



KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)

(Approved by AICTE| Affiliated to Anna University, Accredited by NBA (CSE, ECE, EEE & Mech) and NAAC)

Namakkal- Trichy Main Road, Thottiam, Tholurpatti, Tiruchirappalli – 621 215.

19th October 2024

Minutes of the Tenth Academic Council Meeting

The Tenth Academic Council meeting was held on 19th October 2024 at 11:30AM in the Board Room (Hybrid Mode). The Chairman of the Academic Council Dr.R.Asokan, Principal welcomed all the members of the council and the Member Secretary Dr.P.Arul proceeded as per the Agenda of the meeting.

Members Present:

S. No	Name of the Member	Category
1	Dr.R.Asokan, Principal, Kongunadu College of Engineering and Technology, Tiruchirappalli.	Chairman
2	Dr.A.Rajeswari, Principal Coimbatore Institute of Technology, Civil Aerodrome Post, Coimbatore – 641 014.	Member– Anna University Nominee
3	Dr. PJA Alphonse, Professor, Department of Computer Applications, National Institute of Technology, Tiruchirappalli – 620 015.	Member– Anna University Nominee
4	Dr.V.Geetha, Professor and Head, Department of Electrical & Electronics Engineering, Government College of Engineering, Salem - Bengaluru Highways, Salem – 636 011.	Member– Anna University Nominee
5	Dr.A.Ranganathan, Assistant Engineer / WRD, Special Project Division, Perundurai – 638052	Expert Member
6	Dr.M.Marikkannan, Associate Professor Department of Computer Science and Engineering, Government College of Engineering, (Formerly IRTT), Erode – 638 316	Expert Member

7	Dr.C.S.Boopathi, Associate Professor, Department of Electrical & Electronics Engineering, SRM Institute of Science and Technology, Kattankulathur, Chennai – 603 203	Expert Member
8	Er.Mugesh Kalaiarasan, Deputy Manager Ford India Pvt Ltd, Chennai.	Expert Member
9	Mr.T.Ashok, Associate Professor / BME	Head of the Department
10	Dr.S.Kavipriya, Professor / Civil	Head of the Department
11	Dr.C.Saravanabhavan, Professor / CSE	Head of the Department
12	Dr.M.Dharmalingam, Professor / ECE	Head of the Department
13	Dr.R.Shankar, Professor / EEE	Head of the Department
14	Dr.D.Jagadeesh, Associate Professor / Mech	Head of the Department
15	Dr.V.Gopinath Associate Professor/AGE	Head of the Department
16	Dr.K.Baskar Associate Professor/AI&DS	Head of the Department
17	Dr.K.Muthumanickam, Professor / IT	Head of the Department
18	Dr.K.Balasubramanian, Professor / S & H	Head of the Department
19	Dr.N.Karthikeyan, Professor / SH	Faculty Member
20	Dr.G.Saravanan, Associate Professor / Mech	Faculty Member
21	Mr.V.Krishnakumar, Assistant Professor / ECE	Faculty Member

22	Mr.M.Sakthivel, Assistant Professor / Civil	Faculty Member
23	Dr.J.Preetha Dean – Academic	IQAC- Coordinator
24	Dr.P.Arul, Professor / EEE & Controller of Examinations	Member Secretary

Item 10.01	To confirm the minutes of Ninth Academic Council meeting held on 23.03.2024
Resolution	Resolved to confirm the Minutes of Ninth Academic Council Meeting
Item 10.02	To review the Admission Status for the Academic Year 2024-25 The sanctioned intake and admitted students details in the UG and PG programmes are presented to the council.
Resolution	Resolved to approve Admission Status for the Academic Year 2024-25.
Item 10.03	To discuss and Approve the Minutes of Board of Studies Meetings A brief summary of all department BoS minutes conducted after the Ninth Academic Council Meeting. • The curriculum for III to VIII semesters and syllabus of III semester of all UG Programmes offered under new regulation R2024 have been discussed and approved • The list of Verticals for Minor Degree common to all UG Programmes have been discussed and approved • Vertical I - Fintech and Block Chain • Vertical II - Entrepreneurship • Vertical III - Public Administration • Vertical IV - Business Data Analytics • Vertical V - Environment and Sustainability • Panel of Examiners for the Examination Activities have been discussed and approved Biomedical Engineering • The Open Elective courses discussed and approved • 24BM501OE - Medical Instruments • 24BM502OE - Food, Nutrition and Health

- 24BM601OE - Traditional Indian Foods
- 24BM602OE - Fundamentals of Cell and Molecular Biology
- The Verticals - Professional Elective Courses approved are
 - Vertical I - Bio Engineering
 - Vertical II - Medical Device Innovation and Development
 - Vertical III - Healthcare Management
 - Vertical IV - Mechanics in Healthcare
 - Vertical V - Signal and Image Processing
 - Vertical VI - Wearable Communication
 - Vertical VII - Advanced Healthcare Devices
- The Value Added Courses approved are
 - VACBM01 - Medical Coding
 - VACBM04 - Biomedical Hardware Training

Civil Engineering

- Member suggested to change the theory with lab embedded course to be changed as separate theory and laboratory course.
 - Water Supply and Waste water Engineering
 - Surveying and levelling
- The members suggested to include the recent edition or reprint in the Text and Reference Books.
- The Verticals - Professional Elective Courses approved are
 - Vertical I - Water Resources
 - Vertical II - Civil Engineering Management
 - Vertical III - Environment
 - Vertical IV - Transportation
 - Vertical V - Structures
 - Vertical VI - Geotechnical
 - Vertical VII - Construction Techniques and Practices
 - Vertical VIII - Diversified Courses

Computer Science and Engineering

- The PG, ME(Computer Science and Engineering) curriculum and syllabus for III & IV Semester offered under new regulation R2024 is approved.
- Valued Added Courses have been approved.
 - VACCS14 – Data Analytics with Python
- The Verticals - Professional Elective Courses approved are
 - Vertical I - Data Science
 - Vertical II - Full Stack Development

- Vertical III - Cloud Computing and Data Centre Technologies
- Vertical IV - Cyber Security and Data Privacy
- Vertical V - Creative Media
- Vertical VI - Emerging Technologies
- Vertical VII - Artificial Intelligence and Machine Learning

Electronics and Communication Engineering

- The PG, ME(Applied Electronics) curriculum and syllabus for III & IV Semester offered under new regulation R2024 is approved.
- Valued Added Courses have been approved.
 - VACEC12: Advanced Embedded System Application and IoT Programming
- NPTEL courses cleared by III and IV year students were appreciated
- The Verticals - Professional Elective Courses approved are
 - Vertical I - Electronics Design
 - Vertical II - Sensor Technologies & IoT
 - Vertical III - Signal and Image Processing
 - Vertical IV - Bio Medical Technologies
 - Vertical V - Communication & Networks
 - Vertical VI - Embedded Systems
 - Vertical VII - Chip design and Testing
 - Vertical VIII - Diversified Courses
- The Open Elective courses discussed and approved are
 - 24EC501OE - Applied Electronics
 - 24EC502OE - Introduction to Industrial Automation Systems
 - 24EC601OE - Principles of Signals, Systems & Communications
 - 24EC602OE - Fundamentals of Image Processing

Electrical and Electronics Engineering

- The course offered to other departments (R2024) are discussed and approved
 - 24EE304 - Electrical Machines and Controls
- Valued Added Courses have been approved.
 - VACEC16 - MBD Application in Power Systems
- The Verticals - Professional Elective Courses approved are
 - Vertical I - Power Engineering
 - Vertical II - Power Electronics and Drives
 - Vertical III - Embedded Systems
 - Vertical IV - Electric Vehicle Technology
 - Vertical V - Artificial Intelligence for Electrical Engineering
 - Vertical VI - Energy Engineering

- Vertical VII - Diversified Courses
- Vertical VIII - Electrical Engineering (for Other Branches)
- The Open Elective courses discussed and approved are
 - 24EE501OE - Power Generation Systems
 - 24EE502OE - Electrical Wiring and Lighting
 - 24EE503OE - Energy Conservation and Management
 - 24EE601OE - E-Waste Management
 - 24EE602OE - Electrical Instruments and Measurements

Mechanical Engineering

- NPTEL Equivalent Courses ID – Revision have been approved
- The Verticals - Professional Elective Courses approved are
 - Vertical I - Thermal Power Engineering
 - Vertical II - Design Systems and Development
 - Vertical III - Advanced Manufacturing
 - Vertical IV - Materials Engineering
 - Vertical V - Industrial Engineering
 - Vertical VI - Robotics and Automation
 - Vertical VII - Management and Administrations
 - Vertical VIII - Diversified Courses
- The Open Elective courses discussed and approved are
 - 24ME501OE - Production Technology
 - 24ME502OE - Alternative Energy Fuels
 - 24ME601OE - Basics of Automotive Components
 - 24ME602OE - Unconventional Machining Processes

Artificial Intelligence and Data Science

- Valued Added Courses have been approved.
 - VACAD03 – Core Java
- The Verticals - Professional Elective Courses approved are
 - Vertical I - Intelligent Systems and Analytics
 - Vertical II - Full Stack Development for IT
 - Vertical III - Cloud Computing and Data Centre Technology
 - Vertical IV - Cyber Security and Data Privacy
 - Vertical V - Creative Media
 - Vertical VI - Emerging Technologies
 - Vertical VII - Computational Intelligence
- The Open Elective courses discussed and approved are
 - 24AD501OE - Introduction to Artificial Intelligence
 - 24AD502OE - Introduction to Data Science
 - 24AD601OE - Basics of Visualization Tools
 - 24AD602OE - Foundations of Machine Learning

Agricultural Engineering

- The NPTEL courses as Professional Elective Courses opted in different Verticals were discussed.
- The Verticals - Professional Elective Courses approved are
 - Vertical I - Food and Agricultural Processing
 - Vertical II - Farm Machinery
 - Vertical III - Water Conservation Engineering
 - Vertical IV - Renewable Energy Engineering
 - Vertical V - Smart Agriculture Systems
 - Vertical VI - Agricultural Business and Entrepreneurship
 - Vertical VII - Crop Production
- The Open Elective courses discussed and approved are
 - 24AG501OE - Basics of Agricultural Engineering
 - 24AG502OE - Introduction to Organic Farming
 - 24AG601OE - Basics of Farm Machinery
 - 24AG602OE - Introduction to Green House Technology

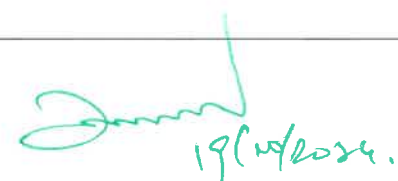
Science and Humanities

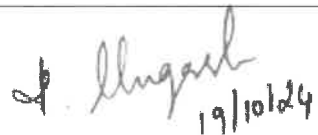
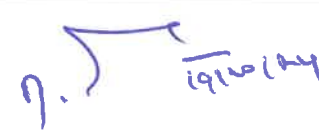
- The syllabus of English courses offered to UG Programmes in III, IV, V & VI Semesters were discussed and approved.
 - 24EEC301L - Soft Skills Development
 - 24EEC401L - Life Skills and Personality Development
 - 24EEC501L - Professional Skills Development
 - 24EEC601L - Employability Skills
- The syllabus of Mathematics courses opted to UG Programme in III, IV & VI Semesters were discussed and approved.
 - Third Semester
 - 24MA301 - Discrete Mathematics
 - 24MA302 - Probability and Mathematical Techniques
 - 24MA303 - Transforms and Partial Differential Equations
 - Fourth Semester
 - 24MA401 - Numerical Methods
 - 24MA402 - Probability and Random Processes
 - 24MA403 - Probability and Statistics
 - 24MA404 - Probability, Statistics and Queuing Theory
 - 24MA405 - Statistics and Numerical Methods
 - Sixth Semester
 - 24OE601-Quantitative and Reasoning Aptitude-Open Elective
- **Mandatory courses** for UG Programmes in Fourth semester were approved
 - 24MC003 - Constitution of India

Resolution	Resolved to Approve the minutes of the Board of Studies meetings.
Item 10.04	To review the Academic Performance of students The end semester examination results of 2023-24/Even Semester are presented to the council.
Resolution	Noted and recorded the Academic Performance of students.
Item 10.05	To Approve the Academic Calendar for the UG and PG Programmes for the Academic Year 2024-2025/Odd Semester.
Resolution	Resolved to approve the Academic Calendar for both UG and PG Programmes for the Academic Year 2024-2025/Odd Semester.
Item 10.06	To review the Co-curricular and Extra Curricular Activities of students The details of Club activities, Value Added Courses, Internship as part of Co-curricular activities was presented to the council members. • Students Participation – Co-curricular activities: ▪ Students have won prizes in Paper Presentation / Project / Technical Event / Seminar / Workshop / Competitions, ▪ Value Added courses Attended, Internships, NPTEL Certifications • Students Participation – Extra-curricular activities: Students have actively participated in the activities organized/conducted Anna University Zonal outdoor games like Football, Kabaddi, Badminton, Cricket, Basketball, Volleyball, Table Tennis & Tennis and Anna University Inter Zonal Athlete events.
Resolution	The council noted and recorded the achievements
Item 10.07	To review the Professional Enrichment Activities – Publications / FDP / STTP / Conference / Workshop / Seminar / NPTEL for 2023-24/Even Semester. The department wise details of Faculty Publications, Incentives for the articles published in SCI/SCIE indexed journals, Conferences, Workshops, Seminars, FDP, STTP and NPTEL courses attended by faculty members was presented to the council members
Resolution	The members noted and recorded the achievements
Item 10.08	To review the Sponsored Research and Patent Details for 2023-24/Even Semester. The Sponsored Research, and Patents filed during 2023-24/Even Semester was presented to the council members.

	• Sponsored Research: • Sanctioned funds worth Rs.6,06,000/= from various funding agencies were received during the Academic Year 2023-2024. • Patents filed: 24 Patents were filed and 6 Patents were granted during the Academic Year 2023-2024.
Resolution	The council noted and recorded the achievements
Item 10.09	Industrial Collaborations MoU signed with the industries in the departments were presented to the council members
Resolution	The council noted and recorded the activities.
Item 10.10	Other discussion
	• Member suggested to pay special attention for the low cut-off admitted students • Member asked to encourage the Pre Final Year and Final Year students to do internship in reputed industries and startups so that this would open up Job opportunities with high salary package • The council suggested to increase the number of hours given for completing the syllabus before the Internal Assessment I for the First Year students • Council has recommended to educate the students about the Blooms Taxonomy, so that they may improve the understanding level of the courses and prepare them accordingly • Member suggested to utilize the Vertical for expertising in a special domain for proceeding into a PG and Ph.D programmes. • The council suggested to look into the Syllabus of GATE while working on the Curriculum and Syllabus during the revision of regulation • Member appreciated the Quality checking process of Internal Question Papers • The council appreciated the No. of Prizes won by the students in the Co-Curricular and Extra Curricular activities • Member suggested to start clubs such as Coding Club, Aqua Club for attracting the students to do more activities through it

Finally the meeting was concluded with a Vote of Thanks by Dr P Arul, Controller of Examinations/Member Secretary – Academic Council.

S. No	Name of the Member	Signature
1.	Dr.R.Asokan, Chairman	 19/10/24
2.	Dr.A.Rajeswari, Member– Anna University Nominee (ON LINE)	 22/10/2024
3.	Dr. PJA Alphonse, Member - Anna University Nominee	 19/10/2024
4.	Dr.V.Geetha, Member - Anna University Nominee	 19/10/24
5.	Dr.A.Ranganathan, Expert Member	 19/10/2024.
6.	Dr.M.Marikkannan, Expert Member	 19/10/24
7.	Dr.C.S.Boopathi, Expert Member	 19/10/2024.

8.	Er.Mugesh Kalaiarasan, Expert Member	 19/10/24
9.	Mr.T.Ashok HoD/ BME	 19/10/24
10.	Dr.S.Kavipriya HoD/ Civil	 19/10/24
11.	Dr.C.Saravanabhavan HoD/ CSE	 19/10/24
12.	Dr.M.Dharmalingam HoD / ECE	 19/10/24
13.	Dr.R.Shankar HoD/ EEE	 19/10/24
14.	Dr.D.Jagadeesh HoD/ Mech.	 19/10/24
15	Dr.V.Gopinath HoD/ AGE	 19/10/24
16.	Dr.K.Baskar HoD/ AI&DS	 19/10/24

17.	Dr.K.Muthumanickam HoD/ IT	 19/10/24
18.	Dr.K.Balasubramanian HoD/ S&H	 19/10/24
19.	Dr.N.Karthikeyan Professor / S&H	 19/10/24
20.	Dr.G.Saravanan Associate Professor / Mech.	 19/10/24
21.	Mr.V.Krishnakumar Assistant Professor / ECE	 19/10/2024
22.	Mr.M.Sakthivel Assistant Professor / Civil	 19/10/2024
23.	Dr.J.Preetha Dean – Academics & IQAC- Coordinator	 19/10/24
24.	Dr.P.Arul, Professor / EEE, CoE & Member Secretary	 19/10/24.


Chairman
Academic Council