, Faculty of Mechanical Engineering.
16.	Dr. N. Ramesh Babu	Director, Kumaraguru School of Electrical Sciences, Dean, Curriculum Design & Development. Chairman Faculty of Electrical Engineering
17.	Dr. P Thirumoorthy	Head, Electrical and Electronics Engineering Program Chair, Board of Electrical & Electronics Engineering
18.	Dr. V. Dinesh Kumar	Head, Electronics and Instrumentation Engineering, Program Chair, Board of Electronics & Instrumentation Engineering
19.	Dr. M. Bharathi	Head, Electronics and Communication Engineering Chairperson, Faculty of Electronics and Communication Engineering.
20.	Dr. J. Senthil	Director, Kumaraguru School of Innovations (KSI) Chairman, Faculty of Computer Science and Engineering and Information Technology

21.	Dr. E. A. Vimal	Head, Computer Science and Engineering, Program Chair, Board of Computer Science and Engineering
22.	Dr. P. Shenbagam	Head, Information Technology, Program Chair, Board of Information Technology
23.	Dr. D. Sudharson	Head, Artificial Intelligence and Data Science Program Chair, Board of Artificial Intelligence and Data Science
24.	Dr.V. Vijilesh	Head, Master of Computer Applications Program Chair, Board of Computer Applications
25.	Dr.Vinohar Stephen Rapheal	Head, Biotechnology, Chairman, Faculty of Technology Head - Academic Innovations
26.	Dr. R. Priyadarshini	Head, Fashion Technology, Program Chair, Board of Fashion Technology
27.	Dr. M.Saravanan	Head, Textile Technology Program Chair, Board of Textile Technology
28.	Dr K. Kalapriya	Head, Chemistry Program Chair, Board of Chemistry
29.	Dr. J. Dhivya	Head, Mathematics Chairperson, Faculty of Science and Humanities
30.	Dr. E. Shobhana	Head, Physics Program Chair, Board of Physics
31.	Dr. S. Sreejana	Head, Department of Languages and Communication Program Chair, Board of English
32.	Dr. S. Sangeetha	HoD In-Charge, Professor Chairperson, Faculty of Management Sciences
33.	Dr.A.Latha	Associate Professor Program Chair, Board of MBA
34.	Dr. B. L. Lakshmi Meera	Chief Program Officer, Forge. Academy Program Chair, Board of MBA (IEV)
35.	Dr.Buggavarapu VSS Subbarao	Assistant Professor Program Chair, Board of MBA (Project Management)
36.	Dr. P. Thamarai Selvi	Assistant Professor Program Chair, Board of MBA (Logistics and Supply Chain Management
37.	Dr.K.Raman	Head, Associate Professor, Agribusiness Management Program Chair, Board of MBA (Agribusiness Management)
Teachers of the institute		
38.	Dr.S.Raghupathy	Director, Strategic Planning and Review
39.	Dr.K.R.Aranganayagam	Deputy Controller of Examinations
40	Dr. D. Saravanan	Director, Special Projects

41.	Dr.S.Sivakumar	Associate Dean, School of Foundational Science
42.	Dr.K.K.Anil Kumar	Associate Dean, CCE & EP
43.	Prof. A.Pavendhan	Associate Dean, Textile Cluster
44.	Dr.A.Vasuki	Associate Dean, Department of Academics.
45.	Dr.K.S.Badrinathan	Associate Dean, Academic Administration
46.	Dr. S. Selvanayaki	Head, IQAC
47.	Dr.R.Manivel	Associate Dean, RIDE
48.	Dr.P.S.Mayurappriyan	Associate Dean, Accreditation
49.	Dr.N.Sangeetha	Dean, Academic Audit
50.	Dr.Bhaarathi Dhurai	Head, Autonomous
51..	Dr.B.Senthil Kumar	Coordinator, Autonomous
Faculty nominated by the Principal (Member Secretary)		
52.	Dr. J. Vijay Prakash	Convener, Academic Council Meeting

Agenda of the Academic Council Meeting

1. Action Taken Report - 28th Academic Council meeting.
2. Consideration and Anna University Affiliation for the introduction of new academic programmes for the academic year 2026-2027
3. Approval for the introduction of new minor specializations and elective courses under the R18A Regulations
4. Approval of amendments to the R18A and R24 Regulations
5. Approval of the curriculum and syllabus of undergraduate and postgraduate programmes under R24
6. Approval of the minutes of the Board of Studies (BoS) meetings
7. Any other item with the permission of the Chairman, Academic Council

Welcome Address

Dr. M. Ezhilarasi, Chairperson of the Academic Council, formally commenced the 29th Academic Council Meeting by introducing the members of the Council. She presented an overview of the institution, highlighting its vision and mission, academic programs offered, Ph.D. centres, accreditation status by NAAC and NBA, and various institutional recognitions. Student achievements during 2025–2026, including accomplishments in hackathons and success in clearing SSB examinations, were shared. The initiatives such as *One Course One Company* and other industry and research linkages were emphasized, along with details of industry conclaves and faculty involvement in research and institutions' placement activities. The Chairperson also presented the institution's quality assurance initiatives and their impact, inclusive practices through institutional, government, and private scholarships, and international partnerships, global expansion initiatives, and engagement activities.

01. Action taken report on 28th Academic Council Meeting

The Chairman, Academic Council invited the Coordinator, Autonomous to facilitate the meeting. The Coordinator, Autonomous presented the action taken report on 28th Academic Council Meeting.

Acad. Council Meeting & date	Suggestions	Action taken
28th/26th June 2025	**Dr.M.Ezhilarasi**, Chairman, Academic Council, requested the Council to represent the institutions' proposal regarding international collaborations through course integration with foreign universities and also for twinning programmes	**With reference to the 31st Academic Council meeting of Anna University (Item 31.1.15) held on 09.08.2024,** the Council approved the twinning programme in principle and recommended the formulation of detailed guidelines.
28th/26th June 2025	**Dr.G.B.Bhaskar, Professor, Anna University, Chennai** suggested embedding 1. SAT-style assessments, with a balance of 60% theory and 40% practical, such as quizzes, to enhance evaluation methods. He advised that the outcomes of newly introduced academic practices be periodically presented in future meetings. 2. He also suggested that the current placement status be shared for review 3. Self-learning courses in postgraduate programmes be permitted only for students with a CGPA of 7.5 or above, ensuring academic readiness for independent.	1. SAT Style assessments – Scenario based questions (IA & ESE), MCQ style comprehension assessments (IA), Hackathon based assessments for Embedded courses. 2. Placement statistics included in the 29th Academic Council meeting presentation 3. Self learning courses permitted with prior approvals only
28th/26th June 2025	**Dr. A. Arunya Revathi, Professor, Alagappa Chettiar Government College of Engineering and Technology, Karaikudi** suggested to include the feedback from the minority (underprivileged) students in framing the curriculum and syllabi.	The feedback on curriculum and syllabi is collected from all the stakeholders.
28th/26th June 2025	**Dr. W. Selvamurthy, President, Amity University** appreciated the institution's progress and extended best wishes for its continued success. He encouraged greater global engagement through international collaborations, internships, and the inclusion of courses in emerging technologies. He emphasized the need to integrate behavioural sciences, value-added courses, translational research, and subjects related to quality, reliability, and safety.	1. The KCT Global Engagement Office (K-GEO) is actively pursuing the global engagement, faculty training and international coteaching. 2. The R18A includes Universal Human Values course across two semesters. In R24 introduced the Holistic wellness I & II in the curriculum across the institution.
28th/26th June 2025	Mr. Shankar Subburathinam, Engineering Manager from Caterpillar, an industry expert, recommended investing in industrial testing equipment to strengthen industry-institute partnerships. He appreciated the institution's flexible curriculum design and suggested the introduction of certificate courses by industries and collaborations with professional bodies like ASM International, including forming an ASM Student Chapter. He emphasized the importance of training students in email etiquette and technical report writing and extended an invitation for collaboration with Caterpillar on internship opportunities.	The expert's suggestions were well received. As an initial step, the **ASME Student Chapter was established in October 2025**, and **Mr. Madhukar Sharma, Director & President (ASME)**, was inducted as a **Professional Society member** in the **Department Advisory Board meeting held in November 2025**. To strengthen students' communication skills, the **R18 curriculum** includes the course **U18ENI1202 – Fundamentals of**

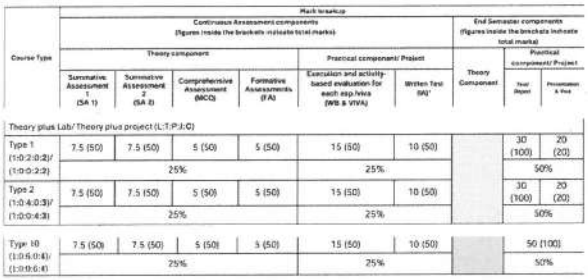
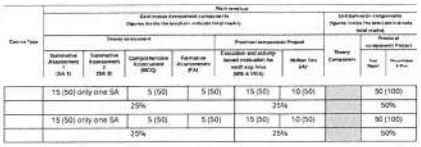
Acad. Council Meeting & date	Suggestions	Action taken
		Communication-I, offered by the **Languages and Communication Department**, covering email etiquette and technical report writing.
28th/26th June 2025	Dr.S.Gopinath from UST Global recommended that the institution can market its clubs and forums more effectively to industries and professional bodies to build visibility and engagement.	1. Technical club activities are updated with relevant sponsoring industries
26th June2025	**Amendments in Academic Regulations (R18A & R24)** • "AB" replaced with "RA" for exam absenteeism. • CRA Test introduced under R18A (Clause 12) & R24 (Clause 7.4). • Special Exam: 4 UG courses + 2 PG courses. •KCT-BS-amendments: – Revised clause 4.1.6 (re-exam under special circumstances). – Clause 2.5.4: Credit Transfer for SWAYAM/NPTEL. – Clause 2.5.5: Credit Transfer for Non-SWAYAM MOOCs. – Revised Grade Classification Table.	1. Authorized and implemented following Council approval 2. All amendments incorporated into updated R18A & R24 regulation documents.

Council Members were satisfied with the actions taken on the suggestions given by the members during the 28th Academic Council Meeting.

02. Approval of amendments to the R18A and R24 Regulations

Head, Autonomous invited Dr. N. Ramesh Babu - Director – Kumaraguru School of Electrical Sciences and Dean, Curriculum Design & Development. Chairperson, Faculty of Electrical Engineering *to present the proposed amendments in R18A and R24 regulations.*

Topic	Existing	Proposed
Inclusion of NPTEL/ SWAYAM Course Credit Mapping (R18A and R24 for UG and PG)	As per the guidance from Anna University, NPTEL/SWAYAM courses are already permitted to taken existing but letter grade is mapped in this ACM	• Students are permitted to earn credits through NPTEL / SWAYAM courses. • Students who successfully complete NPTEL / SWAYAM courses and obtain certification will be awarded credits as per the above mapping. • If a student passes the NPTEL course, the grade will be reflected in the grade sheet.

		Letter Grade / **Marks** **O** 90–100 **A+** 80–89 **A** 70–79 **B+** 60–69 **B** 50–59 **C** 40–49
Assessment Pattern for Courses with One Lecture Hour	Courses with only **one lecture hour** currently follow the same assessment components as other theory courses, which may not be appropriate given their limited contact hours. 	For courses with one lecture hour, there will be only one internal assessment (Summative Assessment) instead of Two assessments. All other components (MCQs & FA) will remain common to all courses as per existing norms. 
R18A – Online Courses	Existing – Clause 21.8 All the online courses (*minimum of 30 hours duration*) carry a weightage of 1 credit each. These credits may be considered in lieu of a suitable professional/open elective. *Student shall earn a maximum of 3 credits for the online courses in the entire period of study.*	Proposed Amendment – Clause 21.8 All the online courses (minimum of 4 weeks & above duration) carry a weightage of 1 credit each and in proportion. *Student shall earn a maximum of 12 credits for the online courses in the entire period of study.*
R24 – MCA Bridge Course	Addition: Table 7 – Inserted MCA Bridge courses are to be conducted for students from non-computer science background	Clause 9.5 (xi) In addition to the above for the MCA programme, students undergoing bridge courses should complete all the bridge courses prescribed for the two year MCA programme for the award of the degree. The Bridge courses shall be conducted before the start of the first semester and along with the first year of the programme.

R24 – International Credit transfers	2.5.1.3 International Summer School. A student may opt for the International Summer Program in Engineering, Business and Entrepreneurship	**2.5.1.3 International Summer School.** A student may opt for the International Summer Program in Engineering, Business and Entrepreneurship/ or opt for the Advanced International course which is co-designed by KCT and partner University to gain in depth/ advanced knowledge at the partner University in Engineering, Business and Entrepreneurship/ related domains.

After detailed deliberations, the council approved the above proposal.

03. Consideration and Anna University Affiliation for the introduction of new academic programmes for the academic year 2026-2027

Head, Autonomous invited the Chairperson of the Master of Business Administration to present the curriculum, syllabus and seek approval for the new PG programmes.

The list of new PG Programmes is listed below:

Sl.No	Department	Program Name
1.	MBA	MBA (Sustainability Management).AICTE approved letter F.No. 1-44639791749/2025/EOA letter of approval 10.04.2025, page no. 5 of 7

Proposed New Program : MBA – Sustainability Management

Semester	Course Themes	Credits
I	Foundational & Sustainability Courses	24
II	Advanced functional and sustainability integration	24
III	Integration, Electives & Immersion	23
IV	Specializations, capstone and career Transition	22
	Total	**93 Credits**

After detailed deliberations, the council approved the above proposal.

04. Approval for New Specialization Courses

Head, Autonomous invited the Program Chair of Mechanical Engineering to present and seek the approval for new specialization courses under R24

The details are given below:

Sl.No	Department	New Specialization Courses
1	Mechanical Engineering	Introducing the New Minor Specialization Track on Defence Technology (18 – Credits)
2.	Civil Engineering	As per the directions from AICTE vide their circular no 1-29/AICTE/CM/2025/PAP/VCs_Instt/DMP dated 12th Nov 2025 a Non-credit mandatory course (equivalent to 2 credits) on "Disaster Management and Preparedness" will be offered to all UG students at the Institute by Department of Civil Engineering

After detailed deliberations, the council approved the above proposal.

05. Approval of the BoS minutes, curriculum and syllabus of undergraduate and postgraduate programmes under R24

Head, Autonomous invited the 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 to present the BOS minutes and curriculum and syllabus for the undergraduate and postgraduate programmes under R24 and seek the approval from Academic Council members.

After detailed deliberations, the council approved the above proposal.

1. Faculty of Civil Engineering

B.E. Civil Engineering - R24 - Semester II - Engineering & Scientific Foundations (From 2025 Batch)

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	24CEI102	Building Materials, Sustainability & 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

B.E – Civil Engineering - R24 - Semester IV									
Strength of Materials, Fluids & Geomatics									
S. No.	**Course code**	**Course Title**	**Course Mode**	**CT**	**L**	**T**	**P**	**J**	**C**
1	24HSP006	Mastering Group Discussion and Presentation Skills	Practical	HS	0	0	2	0	1
2	24MAI241	Numerical Methods and Probability	Embedded	BS	3	0	2	0	4
3	24INP202	Innovation Practicum-4	Practical	ES	0	0	2	0	1
4	24INO___	FCLF Technical Stack -I	Practical	OE	0	0	2	0	1
5	24INO___	FCLF Emerging Stack -I	Practical	OE	0	0	2	0	1
6	24INM102	Indian Knowledge Systems in Science and Engineering	Theory	HS	1	0	0	0	1
7	24INM202	Environmental Science and Sustainability	Embedded	HS	1	0	2	0	2
8	24CEP206	Fluid Mechanics Lab	Practical	PC	0	0	2	0	1
9	24CEI207	Remote Sensing & Geographic Information System	Embedded	PC	2	0	2	0	3
10	24CET208	Strength of Materials	Theory	PC	3	0	0	0	3
11	24CEI209	Highway Engineering	Embedded	PC	3	0	2	0	4
								Total Credits	**22**
								Total Contact Hours/week	**31**

R24 FCLF Technical Stack							
Sl. No.	**Course code**	**Course name**	**L**	**T**	**P**	**J**	**C**
1.	24INO2___	Scientific Foundations of Traditional Building Practices	0	0	2	0	1
2.	24INO2___	MEP (Mechanical, Electrical, and Plumbing)	0	0	2	0	1
3.	24INO2___	Land Records Management	0	0	2	0	1

R24A FCLF –Emerging Stack							
Sl. No.	**Course code**	**Course name**	**L**	**T**	**P**	**J**	**C**
1.	24INO2___	Open Roads/MX Roads	0	0	2	0	1
2.	24INO2___	Building Information Modelling	0	0	2	0	1
3.	24INO2___	Augmented & Virtual Reality in Civil Visualization	0	0	2	0	1

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	24STI506	Advanced Design of Steel Structures	Embedded	PC	3	0	2	0	4
3	24STI507	Finite Element Analysis	Embedded	PC	3	0	2	0	4
4	24STE0__	Professional Elective I	Theory	PE	3	0	0	0	3
5	24STE0__	Professional Elective II	Theory	PE	3	0	0	0	3
6	24STC0YY	Professional Elective III – Industry Driven	Embedded	PE	2	0	0	2	3
								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	24ENT510	Environmental Impact Assessment	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	GIS in Environmental Planning & Management	Embedded	PC	1	0	4	0	3
5	24ENE0__	Professional Elective – I	Theory	PE	3	0	0	0	3
6	24ENE0__	Professional Elective – II	Theory	PE	3	0	0	0	3
7	24ENP511	Technical Seminar	Practical	PC	0	0	2	0	1
8	24ENC021	Environmental Policies and Legislations	Embedded	PE	2	0	0	2	3
								Total Credits	20
								Total Contact Hours/week	24

2. Faculty of Mechanical Engineering

B.E. Aeronautical Engineering - R24 - Semester IV

S. No.	Course Code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24HSP006	Mastering Group Discussion and Presentation Skills	Practical	HS	0	0	2	0	1
2	24MAI241	Numerical Methods and Probability	Embedded	BS	3	0	2	0	4
3	24AEI206	Aerodynamics I	Embedded	PC	2	0	2	0	3
4	24AEI207	Aircraft Structures I	Embedded	PC	2	0	2	0	3
5	24AEI208	Aircraft Propulsion	Embedded	PC	2	0	2	0	3
6	24AET209	Aircraft Mechanisms and Machine Dynamics	Theory	PC	3	0	0	0	3
7	24AET210	Aircraft Systems and Instruments	Theory	PC	3	0	0	0	3
8	24INM102	Indian knowledge Systems in Science and Engineering	Theory	HS	1	0	0	0	1
9	24INP202	Innovation Practicum – IV	Practical	ES	0	0	2	0	1
10	24INO---	FCLF – Technical Stack – 1	Practical	OE	0	0	2	0	1
11	24INO---	FCLF – Emerging Stack – 1	Practical	OE	0	0	2	0	1
								Total Credits	24
								Total Contact Hours/week	32

R24 FCLF Technical Stack

Sl. No.	Course code	Course name	L	T	P	J	C
1.	24INO2__	Introduction to Non-Destructive Testing	0	0	2	0	1
2.	24INO2__	Computational Fluid Dynamic Simulations using OpenFOAM	0	0	2	0	1

R24 FCLF Emerging Stack

Sl. No.	Course code	Course name	L	T	P	J	C
1.	24INO2__	Composite Materials for Aerospace Applications	0	0	2	0	1
2.	24INO2__	Modeling and Simulation of Dynamic Systems using MATLAB	0	0	2	0	1

B.E. Aeronautical Engineering - Elective Course - Ratification

S.No.	Course Code & Course Title (Previous)	Course Code & Course Title (New)
1.	24AEI201 - Engineering Thermodynamics	24AEI201 - Aero Engineering Thermodynamics
2.	24AEI202 - Fluid Mechanics and Machinery	24AEI202 - Engineering Fluid Mechanics and Hydraulics

B.E. Automobile Engineering - R24 - Semester IV

S. No.	Course Code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24HSP006	Mastering Group Discussion and Presentation Skills	Practical	HS	0	0	2	0	1
2	24MAI241	Numerical Methods and Probability	Embedded	BS	3	0	2	0	4
3	24AUI207	Automotive Powertrain	Embedded	PC	2	0	2	0	3
4	24AUI208	Fluid Mechanics and Heat transfer	Embedded	PC	3	0	2	0	4
5	24AUI209	Automotive Embedded Systems	Embedded	PC	2	0	0	2	3
6	24AUT210	Design of Machine Elements	Theory	PC	2	1	0	0	3
7	24INM202	Environmental Science and Sustainability	Embedded	HS	1	0	2	0	2
8	24INM102	Indian Knowledge Systems in Science and Engineering	Theory	HS	1	0	0	0	1
9	24INP202	Innovation Practicum -4	Practical	ES	0	0	2	0	1
10	24INO2_ _	FCLF Tech stack -1	Practical	OE	0	0	2	0	1
11	24INO2_ _	FCLF Emerging stack-1	Practical	OE	0	0	2	0	1
								Total Credits	24
								Total Contact Hours/week	33

R24 FCLF Emerging Stack

Sl. No.	Course code	Course name	L	T	P	J	C
1.	24INO___	BMS for EV Applications	0	0	2	0	1
2.	24INO___	Design of Automotive ECU	0	0	2	0	1
3.	24INO___	CAE Meshing for Automotive Applications	0	0	2	0	1
4.	24INO_ __	Autotronics	0	0	2	0	1

R24 FCLF Technical Stack

Sl. No.	Course code	Course name	L	T	P	J	C
1.	24INO___	Automotive Styling	0	0	2	0	1
2.	24INO___	Multi-Body Dynamics Simulation	0	0	2	0	1
3.	24INO___	EV Motor Design	0	0	2	0	1

B.E. Mechatronics Engineering - R24 - Semester IV

Course code	Course Title	Course Mode	CT	L	T	P	J	C
24HSP006	Mastering Group Discussion and Presentation Skills	Practical	HS	0	0	2	0	1
24INM202	Environmental science and sustainability	Embedded	HS	1	0	2	0	2
24MAI241	Applied numerical methods and Probability for Engineers	Embedded	BS	3	0	2	0	4
24MRI208	Sensors and Instrumentation	Embedded	PC	2	0	2	0	3
24MRI209	Industrial Electronics and drives	Embedded	PC	2	0	2	0	3
24MRT210	Theory of Machines	Theory	PC	2	1	0	0	3
24MRI211	Fluid power systems	Embedded	PC	2	0	2	0	3
24IN0----	FCLF Emerging Stack – 1	Practical	OE	0	0	2	0	1
24INO----	FCLF Technical Stack -1	Practical	OE	0	0	2	0	1
24INP202	Innovation practicum -4	Practical	ES	0	0	2	0	1
24INM102	Indian Knowledge Systems in Science and Engineering	Theory	HS	1	0	0	0	1
							Total Credits	23
							Total Contact Hours/week	32

R24 FCLF Emerging Stack							
Sl. No.	Course code	Course name	L	T	P	J	C
1.	24INO---	Python for edge devices	0	0	2	0	1
2.	24INO---	AI-Integrated Automation Systems Simulation	0	0	2	0	1
3.	24INO---	Robot Operating System	0	0	2	0	1
4.	24INO---	Vision language Models for Robotics	0	0	2	0	1

R24 FCLF Technical Stack							
Sl. No.	Course code	Course name	L	T	P	J	C
1.	24INO---	3D Modelling for Additive Manufacturing	0	0	2	0	1
2.	24INO---	Multibody Dynamics Simulation	0	0	2	0	1
3.	24INO---	3D Printing Operations and Post-Processing Techniques	0	0	2	0	1
4.	24INO---	Product Design and Development	0	0	2	0	1

R18A New Electives Introduced							
Sl. No.	Course code	Course name	L	T	P	J	C
1.	U18MCE0024	Legged Robotics	3	0	0	0	3
2.	U18MCE0025	Healthcare Robotics	3	0	0	0	3
3.	U18MCE0026	Drone Technology	3	0	0	0	3
4.	U18MCE0027	Marine Robotics	3	0	0	0	3

B.E., Mechanical Engineering R24 Semester IV									
S. No	Course code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24HSP006	Mastering Group Discussion and Presentation Skills	Practical	HS	0	0	2	0	1
2	24INM202	Environmental Science and Sustainability	Theory	HS	1	0	2	0	2
3	24INP202	Innovation Practicum - 4	Practical	ES	0	0	2	0	1
4	24MAI241	Numerical Methods and Probability	Embedded	BS	3	0	2	0	4
5	24MEI207	Materials Strength and Structural Behavoir	Embedded	PC	3	0	2	0	4
6	24MEI208	Heat Power Systems	Embedded	PC	3	0	2	0	4
7	24EEI210	Electro mechanical Energy conversion systems	Embedded	PC	2	0	2	0	3
8	24MEP207	Digital Engineering Drafting & Modelling	Practical	PC	0	0	4	0	2
9	24INM102	Indian Knowledge System in Science and Engineering	Theory	HS	1	0	0	0	1
10	24INO___	FCLF Technical Stack	Practical	OE	0	0	2	0	1
								Total Credits	23
								Total Contact Hours/week	32

R24 FCLF Technical Stack							
Sl. No.	Course code	Course name	L	T	P	J	C
1.	24INO2___	Introduction to Non-Destructive Testing	0	0	2	0	1
2.	24INO2___	Mechanism simulation	0	0	2	0	1
3.	24INO2___	Process Simulation & Plant Simulation	0	0	2	0	1
4.	24INO2___	Industrial Engineering Fundamentals	0	0	2	0	1
5.	24INO2___	Excel for Data Analytics	0	0	2	0	1

R18A FCLF Course

Sl. No.	Course code	Course name	L	T	P	J	C
1.	U18MEO0011	Industrial Engineering and Systems Thinking for All Engineers	3	0	0	0	3

R18A New Electives Introduced

Sl. No.	Course code	Course name	L	T	P	J	C
1.	U18MEE0045	Data Science for Mechanical Engineers	3	0	0	0	3
2.	U18MEE0546	Tool and Die Design for Forming operations	2	0	2	0	3
3.	U18MEE0047	Automotive & EV design	3	0	0	0	3
4.	U18MEE0048	Heating Ventilation and Air Conditioning	3	0	0	0	3
5.	U18MEE0049	Sustainable Energy Sources	3	0	0	0	3
6.	U18MEE0550	Design of Jigs & Fixtures	2	0	2	0	3
7.	U18MEE0051	Robotics and Automation	3	0	0	0	3
8.	U18MEE0052	Design of Hydraulics and Pneumatics System	3	0	0	0	3

3. Faculty of Electrical Engineering

B.E. EEE - R24 - Semester II (from 2025 Batch)

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	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	24ECI103	C Programming: Logic and Applications	Embedded	ES	1	0	6	0	4
6	24EET102	Electromagnetic Fields	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	25
								Total Contact Hours/week	34

B.E., EEE – R24 – Semester IV									
S. No	Course code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24HSP006	Mastering Group Discussion and Presentation Skills	Practical	HS	0	0	2	0	1
2	24EET205	Generation, Transmission and Distribution	Theory	PC	3	0	0	0	3
3	24EEI206	Induction and Synchronous Machines	Embedded	PC	3	0	2	0	4
4	24EEI207	Embedded Systems	Embedded	PC	2	0	4	0	4
5	24EII204	Signal Processing Techniques	Embedded	PC	3	0	2	0	4
6	24INO___	FCLF Technical Stack - 1	Practical	OE	0	0	2	0	1
7	24INO___	FCLF Emerging Stack - 1	Practical	OE	0	0	2	0	1
8	24INP202	Innovation Practicum -4	Practical	ES	0	0	2	0	1
9	24INM202	Environmental Science and Sustainability	Embedded	HS	1	0	2	0	2
10	24INM102	Indian Knowledge systems in science and Engineering	Theory	HS	1	0	0	0	1
								Total Credits	22
								Total Contact Hours/week	31

R24 FCLF Technical Stack (EEE, E&I, ECE)								
Sl. No.	Course code	Course name	L	T	P	J	C
1.	24INO2___	Industrial Electrification	0	0	2	0	1
2.	24INO2___	Industry Practices in Modern Electrical Machines	0	0	2	0	1
3.	24INO2___	PCB Design using EDA Tools	0	0	2	0	1
4.	24INO2___	Image Processing Applications with MATLAB	0	0	2	0	1
5.	24INO2___	Introduction to EMI and EMC	0	0	2	0	1

R24 FCLF Emerging Stack (EEE, E&I, ECE)								
Sl. No.	Course code	Course name	L	T	P	J	C
1.	24INO2___	Artificial Intelligence–Enabled IoT Systems	0	0	2	0	1
2.	24INO2___	Fundamentals of Quantum Computing	0	0	2	0	1
3	24INO2___	Power Plant Engineering- An Industrial Context	0	0	2	0	1

B.E. EIE – R24 - Semester II (From 2025 Batch)									
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	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	C Programming: Logic and Applications	Embedded	ES	1	0	6	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
								Total Credits	23
								Total Contact Hours/week	32

UG Semester IV									
S. No	Course code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24HSP006	Mastering Group Discussion and Presentation Skills	Theory	HS	0	0	2	0	1
2	24ECI203	Linear Integrated Circuits	Embedded	PC	3	0	2	0	4
3	24EEI204	Digital System Design	Embedded	PC	3	0	2	0	4
4	24EII204	Signal Processing Techniques	Embedded	PC	2	1	2	0	4
5	24EII205	Control Panel Design and Relay Logic System	Embedded	PC	2	0	2	0	3
6	24INO___	FCLF – Tech. Stack - 1	Theory	OE	0	0	2	0	1
7	24INO___	FCLF – Emerging Tech Stack - 1	Theory	OE	0	0	2	0	1
8	24INP202	Innovation Practicum - 4	Practical	ES	0	0	2	0	1
9	24INM202	Environmental Science & Sustainability	Embedded	HS	1	0	2	0	2
10	24INM102	Indian Knowledge System in Science and Technology	Theory	HS	1	0	0	0	1
								Total Credits	22
								Total Contact Hours/week	30

4. Faculty of Electronics & Communication Engineering

B.E. ECE - R24 - Semester II (From 2025 Batch)									
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	Effective 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	24EEI107	Foundations of Electrical Machines and Drives	Embedded	ES	2	0	2	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	24INO102	FCLF General Stack - 2	Practical	OE	0	0	2	0	1
								Total Credits	24
								Total Contact Hours/week	32

B.E. ECE - R24 - Semester IV									
S. No.	Course Code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24HSP006	Mastering Group Discussion and Presentation Skills	Practical	HS	0	0	2	0	1
2	24MAT242	Random Processes and Spectral Analysis in Communication	Theory	BS	3	1	0	0	4
3	24INP202	Innovation Practicum-4	Practical	ES	0	0	2	0	1
4	24INM202	Environmental Science and Sustainability	Embedded	HS	1	0	2	0	2
5	24INO___	FCLF Technical Stack - 1	Practical	OE	0	0	2	0	1
6	24INO___	FCLF Emerging Stack - 1	Practical	OE	0	0	2	0	1
7	24ECT205	Transmission Lines and RF Systems	Theory	PC	3	0	0	0	3
8	24ECI206	Digital Signal Processing	Embedded	PC	3	0	2	0	4
9	24ECI207	VLSI Design	Embedded	PC	3	0	2	0	4
10	24EEI207	Embedded Systems	Embedded	PC	2	0	4	0	4
								Total Credits	25
								Total Contact Hours/week	34

M.E VLSI Design - Semester II

S. No.	Course code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24VLI505	Analog Integrated Circuit Design	Embedded	PC	3	0	2	0	4
2	24VLI506	VLSI Signal Processing	Embedded	PC	3	0	2	0	4
3	24VLI507	Verification and Testing of VLSI Circuits	Embedded	PC	3	0	2	0	4
4	24VLT508	Low Power VLSI Design	Theory	PC	3	0	0	0	3
5	24VLE___	Professional Elective I	Theory	PE	3	0	0	0	3
6	24VLE___	Professional Elective II	Theory	PE	3	0	0	0	3
7	24VLI509	Mini Project	PW	PW	0	0	0	6	3
								Total Credits	24
								Total Contact Hours/week	30

M.E. VLSI Design - R24 - New Electives

Sl. No.	Course Code	Course name	L	T	P	J	C
1.	24VLE009	Semiconductor Device Modeling	3	0	0	0	3
2.	24VLE010	Reconfigurable Architectures	3	0	0	0	3
3.	24VLE011	Modern Transistor Architectures and Circuit Performance	3	0	0	0	3
4.	24VLE012	VLSI for Wireless Communications	3	0	0	0	3
5.	24VLE013	Machine learning for VLSI	3	0	0	0	3
6.	24VLE014	Universal Verification Methodology	3	0	0	0	3
7.	24VLE015	Advanced VLSI Interconnects	3	0	0	0	3
8.	24VLE016	Mixed Signal Circuit Design	3	0	0	0	3
9.	24VLE017	Introduction to Wearable Electronics	3	0	0	0	3
10.	24VLE018	Electronics and Semiconductor Packaging	3	0	0	0	3

5.	Faculty of Computer Science Engineering , Information Technology and MCA	

B.E. CSE - R24 - Semester II

S. No.	Course code	Course Title	Course Mode	Course Type	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	24CSI007	Python for Computational Problem Solving	Embedded	ES	1	0	4	0	3
4	24ITI001	Embedded Systems	Embedded	ES	2	0	2	0	3
5	24ADT015	Finance, Economics and Marketing	Theory	HS	3	0	0	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	24HSP112	Holistic Wellness-2	Practical	HS	0	0	2	0	1
9	24INO102	FCLF- General Stack-2	Practical	OE	0	0	2	0	1
10	24INP101	Design Thinking	Practical	HS	0	0	2	0	1
								Total Credits	19
								Total Contact Hours/week	28

B.E. CSE - R24 - Semester IV									
S. No.	Course Code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24MAT243	Discrete Mathematics and Optimization	Theory	BS	3	0	0	0	3
2	24ITT203	Computer Organization and Architecture	Theory	PC	3	0	0	0	3
3	24CSI011	Computer Networks and Security	Embedded	PC	3	0	2	0	4
4	24CSP012	Java Programming	Practical	PC	0	0	4	0	2
5	24ADI017	Machine Learning Techniques	Embedded	PC	3	0	0	2	4
6	24INM202	Environmental Science and Sustainability	Embedded	HS	1	0	2	0	2
7	24HSP007	Building Professional Readiness	Practical	HS	0	0	2	0	1
8	24INP202	Innovation Practicum - 4	Practical	ES	0	0	2	0	1
9	24ITP013	Aptitude and Reasoning - II	Practical	HS	0	0	2	0	1
								Total Credits	21
								Total Contact Hours/week	29

R18A New Electives							
Sl. No.	Course Code	Course Title	L	T	P	J	C
1.	U18CSE0532	Intelligent IoT Systems with Cloud and AI Integration	0	0	6	0	3
2.	U18CSE0533	Digital Evidence and Cyber Investigation	0	0	6	0	3
3.	U18CSE0534	Game Design and Development Using Unreal Engine	0	0	6	0	3
4.	U18CSE0235	Technical Entrepreneurship for Computer Engineers	1	0	4	0	3
5.	U18CSE0536	Entrepreneurship Practicum	0	0	0	6	3

R18A Ratification							
Sl. No.	Course Code	Course Title	L	T	P	J	C
1.	U18CSE0318	IoT Systems Design	2	0	0	2	3
2.	U18CSE0219	IoT Application Development	2	0	2	0	3
3.	U18CSE0220	Software Systems for 3D Printing	2	0	2	0	3
4.	U18CSE0022	Software Defined Vehicle	3	0	0	0	3

B.Tech. IT - R24 - Semester II									
S. No.	Course Code	Course Title	Course Mode	Course Type	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	24CSI007	Python for Computational Problem Solving	Embedded	ES	1	0	4	0	3
4	24ITI001	Embedded Systems	Embedded	ES	2	0	2	0	3
5	24ADT015	Finance, Economics and Marketing	Theory	HS	3	0	0	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	24HSP112	Holistic Wellness-2	Practical	HS	0	0	2	0	1
9	24INO102	FCLF- General Stack-2	Practical	OE	0	0	2	0	1
10	24INP101	Design Thinking	Practical	HS	0	0	2	0	1
								Total Credits	19
								Total Contact Hours/week	28

B.Tech. IT - R24 - Semester IV									
S. No.	Course Code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24MAT243	Discrete Mathematics and Optimization	Theory	BS	3	0	0	0	3
2	24ITT203	Computer Organization and Architecture	Theory	PC	3	0	0	0	3
3	24CSI011	Computer Networks and Security	Embedded	PC	3	0	2	0	4
4	24CSP012	Java Programming	Practical	PC	0	0	4	0	2
5	24ADI017	Machine Learning Techniques	Embedded	PC	3	0	0	2	4
6	24INM201	Universal Human Values-II	Theory	HS	1	0	0	0	1
7	24HSP007	Building Professional Readiness	Practical	HS	0	0	2	0	1
8	24INP202	Innovation Practicum - 4	Practical	ES	0	0	2	0	1
9	24ITP013	Aptitude and Reasoning - II	Practical	HS	0	0	2	0	1
								Total Credits	20
								Total Contact Hours/week	27

R18A New Electives							
Sl. No.	Course Code	Course Title	L	T	P	J	C
1.	U18ITE0535	Cloud Infrastructure and Solutions Architecture	0	0	6	0	3
2.	U18ITE0537	DevOps Mastery	0	0	6	0	3
3.	U18ITE0536	Collaborative Research and Publication Methodologies	0	0	6	0	3

R18A FCLF Course							
Sl. No.	Course code	Course name	L	T	P	J	C
1.	U18ITO0001	Cloud Skills For Digital Transformation	3	0	0	0	3

M.Tech. Data Science - Semester II									
S. No.	Course Code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24DSP506	Exploratory Research and Ideation	Embedded	HS	0	0	4	0	2
2	24DSI509	Advanced Bigdata Technologies	Embedded	PC	3	0	0	2	4
3	24DSI508	Natural language Processing Techniques	Embedded	PC	3	0	2	0	4
4	24DS-0--	Professional Elective – I	Theory	PE	*	*	*	*	3
5	24DS-0--	Professional Elective – II	Theory	PE	*	*	*	*	3
6	24DS-0--	Professional Elective – III	Theory	PE	*	*	*	*	3
7	24--O0--	Open Elective – II	Theory	OE	3	0	0	0	3
								Total Credits	22
								Total Contact Hours/week	29

Ratification in R24 Syllabus - Protosem Mapping			
S.No.	Protosem Course	Course Offered in the Curriculum	Credits
1	U18MSPS18 Introduction to Generative AI	24DSC003 Generative AI	3
2	U18MSPS19 Project Phase - I	24DSJ601 Project Phase - I	10
3	U18MSPS20 Internship	24DSJ603 Internship	2
		Total Credits	15

B.Tech. Artificial Intelligence and Data Science - R24 - Semester II									
S. No.	Course code	Course Title	Course Mode	Course Type	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	24CSI007	Python for Computational Problem Solving	Embedded	ES	1	0	4	0	3
4	24ITI001	Embedded Systems	Embedded	ES	2	0	2	0	3
5	24ADT015	Finance, Economics and Marketing	Theory	HS	3	0	0	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	24HSP112	Holistic Wellness-2	Practical	HS	0	0	2	0	1
9	24INO102	FCLF- General Stack-2	Practical	OE	0	0	2	0	1
10	24INP101	Design Thinking	Practical	HS	0	0	2	0	1
								Total Credits	19
								Total Contact Hours/week	28

B.Tech. Artificial Intelligence and Data Science - R24 - Semester IV									
S. No.	Course Code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24MAT244	Random Process and Optimization	Theory	BS	3	0	0	0	3
2	24CSI014	Design and Analysis of Algorithms	Embedded	PC	3	0	2	0	4
3	24ADI003	Machine Learning	Embedded	PC	3	0	2	0	4
4	24CSP012	Java Programming	Practical	PC	0	0	4	0	2
5	24ADI204	Data Science and Visualization	Embedded	PC	2	0	0	2	3
6	24INM201	Universal Human Values-II	Theory	HS	1	0	0	0	1
7	24HSP007	Building Professional Readiness	Practical	HS	0	0	2	0	1
8	24INP202	Innovation Practicum - 4	Practical	ES	0	0	2	0	1
9	24ITP013	Aptitude and Reasoning - II	Practical	HS	0	0	2	0	1
								Total Credits	20
								Total Contact Hours/week	26

R18A New Electives							
S. No.	Course Code	Course Title	L	T	P	J	C
1.	U18AIE0528	AI and ML Infrastructure Engineering	0	0	6	0	3
2.	U18AIE0530	Agentic AI	0	0	6	0	3
3.	U18AIE0227	Introduction to Large Language Models	2	0	2	0	3
4.	U18AIE0529	Pragmatic Programming	0	0	6	0	3
5.	U18AIE0031	Quantum Computing Foundations	3	0	0	0	3
6.	U18AIE0232	Industrial Automation	2	0	2	0	3
7.	U18AIE0233	Industrial Robotics	2	0	2	0	3

R18A Ratification							
S. No.	Course Code	Course Title	L	T	P	J	C
1.	U18AIE0217	Data Processing Techniques	2	0	2	0	3

Mapping of NPTEL Courses with Professional Electives and Honors Courses

Course Name	NPTEL Course Name
U18AIE0219 Data Analysis and Visualization	Data Science for Engineers, IIT Madras
U18AIE0220 Business Intelligence for Decision Making	Business Intelligence & Analytics, IIT Madras
U18AIE0227 Introduction to Large Language Models	Introduction to Large Language Models (LLMs), IIT Delhi, IIT Bombay

Mapping of NPTEL Courses with Professional Electives and Honors Courses

Course Code and Course Name	NPTEL Course Name
U18AIE0210 Deep Learning	Deep Learning for Computer Vision, IIT Hyderabad
U18AIE0213 Natural Language Processing	Natural Language Processing, IIT Kharagpur
U18AIE0211 Computer Vision	Modern Computer Vision, IIT Madras
U18AIE0214 Generative AI	Generative AI and Large Language Models, IIM Bangalore
U18AIE0015 Responsible AI	Responsible & Safe AI Systems, IIT Hyderabad, IIT Madras

MCA New Elective Courses Added (R24)

Course Code	Course Title	L	T	P	J	C
24CAC636	Research Methodologies and Publication	0	0	6	0	3
24CAC637	Startup Capstone Project	0	0	0	6	3

6. Faculty of Technology

B.Tech. Biotechnology – R24 - Semester IV

S. No.	Course code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24HSP006	Mastering Group Discussion and Presentation Skills	Practical	HS	0	0	2	0	1
2	24BTI206	Cell Culture Techniques	Embedded	PC	2	0	4	0	4
3	24BTI207	Genetic Engineering	Embedded	PC	2	0	4	0	4
4	24BTI208	Protein Science and Enzyme Technology	Embedded	PC	2	0	2	0	3
5	24BTI209	Bioprocess Engineering Principles	Embedded	PC	3	0	2	0	4
6	24BTI210	Environmental Biotechnology and Sustainability	Embedded	PC	1	0	2	0	2
7	24INO--	FCLF Technical Stack - 1	Practical	OE	0	0	2	0	1
8	24INO--	FCLF Emerging Technology Stack - 1	Practical	OE	0	0	2	0	1
9	24INP202	Innovation Practicum - 4	Practical	ES	0	0	2	0	1
10	24INM102	Indian Knowledge systems in Science and Engineering	Mandatory	HS	1	0	0	0	1
								Total Credits	22
								Total Contact Hours/Week	33

6. Faculty of Technology

B.Tech. Biotechnology – R24 - Semester IV

S. No.	Course code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24HSP006	Mastering Group Discussion and Presentation Skills	Practical	HS	0	0	2	0	1
2	24BTI206	Cell Culture Techniques	Embedded	PC	2	0	4	0	4
3	24BTI207	Genetic Engineering	Embedded	PC	2	0	4	0	4
4	24BTI208	Protein Science and Enzyme Technology	Embedded	PC	2	0	2	0	3
5	24BTI209	Bioprocess Engineering Principles	Embedded	PC	3	0	2	0	4
6	24BTI210	Environmental Biotechnology and Sustainability	Embedded	PC	1	0	2	0	2
7	24INO--	FCLF Technical Stack - 1	Practical	OE	0	0	2	0	1
8	24INO--	FCLF Emerging Technology Stack - 1	Practical	OE	0	0	2	0	1
9	24INP202	Innovation Practicum - 4	Practical	ES	0	0	2	0	1
10	24INM102	Indian Knowledge systems in Science and Engineering	Mandatory	HS	1	0	0	0	1
								Total Credits	22
								Total Contact Hours/Week	33

FCLF Technical Stack

Sl. No.	Course Code	Course Title	L	T	P	J	C
1.	24INO2___	Commercial Plant Tissue Culture	0	0	2	0	1
2.	24INO2___	Cell Preservation Techniques	0	0	2	0	1

FCLF Emerging Technology Stack

Sl. No.	Course Code	Course Title	L	T	P	J	C
1.	24INO2___	Genomic Data Analysis	0	0	2	0	1
2.	24INO2___	Network and Systems Biology	0	0	2	0	1

M.Tech. Biotechnology Elective Course - Ratification

S.No.	Course Code & Course Title (Previous)	Course Code & Course Title (New)
1.	24MBE006 - One Health - An Integrative Approach to Interconnected Health Challenges	24MBE006 - One Health - An Integrative Approach

B.Tech Fashion Technology - Semester IV									
S.No	Course code	Course Title	Course Type	Course Category	L	T	P	J	C
1	24HSP006	Group Discussion and Presentation Skills	HS	Practical	0	0	2	0	1
2	24FTT208	**Knitting and Non wovens**	PC	Theory	3	0	0	0	3
3	24FTI209	**Woven Fabrics and Decorative Techniques**	PC	Embedded	2	0	2	0	3
4	24FTI210	**Textile chemical processing and finishing**	PC	Embedded	2	0	2	0	3
5	24FTT211	**Apparel Design & Pattern Drafting Techniques**	PC	Theory	3	0	0	0	3
6	24FTP212	**Apparel Construction Laboratory**	PC	Practical	0	0	2	0	1
7	24FTP213	**Apparel CAD Laboratory**	PC	Practical	0	0	2	0	1
8	24FTT214	**Apparel Machinery and Mechanisms**	ES	Theory	3	0	0	0	3
9	24INM202	Environmental Science and Sustainability	BS	Theory	1	0	2	0	2
10	24INP202	Innovation Practicum - IV	ES	Practical	0	0	2	0	1
11	24INO---	FCLF - Technical Stack -1	OE	Practical	0	0	2	0	1
12	24INO---	FCLF - Emerging Stack - 1	OE	Practical	0	0	2	0	1
13	24INM102	Indian Knowledge System in Science Engineering	HS	Theory	1	0	0	0	1
								Total Credits	24
Syllabus				Total Contact Hours/week					33

R24 FCLF Technical Stack							
Sl. No.	Course code	Course Title	L	T	P	J	C
1.	24INO2___	Apparel Graphics	0	0	2	0	1
2.	24INO2___	Production Line Balancing	0	0	2	0	1
3.	24INO2___	Automation in Apparel	0	0	2	0	1

R24 FCLF Emerging Stack							
Sl. No.	Course code	Course Title	L	T	P	J	C
1.	24INO2___	Sustainability Certifications for Textiles and Fashion	0	0	2	0	1
2.	24INO2___	Virtual Prototyping	0	0	2	0	1
3.	24INO2___	AR /VR for Fashion Retail	0	0	2	0	1

B.Tech. Textile Technology – R24 - Semester IV									
S.No.	Course Code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24HSP006	Mastering Group Discussion and Presentation Skills	Practical	HS	0	0	2	0	1
2	24TTT205	Characteristics of Textile Fibres	Theory	PC	3	0	0	0	3
3	24TTI206	Yarn Manufacturing Technology-II	Embedded	PC	3	0	2	0	4
4	24TTI207	Weaving Technology-II	Embedded	PC	3	0	2	0	4
5	24TTI208	Textile Design and Structures	Embedded	PC	2	0	2	0	3
6	24TTI209	Knitting Technology	Embedded	PC	3	0	2	0	4
7	24INM202	Environmental Sci. & Sustainability	Embedded	HS	1	0	2	0	2
8	24INO2-	FCLF – Technical Stack	Theory	OE	0	0	2	0	1
9	24INO2-	FCLF – Emerging Stack	Theory	OE	0	0	2	0	1
10	24INP204	Innovation studio	Practical	ES	0	0	2	0	1
								Total Credits	**24**
								Total Contact Hours/week	**33**

		R24 FCLF Emerging Stack

Sl. No.	Course code	[Computing in Textiles] Course Title	L	T	P	J	C
1.	24INO2___	ERP in Textiles	0	0	2	0	1
2.	24INO2___	IoT and its Applications in Soinning	0	0	2	0	1
3.	24INO2___	Data Analytics and AI Applications in Textile Process Optimization	0	0	2	0	1
4.	24INO2___	Smart Manufacturing in Textiles	0	0	2	0	1
SL. No.	**Course Code**	**[Green Textiles] Course Title**	**L**	**T**	**P**	**J**	**C**
1	24INO2___	Sustainability Concepts in Textile Manufacturing	0	0	2	0	1
2	24INO2___	Sustainability Certifications and Economic Impact	0	0	2	0	1
3	24INO2___	Circularity in Textiles	0	0	2	0	1
4	24INO2___	Micro-pollution from Textiles	0	0	2	0	1

7. Faculty of Science and Humanities

Department of Mathematics - R24 - Semester IV

S. No.	Course code	Course Title	Course Mode	Course Type	L	T	P	J	C
1	24MAI241	Numerical Methods and Probability (AE, AU, CE, ME, MR)	Embedded	BS	3	0	2	0	4
2	24MAT242	Random Processes and Spectral Analysis in Communication (only for ECE)	Theory	BS	3	1	0	0	4
3	24MAT243	Discrete Mathematics and Optimization (CSE, IT)	Theory	BS	3	0	0	0	3
4	24MAT244	Random Process and Optimization (only for ADS)	Theory	BS	3	0	0	0	3

Department of Physics							
R24 FCLF General Stack							
Sl. No.	Course Code	Course Name	L	T	P	J	C
1.	24INO177	Sports Performance and Technologies	0	0	2	0	1

R24 Value Added Course							
Sl. No.	Course Code	Course Name	L	T	P	J	C
1.	24PHV501	Sensor Technologies for Environmental Monitoring	1	0	0	0	1

Department of Languages and Communication - R24 - Value Added Courses							
Sl. No.	Course code	Course Name	L	T	P	J	C
1	24HSV001	Creative Communication and Editorial Skills: Enhancing Content Creation & Digital Publishing	0	0	2	0	1
2	24HSV002	Building Digital English Learning Platforms: Communication, Content & Execution	0	0	2	0	1
3	24HSV003	Employability Essentials: Language, Etiquette, and Confidence	0	0	2	0	1
4	24HSV004	Emotional Intelligence: Concepts, Skills and Applications	0	0	2	0	1
5	24HSV005	Research Writing Essentials	0	0	2	0	1
6	24HSV006	CareerEdge Communication	0	0	2	0	1
7	24HSV007	Confident Communication for Academic and Workplace Success	0	0	2	0	1

R18A New Electives							
Sl. No.	Course code	Course Name	L	T	P	J	C
1.	U18ENO0017	Aptitude and Verbal Reasoning	3	0	0	0	3
2.	U18ENO0018	Professional Skills for Career Growth	0	0	6	0	3
3.	U18ENO0019	Advanced Communication Skills for International Higher Education	0	0	6	0	3

R24 AICTE Mandated Course							
Sl. No.	Course code	Course Name	L	T	P	J	C
1.	24INM201	Universal Human Values II: Understanding Harmony	1	0	0	0	1

8. Faculty of Management Sciences

Proposed New Program : MBA – Sustainability Management

Semester	Course Themes	Credits
I	Foundational & Sustainability Courses	24
II	Advanced functional and sustainability integration	24
III	Integration, Electives & Immersion	23
IV	Specializations, capstone and career Transition	22
	Total	**93 Credits**

MBA Sustainability Management

Semester 1 – Foundation & Sustainability Courses

Courses	Credits	L	T	P	PJ	SW	FW
Accounting for Sustainability Management	3	2	-	-	-	-	2
Managerial Economics & Systems Thinking for Sustainability	3	2	-	-	-	-	2
Quantitative Methods, Statistics & Decision Modeling	3	2	-	2	-	-	-
Organizational Behaviour, Leadership & Responsible Management	3	2	-	-	-	2	-
Marketing Management	3	2	-	-	-	2	-
Operations & Supply Chain Fundamentals	3	2	1	-	-	-	-
Climate, Energy & Environmental Science for Managers	3	2	-	-	-	2	-
Business Ethics, Corporate Governance & Stakeholder Management	3	2	-	-	-	2	-
Total	24						

MBA Sustainability Management

Semester 2 – Advanced functional and Sustainability integration

Courses	Credits	L	T	P	PJ	SW	FW
Corporate & Sustainable Finance	3	2	-	-	-	2	-
Strategic Management for Sustainable businesses	3	2	-	-	-	-	2
Sustainable Operations & Circular Economy	3	2	-	-	-	-	2
ESG Measurement, Reporting & Assurance	3	2	-	-	-	2	-
Climate Risk, Scenario Analysis & Resilience Planning	3	1	-	-	-	2	2
Sustainable Supply Chains & Responsible Sourcing	3	2	-	-	-	-	2
Public Policy, Regulation & Sustainable Business	3	2	-	-	-	2	-
Analytics Lab: Sustainability Data & Decision Support	3	1	-	2	-	2	-
Total	**24**						

MBA Sustainability Management

Semester 3 – Integration, Electives & Immersion

Component	Credits	L	T	P	PJ	SW	FW
Online Immersion Program	4	2	-	-	-	2	2
Strategic Change, Transformation & ESG Leadership	3	2	-	-	-	2	-
Advanced Business Analytics for Sustainable Decisions	3	2	-	-	-	2	-
Industry Consulting Studio	4	2	-	2	-	2	-
Subtotal	**14**						
Electives*							
Elective 1	3						
Elective 2	3						
Elective 3	3						
Subtotal	**9**						
Total	**23**						

MBA Sustainability Management

Semester 4 – Specialization, Capstone & Career Transition

Mandatory							
Component	**Credits**	**L**	**T**	**P**	**PJ**	**SW**	**FW**
Capstone: Integrated Sustainability Strategy Project	6	-	-	-	6	-	-
Ethical Leadership, Purpose & Legacy	3	2	-	2	-	-	-
Subtotal	**9**						
Electives *							
Elective 1	3						
Elective 2	3						
Elective 3	3						
Subtotal	**9**						
Experiential Exit Requirement							
Internship / Research Dissertation / Policy Project	4	-	-	-	6	-	-
Total	**22**						

Elective list*							
Course Title	**Credits**	**L**	**T**	**P**	**PJ**	**SW**	**FW**
Sustainable Business Model Innovation	3	2	-	-	-	-	2
Green Finance & Carbon Markets	3	2	-	-	-	-	2
Life Cycle Assessment (LCA) & Sustainable Product Design	3	2	-	-	-	-	2
Digital Technologies for Sustainability	3	2	-	-	-	2	-
Circular Economy Strategy & Systems Design	3	2	-	-	-	-	2
Climate-Tech & Sustainability Entrepreneurship	3	2	-	-	-	-	2
Emissions & Supplier Transformation	3	2	-	-	-	-	2
Sustainable & Impact Investing	3	2	-	-	-	-	2

MBA (General) Semester IV – Electives & Core Courses								
S. No	Course Code	Course Title	Credits	L	T	P	SW	FW
1	24BAE057	Merchant Banking and Financial services	3	1	1	0	2	0
2	24BAE061	Financial Modelling	3	1	0	2	2	0
3	24BAE063	Introduction to Cryptocurrency and blockchain	1	1	0	0	0	0
4	24BAE062	Behavioral Finance	2	1	0	0	0	2
5	24BAE034	Production Planning and Control	3	2	0	2	0	2
6	24BAE031	Industry 4.O	3	2	0	2	0	2
7	24BAE042	Brand Management	3	2	0	2	0	2
8	24BAE044	B2B Marketing	3	2	0	0	0	2
9	24BAE074	Diversity, Equity & Inclusion	2	1	0	0	0	2
10	24BAE075	Emotional and Social Intelligence – ESI	2	1	0	2	0	0
11	24BAE076	Recruitment and Selection	2	1	0	2	0	0
12	24BAE090	Data Visualization	2	2	0	2	0	0
13	24BAT624	Business Ethics	2	2	0	0	2	0
14	24BAI625	International Business Management	3	2	0	0	0	2

Open Elective & Value-Added Course									
S. No	Course Code	Course Title	Credits	L	T	P	SW	FW	J
1	24BAV001	Portfolio Management – Analysis and Practice	3	0	0	6	0	0	0
2	24BAO001	Startup Registration	3	1	0	0	4	0	0
3	24BAO002	Problem Solving for Enhancing the Livelihood of the Society and Industry – Level I	1	0	0	0	0	2	0
4	24BAO003	Problem Solving for Enhancing the Livelihood of the Society and Industry – Level II	3	0	0	0	0	6	0

MBA Project Management - Semester IV – Courses								
S. No	Course code	Course Title	Credits	L	T	J	SW	FW
1	24PMJ632	Research Project	3	0	0	5	0	0
2	24PMT633	Project Contract Management	3	2	1	0	0	0
3	24PMT634	Project Integration Management	3	2	1	0	0	0
4	24PMT635	Project Knowledge Management	2	1	0	0	0	2
5	24PMT636	Project Tailoring and Value Delivery	2	1	0	0	0	2

		MBA Agri Business Management - Semester II

S. No	Course Code	Course Title	Credits	L	T	P	FW
1	24ABT507	Project Management and Entrepreneurship Development	3	1	1	0	2
2	24ABT508	Financial Management	3	2	1	0	0
3	24ABT509	Human Resource Management	3	2	1	0	0
4	24ABT510	Business Analytics	3	2	1	0	0
5	24ABT511	Agricultural Inputs Marketing	4	2	1	0	2
6	24ABT512	Business Law and Ethics	3	2	1	0	0
7	23ABT520	Operations Management	4	3	1	0	0
8	23ABT521	Agricultural Extension Management	3	1	1	0	2
9	23ABT523	Behavioral Sciences & Leadership Development	1	0	0	0	0

FCLF Courses

R24 FCLF General Stack

Sl. No.	Course code	Course Name	L	T	P	J	C
1	24INO162	Introduction To Gender Studies	0	0	2	0	1
2	24INO163	Kalarippayattu – The Ancient Indian Martial Art	0	0	2	0	1
3	24INO164	Learning With Quizzing: A Fun Path To Knowledge	0	0	2	0	1
4	24INO165	Strings Of Solace: Guitar For Beginners	0	0	2	0	1
5	24INO166	Decode Self - A Choice To Change	0	0	2	0	1
6	24INO167	Emergency Response Management	0	0	2	0	1
7	24INO168	Swara Sangeetham – Vocal Carnatic Music	0	0	2	0	1
8	24INO169	Between Thought And Action: The Space For Change	0	0	2	0	1

R24 FCLF General Stack

Sl. No.	Course code	Course Name	L	T	P	J	C
9	24INO170	Introduction to Archaeology and Epigraphy	0	0	2	0	1
10	24INO171	The Compass Program: Purpose, Presence and Planning for Life	0	0	2	0	1
11	24INO172	Disruptive Thinking	0	0	2	0	1
12	24INO173	Foundations of Digital Marketing	0	0	2	0	1
13	24INO174	Speaking And Writing Skills in Tamil	0	0	2	0	1
14	24INO175	Cross-cultural Collaboration for Global Engineers	0	0	2	0	1
15	24INO176	Foundations of Western Guitar	0	0	2	0	1

After detailed deliberations, the council approved the above proposal.

07. Feedback and Suggestions from Members and Experts

1. Dr. W. Selvamurthy, *President, ASTIF, Amity University*

Dr. W. Selvamurthy expressed his appreciation for the academic progress, achievements, and inclusive vision of Kumaraguru College of Technology. His key observations, suggestions, and clarifications are summarized below:

- Appreciated the systematic and diligent review process adopted by the Board of Studies, which facilitated smooth approval at the Academic Council level.
- Commended the institution's commitment to inclusive education through extensive scholarship support and acknowledged the sustained patronage of the management in infrastructure development, faculty recruitment, and research support.
- Congratulated the institution on achieving **NAAC accreditation with a CGPA of 3.62** and securing **QS rankings**, noting these as indicators of strong academic governance.
- Suggested strengthening **industry-on-campus models** by establishing industry-sponsored laboratories, particularly in **Automobile and Aerospace Engineering**, and recommended developing a **Research and Innovation Park** to enhance consultancy, sponsored research, internships, and placements.
- Emphasized the need to move beyond publications and patents towards **product development, prototypes, translational research, and Technology Readiness Level (TRL) mapping**, and recommended that future Academic Council presentations highlight these aspects.
- Recommended establishing and strengthening **incubation and start-up ecosystems** and appreciated the existing FORGE Incubator and its evolution into an accelerator with multiple centres across Tamil Nadu.
- Suggested future reviews include **quality metrics of publications**, such as Q1/Q2 journals, impact factors, and institutional h-index trends.
- Highlighted the importance of **alumni engagement** in curriculum feedback, internships, mentoring, and R&D investments, and appreciated the initiatives taken through the Global Alumni Meet and structured networking platforms.
- Enquired about student aspirational surveys and placement outcomes; clarification was provided that student aspirations are identified early and categorized into employment, higher education, and entrepreneurship, with training aligned accordingly.
- Suggested appointing **Professors of Practice** from industry, DRDO, and research organizations; it was clarified that such appointments have already been initiated in Management Studies and are being extended to engineering disciplines.
- Recommended enhancing **consultancy activities** through dedicated marketing and outreach efforts.
- Emphasized emerging areas such as **Quantum Technologies** and **Robotics and Autonomous Systems**, recommending introduction of minor tracks and establishment of specialized laboratories.
- Recommended inclusion of **Quantum Communication, Satellite-Based Communication, Underwater Communication**, and **Quantum Key Distribution (QKD)** in relevant programmes, which were accepted for consideration by the respective Boards.
- Appreciated student achievements through the **SSB selection process** and encouraged further strengthening of start-up initiatives.

2. Dr. G. B. Bhaskar, *Professor, MIT Campus, Anna University, Chennai*

Dr. G. B. Bhaskar appreciated the research activities of the institution and expressed confidence that the institution is progressing towards attaining Technical University status. His observations and suggestions include:

- Enquired about the inclusion of tutorial hours in embedded courses in Civil Engineering; it was clarified that embedded courses do not include tutorial hours.
- Suggested that a **fractional credit system** could be explored in future curriculum revisions.
- Provided inputs on the **One Course One Company** concept, stating that:
  - One-credit theory courses with one lecture hour are appropriate.
  - Embedded courses should emphasize practical components more strongly.
- Emphasized the importance of ensuring that the **vision and mission of departments** are clearly understood by all stakeholders.
- Appreciated the introduction of **Sustainable Management** in the MBA programme.
- Suggested that **department-wise placement activities** be highlighted in future presentations.
- Recommended that details of **patents filed and granted** be explicitly presented in Academic Council meetings.

3. Dr. M. Krishnaveni, *Professor, Anna University, Chennai*

Dr. M. Krishnaveni appreciated the overall accomplishments of the institution and offered the following suggestions and clarifications:

- Suggested inclusion of **Drone Pilot Training** from the Aeronautical Engineering Department under FCLF courses.
- Enquired about **NPTEL courses and credit mapping**, and sought clarification on whether students who fail an NPTEL course could be permitted to enrol in an alternate NPTEL course to earn the required credit.
- Recommended inclusion of additional FCLF courses in Civil Engineering, such as:
  - Artificial Intelligence in Civil Engineering
  - 3D Printing

  It was clarified that these courses are already being offered and that AI has been integrated into the curriculum.
- Suggested inclusion of:
  - **Circular Economy** in the M.E. Environmental Engineering programme
  - **Underwater Communication** in the ECE programme
  - **Statistics and Probability** as a common course across all departments
- Expressed interest in understanding the institution's **product development initiatives**, and it was informed that details would be shared subsequently.

4. Dr. A. Arunaya Revathi, *Professor, ACGCET, Karaikudi*

Dr. A. Arunaya Revathi appreciated the teaching–learning innovations and research outputs of the institution and made the following observations:

- Enquired about the **cluster-based teaching and learning approach** in Mathematics; it was explained that real-world problem scenarios are used to enhance learning.
- Enquired about **Socio-Emotional Learning**; it was clarified that Holistic Wellness courses are offered in Semesters I and II, and emotional wellness is supported through a tie-up with **Your Dost**.
- Encouraged the institution to apply for the **Innovation Ranking**.
- Appreciated the number of **Scopus-indexed publications**, while noting that the number of SCI publications is comparatively lower; the institution reported around 140 SCI publications with expected growth.
- Highlighted consultancy activities in Civil Engineering and enquired about other departments; it was informed that EEE has undertaken energy audits, environmental audits, and green audits.
- Emphasized the importance of obtaining **student feedback for embedded courses**.
- Observed that embedded courses were well received and sought clarification on handling theory-integrated laboratory courses under R24.
- Emphasized that **tutorial hours play an important role** in problem-based courses.

5. Mr. Shankar Subburathinam
Engineering Manager, Caterpillar – Industry Expert
Mr. Shankar Subburathinam provided industry-oriented observations and suggestions:

- Emphasized the importance of active participation in the **ASM Student Chapter**, as discussed in earlier Academic Council meetings.
- Recommended inclusion of topics such as:
  - Magnets and magnet testing
  - Rare earth minerals
- Suggested opening institutional laboratory facilities to industry and pursuing accreditations such as **QCI, NABL, and ISO/IEC 17025**.
- Expressed willingness to offer **internships to two students**.
- Appreciated the Textile Board presentation and suggested extending **Lean Manufacturing** concepts to Mechanical Engineering.
- Appreciated the proposal for the **MBA Sustainability Management Programme**.
- Emphasized the importance of platforms such as the **Toastmasters Club** for student development.
- Suggested that courses related to **Diversity, Equity, and Inclusion (DEI)** be discussed and reconsidered.

6. Dr. S. Gopinath
UST Global – Industry Expert

Dr. S. Gopinath offered the following suggestions from an industry and technology perspective:

- Recommended that future presentations include details on:
  - Incubators
  - Intellectual Property and Patents
  - Revenue generation and commercialization aspects
- Suggested encouraging students and faculty to actively participate in **Technology Shows and Forums**.
- Recommended introducing **Sensor Technologies** as a minor specialization across departments.
- Suggested inclusion of **Supercomputing and Data Analytics Facilities** in Biotechnology programmes.

Chairman appreciated and thanked all the council members for their valuable feedback and suggestions.

09. Vote of Thanks

Dr.J. Vijay Prakash, Convener, ACM delivered the closing remarks by presenting the structure of the Academic Committee Meeting and deliberations thereof. He formally proposed the vote of thanks, expressing gratitude to all the members of the Academic Council for their valuable contributions and active participation. Special thanks were extended to the Chairman, Correspondent, President, and Principal of the institution for their continued support and vision. Appreciation was also conveyed to the nominees from Anna University, industry experts, and the President of Amity University for their insightful suggestions and presence, which enriched the discussions and outcomes of the 29th Academic Council Meeting.

The meeting came to an end at 1.30 p.m.

Approved by **Signature**

Sl. No.	Name of the Member	Designation & Department	Signature
1.	Dr. M.Ezhilarasi	Principal, Chairman– Academic Council	
Members Nominated by Anna University Chennai			
2	Dr. M. Krishnaveni (Online)	Professor, Department of Civil Engineering CEG Campus Anna University, Chennai – 600 025 Phone: 044 22357506 Mobile : 98402 02974 E Mail : mkveni@annauniv.edu	(M.KRISHNAVENI)
3.	Dr. G. B. Bhaskar	Professor, Department of Production Technology MIT Campus Anna University, Chennai – 600 044. Phone: 044 22516154 Mobile : 94441 40339 E Mail : drgbbhaskat@mitindia.edu	
4	Dr. A. Arunya Revathi	Professor, Department of EEE., Alagappa Chettiar Government College of Engineering and Technology, Karaikudi – 630003O Sivagangai, Tamil Nadu. Mobile : 94435 02182 E Mail : arunyarevathi_eee@yahoo.co.in	

Experts nominated by the Governing Body			
5.	Dr. S.Gopinath. (Industry)	Practice Head-ADAS, Automotive CoE, UST Global, Bengaluru, India Mobile : 98451 68026 E Mail : selgopi@gmail.com	
6.	Mr.Manish Bafna (Industry)	Senior Vice President of Technology at RFPIO (now Responsive), Coimbatore Mobile : 90433 4050 E Mail : manish.bafna.82@gmail.com	Not Present
7.	Mr. Shankar Subburathinam (Industry)	Engineering Manager Advanced Materials Technology-India Integrated Components and Solutions Division Caterpillar India Pvt Ltd. Thiruvallur 602 004 Mobile : 99623 52227 E Mail : subburathinam_shankar@cat.com	
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To: All the members