KPR Institute of Engineering and Technology (Autonomous)

KPRIET
Learn Beyond

13th ACADEMIC COUNCIL

MINUTES OF THE MEETING

Venue: The Legend, Imperial Hall, KPRIET (Hybrid Mode)

Date: 08 December 2025

Time: 10.45 am

Meeting ID: https://zoom.us/j/98519253181?pwd=8Prm1cBfVPEuTRCQ3YyDhKuXDBOLm6.1

Members Present:

S. No	Name of the member	Category	Signature
1.	**Dr. R. Devi Priya**, Principal	Chairman	8/12/25
2.	**Dr. K. Udayakumar** Professor Department Electrical and Electronics Engineering Anna University, Chennai	Anna University Nominee	08/12/25
3.	**Dr. J. Jancirani** Professor, Department of Production Technology, MIT Campus Anna University, Chennai	Anna University Nominee	ONLINE
4.	**Dr. M. R. Sumalatha** Professor & Head Department of Information Technology, MIT Campus Anna University, Chennai	Anna University Nominee	ONLINE
5.	**Dr. Vijay Natarajan** Department of Computer Science and Automation, Indian Institute of Science, Bangalore	Academic Expert	ONLINE
6.	**Mr. S. Parthasarathy** Chief Programme Officer - Executive Education, IIMB, Bengaluru	Academic Expert	ONLINE
7.	**Dr. A. M. Natarajan** Chief executive	Academic Expert	
8	**Mr. R. Purushothaman** Global Workforce Planning Visteon, Coimbatore	Industry Expert	
9	**Mr. V. NatarajaPerumal** Global Reward Operations Director Human Resources, Haleon Global Capability Centre, Bengaluru	Industry Expert	ONLINE

10	**Mr. Barathan Kuppusamy** Founder & CEO Ozotec Automobile Pvt Ltd. Coimbatore	Industry Expert	
11.	**Mr. P. Kiruthic** (2018 – 2022 Batch - EE) Member Technical Staff, Zoho Corporation, Coimbatore	Alumni (Special Invitee)	8/12/25
12.	Dr. N. Saranya Assistant Professor III & HoDi/c Artificial Intelligence and Data Science	Member	8/12/25
13.	Dr. K S Tamilselvan Professor & HoD Biomedical Engineering	Member	8/12/2025
14.	Dr. S. Balasubramanian Professor & HoD Chemical Engineering	Member	8/12/2025
15.	Dr. K. S. Elango Associate Professor & HoDi/c Civil Engineering	Member	8/12/2025
16.	Dr. A. Bazila Banu Professor & HoD Computer Science and Business Systems	Member	8/12/2025
17.	Dr. R. Devipriya Professor & HoD Computer Science and Engineering	Member	8/12/25
18.	Mr. G. Pandiya Rajan Assistant Professor III & HoDi/c Computer Science and Engineering (AI&ML)	Member	08/12/25
19.	Dr. Satinder Kaur Associate Professor & HoD Computer Science and Engineering (Cyber Security)	Member	—
20.	Dr. M. Kathirvelu Professor & HoD Electronics and Communication Engineering	Member	8/12
21.	Dr. K. Mohanasundaram Professor & HoD Electrical and Electronics Engineering	Member	8/12/25

22.	Dr. R. Menaha Professor & HoD Information Technology	Member	8/12/25
23.	Dr. S. Ramesh Babu Professor & HoD Mechanical Engineering	Member	8/12/25
24.	Dr. M. Kumar Associate Professor & HoDi/c Mechatronics Engineering	Member	8/12/25
25.	Ms. S. Dhivya Director Master of Business Administration	Member	08/12/25
26.	Dr. K. Karthikeyan Professor & HoD, Mathematics	Member	8/12/25
27.	Dr. E. Ranjith Kumar Professor & HoD, Physics	Member	8.12.25
28.	Dr. M.S. Karthikeyan Professor & HoD, Chemistry	Member	8/12/25
29.	Dr. T. Jayasudha Assistant Professor (Sl.G) & HoD English	Member	
30.	Dr. G. Anusha Vice Principal, KPRIET	Senior Faculty	8/12/25
31.	Dr. R. Manjula devi Professor, Computer Science and Engineering	Senior Faculty	ABSENT
32.	Dr. R. Maheswar Professor, Electronics and Communication Engineering	Senior Faculty	8/12/25
33.	Dr. B. Arulmurugan Associate Professor Mechanical Engineering	Senior Faculty	ABSENT
34.	Dr. T. Primya Assistant Professor (III) Computer Science and Engineering	Senior Faculty	8/12/25
35.	Dr. B. Nagarajan Professor, Artificial Intelligence and Data Science	Controller of Examinations(i/c)	8/12/25
36.	Dr. A. Balamurugan Head Centre for Academic Courses	Member Secretary	8.12.2025

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Minutes of the 13th Academic Council Meeting held on 08.12.2025:

Welcome address was delivered by the Chairperson of Academic Council and outlined the various agenda points to be presented in the meeting. The Institute Vision and Mission were disseminated.

The Chairperson of Academic Council requested the Head, Centre for Academic Courses to move the following agenda items.

1. Confirmation of the minutes of 12th Academic Council Meeting:

The Academic council members confirmed the minutes of 12th academic council meeting held on 14.06.2025.

2. Action taken on the minutes of the 12th Academic Council Meeting:

The minutes of the 12th Academic Council Meeting and the action taken thereon were approved.

(i). Suggested award of credits for Tamil language courses offered to international students:

All international students, are now formally provided with credits for Tamil language courses.

(ii). Suggested securing sponsorships to support students participating in hackathons:

As per the existing Student Incentive Policy, sponsorship and incentives are already being provided to students who secure prizes or significant achievements in hackathons.

(iii). Introduction of a merit-based scholarship category specifically for girl students was suggested

It is noted that 48% of girl students have already received the KPR Merit Scholarship for the Academic Year 2025–26, indicating substantial representation and support, whereas there is no exclusive category created.

(iv). Members emphasized the need for a dedicated support system for faculty development.

An exclusive Centre for Staff Development is functioning at the Institute level to disseminate information, support faculty requirements, and monitor outcomes related to capacity-building initiatives.

3. Presentation by Chairpersons of various Board of Studies

Board of Studies meeting was conducted for various programmes in hybrid mode as mentioned below:

Sl. No	Name of the Board	Meeting Number	Date of the meeting
1	Artificial Intelligence and Data Science	12	21.11.2025
2	Biomedical Engineering	13	21.11.2025

3	Chemical Engineering	13	21.11.2025
4	Civil Engineering	14	21.11.2025
5	Computer Science and Business Systems	08	21.11.2025
6	Computer Science and Engineering	14	21.11.2025
7	Computer Science and Engineering (AI & ML)	08	21.11.2025
8	Computer Science and Engineering (Cyber Security)	02	21.11.2025
9	Electronics and Communication Engineering	14	21.11.2025
10	Electrical and Electronics Engineering	13	25.11.2025
11	Information Technology	08	21.11.2025
12	Mechanical Engineering	14	19.11.2025
13	Mechatronics Engineering	08	19.11.2025
14	Science and Humanities	13	17.11.2025
15	Master of Business Administration	03	25.11.2025

The 13th Standing Committee Meeting was held on 05.12.2025 at Daffodil. The Standing Committee reviewed the recommendations of the above Boards of Studies presented by the respective chairperson and forwarded the same to the academic council for approval.

Chairpersons of various boards presented the following recommendations:

Dr. N. Saranya, Chairperson, Artificial Intelligence and Data Science moved the following items based on the decision of the Board of Studies in Artificial Intelligence and Data Science.

a. TO CONSIDER AND APPROVE THE CURRICULUM AND SYLLABUS OF III AND IV SEMESTERS OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2025

   RESOLVED TO APPROVE the Curriculum and syllabus of III and IV semesters of UG degree programme to be offered under R-2025.

   B.Tech. Artificial Intelligence and Data Science – Curriculum Syllabus

b. TO CONSIDER AND APPROVE THE BOARD'S RECOMMENDATIONS FOR UG PROGRAMME

   RESOLVED TO APPROVE

1. The inclusion of the following Open Elective Courses in IV Semester under Regulations 2025
    - U25ADX01- Data Visualization
2. The inclusion of the following Industry offered One Credit course under Regulations 2021
    - U21OAD09 - Industrial Automation
    - U21OAD10 - Web 3.0 and Smart Contracts
3. The inclusion of the following NPTEL Courses under Regulations 2021 / 2025
    - noc26-cs04 - Neural Networks for Computer Vision and Natural Language Processing
    - noc26-cs38 - Introduction To Industry 4.0 And Industrial Internet Of Things
    - noc26-cs41 - Foundations of Cyber Physical Systems
    - noc26-cs43 - GPU Architectures and Programming
    - noc26-cs45 - Natural Language Processing
    - noc26-cs52 - Programming in Modern C++
    - noc26-cs61 - Affective Computing
    - noc26-cs63 - Artificial Intelligence: Knowledge Representation And Reasoning
    - noc26-cs64 - Business Intelligence & Analytics
    - noc26-cs86 - Data Analytics with Python
    - noc26-cs88 - Introduction to Large Language Models (LLMs)

Dr. K. S. Tamilselvan, Chairperson, Biomedical Engineering moved the following items based on the decision of the Board of Studies in Biomedical Engineering.

a. TO CONSIDER AND APPROVE THE CURRICULUM AND SYLLABUS OF III AND IV SEMESTERS OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2025

RESOLVED TO APPROVE the Curriculum and syllabus of III and IV semesters of UG degree programme to be offered under R-2025.

B.E. Biomedical Engineering – Curriculum and Syllabus

b. TO CONSIDER AND APPROVE THE BOARD'S RECOMMENDATIONS FOR UG PROGRAMME

RESOLVED TO APPROVE

1. The inclusion of U25BMX01 - Biomedical Data Analysis as Open Elective Course under Regulations 2025

2. The inclusion of the following Capsule Courses under Regulations 2025
    - U25CPG01- Software Prototyping for Medical App Development
    - U25CPG02- Intelligent Medical Systems

3. The inclusion of U21OBM09 – Software Tools for Biomedical Engineers as industry offered One Credit Course under Regulations 2021

4. The inclusion of the following NPTEL Courses under Regulations 2021 / 2025
    - noc26-bt01 - Healthcare Entrepreneurship
    - noc26-bt03 - Mass Spectrometry and its application in Molecular Medicine

- noc26-bt05 - Polymeric Biomaterials: Structure, Properties, Function and Performance
- noc26-bt09 - Microsensors, Implantable Devices and Rodent Surgeries for Biomedical Applications
- noc26-bt34 - Bioinformatics: Algorithms and Applications
- noc26-bt38 - Classics in Neuroscience
- noc26-bt40 - Computational Systems Biology

Dr. S. Balasubramanian, Chairperson, Chemical Engineering moved the following items based on the decision of the Board of Studies in Chemical Engineering.

a. TO CONSIDER AND APPROVE THE CURRICULUM AND SYLLABUS OF III AND IV SEMESTERS OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2025

RESOLVED TO APPROVE the Curriculum and syllabus of III and IV semesters of UG degree programme to be offered under R-2025.

B.E. Chemical Engineering – Curriculum and Syllabus

b. TO CONSIDER AND APPROVE THE BOARD'S RECOMMENDATIONS FOR UG PROGRAMME

RESOLVED TO APPROVE

1. The Inclusion of U25CHX01- Process Simulation of Industrial Systems as Open Elective Course under Regulations 2025.
2. The Inclusion of the following NPTEL Courses under Regulations 2021 / 2025
    - noc26-bt05- Polymeric Biomaterials: Structure, Properties, Function and Performance
    - noc26-ch04 - Fundamental of Carbon Capture, Utilization and Storage
    - noc26-ch15 - Applied Statistical Thermodynamics
    - noc26-ch17 - Aspen Plus® Simulation Software - An Advanced Course for Learners
    - noc26-ch40 - Environmental Quality Monitoring & Analysis
    - noc26-ch50 - Physico-chemical Processes for Wastewater Treatment
    - noc26-ch21 - Computer Aided Applied Single Objective Optimization
    - noc26-ch26 - Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems
    - noc26-ch28 - Methods of Adhesion Measurement for Pressure Sensitive Adhesives: Theory and Practice
    - noc26-ch42 - Matlab Programming for Numerical Computation
    - noc26-ch46 - Advanced Thermodynamics and Molecular Simulations
    - noc26-ch47 - Polymer Reaction Engineering

Dr. K.S. Elango, Chairperson, Civil Engineering moved the following items based on the decision of the Board of Studies in Civil Engineering.

a. TO CONSIDER AND APPROVE THE CURRICULUM AND SYLLABUS OF III AND IV SEMESTERS OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2025

RESOLVED TO APPROVE the Curriculum and syllabus of III and IV semesters of UG degree programme to be offered under R-2025.

B.E. Civil Engineering – Curriculum and Syllabus

b. TO CONSIDER AND APPROVE THE BOARD'S RECOMMENDATIONS FOR UG PROGRAMME

RESOLVED TO APPROVE

1. The Inclusion of U25CEX01 - Smart City Systems and Infrastructure Planning as Open Elective Course under Regulations 2025

2. The Inclusion of the following MCC under Regulations 2025

- U25MCC08 - Sustainable Engineering
- U25MCC09 - ESG and Business Sustainability

3. The Inclusion of the following courses under the Construction Management Professional Elective Vertical under Regulations 2021

- U21CEP48 - Construction Contracts and Specification
- U21CEP49 - Construction Quality and Safety Management
- U21CEP50 - Quantitative Methods in Construction Management
- U21CEP51 - Construction Economics and Finance Management
- U21CEP52 - MS PROJECT and PRIMAVERA for Construction Project

4. The Inclusion of U21OCE15 - Innovation and Advances in Special Concrete and Mix Design as One Credit Course under Regulations 2021

5. The Inclusion of the following NPTEL Courses Under Regulations 2021 / 2025
   - noc25_ce86 - Remote Sensing: Principles and Applications
   - ID5011 - A hybrid course on water quality – An Approach to people's water data
   - noc25_ce93 - Admixtures and Special Concrete

Dr. A. Bazila Banu, Chairperson, Computer Science and Business Systems moved the following items based on the decision of the Board of Studies in Computer Science and Business Systems.

a. TO CONSIDER AND APPROVE THE CURRICULUM AND SYLLABUS OF III AND IV SEMESTERS OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2025

RESOLVED TO APPROVE the Curriculum and syllabus of III and IV semesters of UG degree programme to be offered under R-2025.

B.Tech. Computer Science and Business Systems – Curriculum and Syllabus

b. TO CONSIDER AND APPROVE THE BOARD'S RECOMMENDATIONS FOR UG PROGRAMME

RESOLVED TO APPROVE

1.The Inclusion of U25CBX01 - Digital Marketing as Open Elective Course under Regulations 2025

2.The Inclusion of the following industry offered One Credit Courses under Regulations 2025

- U25OCB01- AI for Web Development
- U25OCB02 - AI for Prompt Engineering
- U25OCB03 - Google Firebase and MIT based IOT Applications
- U25OCB04 - Docker on Linux

6. The Inclusion of the following NPTEL Courses under Regulations 2021 / 2025
   - noc26-cs34 - Blockchain and its Applications
   - noc26-ge30 - Entrepreneurship Essentials
   - noc26-cs45 - Natural Language Processing
   - noc26-mg12 - Supply Chain Digitization

5. The Inclusion of U21VCB04 - AI and Disaster Management as Value-added course under Regulations 2021

Dr. R. Devi Priya, Chairperson, Computer Science and Engineering moved the following items based on the decision of the Board of Studies in Computer Science and Engineering.

a. TO CONSIDER AND APPROVE THE CURRICULUM AND SYLLABUS OF III AND IV SEMESTERS OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2025

RESOLVED TO APPROVE the Curriculum and syllabus of III and IV semesters of UG degree programme to be offered under R-2025.

B.E. Computer Science and Engineering – Curriculum and Syllabus

b. TO CONSIDER AND APPROVE THE BOARD'S RECOMMENDATIONS FOR UG PROGRAMME

RESOLVED TO APPROVE

1. Inclusion of U25CSX01 - Programming with C++ as Open Elective Course under Regulations 2025.

2. Inclusion of U21MDG90 - Minor Project under Software Development Engineering - Minor Degree vertical under the Regulations 2021

3. Inclusion of the following Industry offered One Credit Courses under Regulations 2021
   - U21OCS31 – Game Design Studio
   - U21OCS32 - Product Security Engineering: From Secure Coding to Quantum Readiness
   - U21OCS33 - Cloud-Native DevOps with Docker and Kubernetes
   - U21OCS34 - Digital Defence
   - U21OCS35 - Salesforce Essentials for Business Applications
   - U21OCS36 - AI Essentials for Business & Innovation
   - U21OCS37 - Innovation Through Engineering Thinking
   - U21OCS38 - Hyperledger Essentials for Enterprise Applications

4. Inclusion of U21VCS12 - Natural Language Processing Foundation Models for Generative AI as Value-Added Courses under Regulations 2021

5. Inclusion of the following NPTEL Courses under Regulations 2021 / 2025
   - noc26-cs04 - Neural Networks for Computer Vision and Natural Language Processing
   - noc26-cs07 - Exploratory Data Analysis for Data Science with R Software (English)
   - noc26-cs22 - Introduction to Embedded System Design
   - noc26-cs14 - Data Mining for Decision Making
   - noc26-cs13 - Introduction to Information Retrieval
   - noc26-cs52 - Programming in Modern C++
   - noc26-cs88 - Introduction to Large Language Models (LLMs)
   - noc26-cs20 - Time Series Modelling and Forecasting with Applications in R
   - noc26-cs41 - Foundations of Cyber Physical Systems

Mr. G. Pandiya Rajan, Chairperson, CSE (Artificial Intelligence and Machine Learning) moved the following items based on the decision of the Board of Studies in CSE (Artificial Intelligence and Machine Learning).

a. TO CONSIDER AND APPROVE THE CURRICULUM AND SYLLABUS OF III AND IV SEMESTERS OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2025

   RESOLVED TO APPROVE the Curriculum and syllabus of III and IV semesters of UG degree programme to be offered under R-2025.

   B. E. CSE (Artificial Intelligence and Machine Learning)– Curriculum and Syllabus

b. TO CONSIDER AND APPROVE THE BOARD'S RECOMMENDATIONS FOR UG PROGRAMME

   RESOLVED TO APPROVE

1. Inclusion of U25AMX01 - Digital Skills for AIML Applications as Open Elective Course under Regulations 2025

2. Inclusion of the following Industry Offered One Credit Courses under Regulations 2021

- U21OAM13 - Quantum Machine Learning Essentials
- U21OAM14 - Graph Neural Networks

3. Inclusion of the following Value-Added Courses under Regulations 2021- UG Programme
- U21VAM11 -Machine Learning Operations with Cloud
- U21VAM12 - Advanced Computer Vision Techniques

Dr. V. Vishnukumar, professor, Computer Science and Engineering moved the following items based on the decision of the Board of Studies in Computer Science and Engineering (Cyber Security).

a. TO CONSIDER AND APPROVE THE CURRICULUM AND SYLLABUS OF III AND IV SEMESTERS OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2025

RESOLVED TO APPROVE the Curriculum and syllabus of III and IV semesters of UG degree programme to be offered under R-2025.

B.E. Chairperson, Computer Science and Engineering (Cyber Security) – Curriculum and Syllabus

b. TO CONSIDER AND APPROVE THE BOARD'S RECOMMENDATIONS FOR UG PROGRAMME

RESOLVED TO APPROVE

1. Inclusion of U25SCX01 - Digital Forensics as Open Elective Course under Regulations 2025.

Dr. M. Kathirvelu, Chairperson, Electronics and Communication Engineering moved the following items based on the decision of the Board of Studies in Electronics and Communication Engineering.

a. TO CONSIDER AND APPROVE THE CURRICULUM AND SYLLABUS OF III AND IV SEMESTERS OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2025

RESOLVED TO APPROVE the Curriculum and syllabus of III and IV semesters of UG degree programme to be offered under R-2025.

B.E. Electronics and Communication Engineering – Curriculum and Syllabus

b. TO CONSIDER AND APPROVE THE BOARD'S RECOMMENDATIONS FOR UG PROGRAMME

RESOLVED TO APPROVE

1. Inclusion of U25EC201 - Circuit Analysis as Core Course in semester II instead of semester III under Regulations 2025

2. Inclusion of U25ECX01 - PCB Design and Fabrication as Open Elective Course under Regulations 2025

3. Inclusion of the following Mandatory Credit Courses under Regulations 2025
   - U25MCC10 - Research Manuscript Writing
   - U25MCC11 - Ethical Research Practices

4. Inclusion of U21MDG85 - Systems Programming using C under Minor Degree vertical - Firmware Technology under Regulations 2021

5. Inclusion of the following Industry Offered One Credit Courses under Regulations 2021
   - U21OEC19 - QNX OS Architecture
   - U21OEC20 - QNX Real-Time Programming
   - U21OEC21 - QNX Embedded Systems Development

6. Inclusion of the following Capsule Courses under Regulations 2021
   - U21CPG38 - Electromagnetic Modelling and Simulation
   - U21CPG39 - Data Analysis and Visualization using Simulation tool

Dr. K. Mohana Sundaram, Chairperson, Electrical and Electronics Engineering moved the following items based on the decision of the Board of Studies in Electrical and Electronics Engineering.

a. TO CONSIDER AND APPROVE THE CURRICULUM AND SYLLABUS OF III AND IV SEMESTERS OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2025

   RESOLVED TO APPROVE the Curriculum and syllabus of III and IV semesters of UG degree programme to be offered under R-2025.

   B.E. Electrical and Electronics Engineering – Curriculum and Syllabus

b. TO CONSIDER AND APPROVE THE BOARD'S RECOMMENDATIONS FOR UG PROGRAMME

   RESOLVED TO APPROVE

   1. Inclusion of the U25EEX01 - Automation using PLC and SCADA as Open Elective course under Regulations R2025

   2. Inclusion of U25EEG04 - Motor Drives and Control to III Semester Mechanical Engineering students under Regulations R2025

3. Inclusion of U21CPG40 - Digital Twins for Smart Systems as Capsule Course under Regulations 2021

4. Inclusion of following Value-Added Courses under Regulations 2021

    - U21VEE03 - Simulation Software for Electrical Engineers
    - U21VEE04 - HDL Programming

5. Inclusion of the following Industry Offered one credit courses under Regulations 2021

    - U21OEE09 - Pump Construction, Testing and Troubleshooting
    - U21OEE10 - Solar Plant Design and Energy Estimation Using PVsyst

6. Inclusion of the following NPTEL course under Regulations 2021 / 2025

    - noc26_ee86 - Semiconductor Devices for Next Generation field Effect Transistors (more than Moore): A Physics Perspective
    - noc26_ee90 - VLSI Physical Design with Timing Analysis
    - noc26_cs63- Artificial Intelligence: Knowledge Representation And Reasoning
    - noc26_de14 - Strategies for Sustainable Design
    - noc26_cs20 - Time Series Modelling and Forecasting with Applications in R
    - noc26_cs038 - Introduction To Industry 4.0 And Industrial Internet Of Things
    - noc26_ee42 - EMI /EMC and Signal Integrity: Principles, Techniques and Applications
    - noc26_cs41 - Foundations of Cyber Physical Systems
    - noc26_ch26 - Renewable Energy Engineering: Solar, Wind And Biomass Energy Systems

Dr. R. Menaha, Chairperson, Information Technology moved the following items based on the decision of the Board of Studies in Information Technology.

a. TO CONSIDER AND APPROVE THE CURRICULUM AND SYLLABUS OF III AND IV SEMESTERS OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2025

RESOLVED TO APPROVE the Curriculum and syllabus of III and IV semesters of UG degree programme to be offered under R-2025.

B.Tech. Information Technology – Curriculum and Syllabus

b. TO CONSIDER AND APPROVE THE BOARD'S RECOMMENDATIONS FOR UG PROGRAMME

RESOLVED TO APPROVE

1. Inclusion of U25ITX01 - Web development Using Python as Open Elective course under Regulations 2025

2. Inclusion of the following Industry Offered One Credit Courses under Regulations 2025

- U25OIT01 - Unity for 2D and 3D Game Development
- U25OIT02 - Data Analytics using PowerBI and Tableau
- U25OIT03 - Enterprise Blockchain Solutions Development
- U25OIT04 - Applied Quantum Computing for Industry 4.0

3. Inclusion of U21OIT05 - Web Application Development using MERN Stack as Industry offered One Credit Course under Regulations 2021

4. Inclusion of the following NPTEL Courses under Regulations 2021 and 2025

- noc26-cs07 - Exploratory Data Analysis for Data Science with R Software
- noc26-cs10 - Information Systems
- noc26-cs64 - Business Intelligence & Analytics
- noc26-cs88 - Introduction to Large Language Models (LLMs)
- noc26-cs09 - Statistical Foundation for Big Data Analysis

Dr. S. Ramesh Babu, Chairperson, Mechanical Engineering moved the following items based on the decision of the Board of Studies in Mechanical Engineering.

a. TO CONSIDER AND APPROVE THE CURRICULUM AND SYLLABUS OF III AND IV SEMESTERS OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2025

RESOLVED TO APPROVE the Curriculum and syllabus of III and IV semesters of UG degree programme to be offered under R-2025.

B.E. Mechanical Engineering – Curriculum and Syllabus

c. TO CONSIDER AND APPROVE THE BOARD'S RECOMMENDATIONS FOR UG PROGRAMME

RESOLVED TO APPROVE

1. Inclusion of U25MEX01 - Additive Manufacturing and 3D Printing as Open Elective course under Regulations R2025

2. Inclusion of the following Mandatory Credit Courses under Regulations 2025
   - U25MCC12 - Pitch Deck for Startup
   - U25MCC13 - Innovation for Enterprise

3. Inclusion of U21GEX07 - Vertical Transportation Systems as Open Elective course under Regulations R2021

5. Inclusion of the following NPTEL Courses Under Regulations 2021 / 2025

- noc26-me04 - Advanced Measurement Techniques in Fluid Mechanics and Heat Transfer

- noc26-me06 - Dynamics and Control of Mechanical Systems
- noc26-me101- Autotronics
- noc26-me14 - Experimental Stress Analysis
- noc26-me18 - FEM of Welding Processes
- noc26-me34 - Advanced Robotics
- noc26-me42 - Elements of Solar Energy Conversion
- noc26-me45 - Advanced Machining Processes
- noc26-me51 - Industrial Hydraulics and Automation
- noc26-me96 - Finite Element Method in Thermal Engineering
- noc26-mm14 - Advances in Additive Manufacturing of Materials: Current status and Emerging Opportunities

Dr. M. Kumar, Chairperson, Mechatronics Engineering moved the following items based on the decision of the Board of Studies in Mechatronics Engineering.

a. TO CONSIDER AND APPROVE THE CURRICULUM AND SYLLABUS OF III AND IV SEMESTERS OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2025

RESOLVED TO APPROVE the Curriculum and syllabus of III and IV semesters of UG degree programme to be offered under R-2025.

B.E. Mechatronics Engineering – Curriculum and Syllabus

b. TO CONSIDER AND APPROVE THE BOARD'S RECOMMENDATIONS FOR UG PROGRAMME

RESOLVED TO APPROVE

1. Inclusion of U25MIX01 - Modern Robotics as Open Elective Course under the Regulations 2025

2. Inclusion of the following NPTEL Courses Under Regulations 2021 / 2025

- noc26-cs22 - Introduction to Embedded System Design
- noc26-de12 - Fundamentals of Automotive Systems
- noc26-ee34 - Microprocessors and Interfacing
- noc26-cs03 - Foundation for Virtual and Augmented Reality Systems
- noc26-cs03 - Foundations of Deep Learning: Concepts and Applications
- noc26-cs44 - Introduction to Soft Computing
- noc26-ee31 - Computer Vision and Image Processing - Fundamentals and Applications
- noc26-ee02 - Control Engineering for Robotics
- noc26-ee01 - Measurement and Instrumentation
- noc26-ee41 - Embedded Sensing, Actuation and Interfacing Systems
- noc26-ge06 - Climate Risk, Adaptation and Sustainable Development

3. Inclusion of U21OMI06 - Signal Analytics and System Simulation Program as Industry offered One-Credit Course under Regulations 2021

4. Inclusion of the following Capsule Courses under Regulations 2021
   - U21CPG41- Beginner's Guide to Electronics and Robotics
   - U21CPG42- Fundamentals of Cyber Physical Systems

Dr. M.S. Karthikeyan, Programme Lead (Freshmen) moved the following items based on the decision of the Board of Studies in Science & Humanities.

a. TO CONSIDER AND APPROVE THE FOLLOWING COURSES TO BE OFFERED UNDER R-2025 for UG programme

RESOLVED TO APPROVE

1. The inclusion of the following courses offered under Regulations 2025.

   - U25ENG03 English Proficiency III
   - U25ENG04 English Proficiency IV

2. The inclusion of the following Foreign Language Courses under Regulations 2025

   - U25LEG09 Chinese for Engineers - Chinese I
   - U25LEG10 Chinese for Engineers - Chinese II

3. The inclusion of the following Mathematics courses offered during III semester under Regulations 2025

   - U25MA301 Probability and Statistical Modeling for Computing Systems
   - U25MA302 Probability and Statistics for Engineering Systems

4. The inclusion of the following Mathematics courses offered during IV semester under Regulations 2025

   - U25MA401 Discrete Mathematics and Numerical Techniques
   - U25MA402 Discrete Mathematics and Systems Modeling
   - U25MA403 Stochastic Processes in Engineering Systems
   - U25MA404 Numerical Methods for Engineers
   - U25MA405 Partial Differential Equations for Process Engineering

5. Inclusion of U25CYX01 - Instrumental Analysis and Methods as Open Elective Course under Regulations 2025

6. Inclusion of the following Life Skill Courses – I as Mandatory Non-Credit Courses under Regulations 2025, offered during the III Semester to all UG Programmes.

   - U25MNC01 Personal Safety and First Aid Skills
   - U25MNC02 Health, Hygiene, and Wellness Skills
   - U25MNC03 Disaster Preparedness and Management Skills
   - U25MNC04 Digital and Cyber Safety Skills

- U25MNC05 Essential Financial Skills
- U25MNC06 Legal Awareness and Civic Responsibility Skills
- U25MNC07 Communication and Conflict Resolution Skill
- U25MNC08 Outdoor Self-Reliance Skills
- U25MNC09 Life and Emotional Resilience Skills
- U25MNC10 Social and Relationship Skills

7. Inclusion of the following Life Skill Courses – II as Mandatory Non-Credit Courses under Regulations 2025, offered during the IV Semester to all UG Programmes.

- U25MNC11 Basic Home Appliance Repair and Maintenance
- U25MNC12 Plumbing and Sanitary Maintenance Skills
- U25MNC13 Basic Electrical and Wiring Skills
- U25MNC14 Basic Vehicle Maintenance
- U25MNC15 HVAC (Heating, Ventilation, and Air Conditioning) Maintenance
- U25MNC16 Basic Carpentry and Home Improvement Skills
- U25MNC17 Painting and Surface Maintenance
- U25MNC18 Gardening and Waste Management

8. Inclusion of the following One Credit Courses under Regulations 2021 / 2025 - UG Programme

- U21OGE01 Photography and Videography
- U21OGE02 / U25OGE01 Guitar for Beginners
- U21OEG03 / U25OGE02 Dance for Beginners
- U21OEG04 / U25OGE03 Graphora

b. TO CONSIDER AND APPROVE THE BOARD'S RECOMMENDATIONS PERTAINING TO REGULATIONS 2021 FOR UG PROGRAMME

RESOLVED TO APPROVE

1. The inclusion of the following Capsule Courses under Regulations 2021

- U21CPG43 Nanotechnology in Engineering
- U21CPG44 X -Ray Diffraction

Ms. S. Dhivya, Chairperson, Master of Business Administration moved the following items based on the decision of the Board of Studies in Master of Business Administration.

c. TO CONSIDER AND APPROVE THE FOLLOWING COURSES TO BE OFFERED UNDER R-2025 for UG programme

RESOLVED TO APPROVE

1. Inclusion of the following Mandatory Credit Courses under Regulations 2025 for UG Programme

- U21OGE01 Managerial Skills for Engineers
- U25MCC15 Business Intelligence for Engineers

4. To make regulations regarding the admission of students to different programmes of study

Presented the admission details of UG, PG, and MBA programmes for the academic year 2024-2025, and the members of the council reviewed the same.

5. To make regulations for sports, extra-curricular activities, and proper maintenance and functioning of the playgrounds and hostels.

Members of the council reviewed and appreciated the achievements of students in sports, co-curricular, and extra-curricular activities.

6. To recommend to the Governing Body proposals for the institution of new programmes of study.

A proposal for increase in intake in the existing programmes and introducing additional programmes for the academic year 2026-2027 was presented.

Members reviewed and approved the following:

Increase in Intake (from AY 2026–2027)

1. B.E. – Computer Science and Engineering: Increase from 300 to 480
2. B.E. – Computer Science and Engineering (Cyber Security): Increase from 60 to 120
3. B.E. – Electronics and Communication Engineering: Increase from 240 to 360

New Programmes (from AY 2026–2027)

1. B.E. – Electronics Engineering (VLSI Design and Technology): Intake 60
2. M.E. – Embedded Systems: Intake 18

7. To recommend to the Governing Body institution of scholarships, studentships, fellowships, prizes, and medals, and to frame regulations for the award of the same.

The details of scholarships offered by the institute, in addition to those provided by the government for the academic year 2025-2026, were presented. Members of the council reviewed and took note of the same.

8. Any other matters

- Dr. K. Udhayakumar enquired about the current assessment pattern for industrial training/internship and emphasized the need to verify the relevance of the internship with the students' domain. Dr. A. Balamurugan, Member Secretary / ACM, presented the existing assessment pattern to the Council.

- Dr. J. Jancirani suggested making the industry-offered one-credit courses as mandatory credit courses. Dr. A. Balamurugan clarified that students can earn 3 credits by completing three such courses, which will allow a waiver of one professional elective.

- She also enquired about when students complete these courses, and it was informed that they complete them from the 3rd semester onwards.
- Members sought clarification on the number of electives provided. It was informed that, as per AICTE model curriculum, the institution offers 6 Professional Electives and 4 Open Electives.
- Dr. K. Udhayakumar appreciated the institution for providing national and international certification courses, which help students gain global exposure.
- Dr. M. R. Sumalatha enquired about the support provided to students participating in technical events and hackathons. The principal informed that financial assistance is extended to students who win prizes in events hosted by institutions ranked within the top 200 in the NIRF.
- Dr. M. R. Sumalatha recommended implementing an AICTE activity points for students involved in curricular and co-curricular activities. The proposal was taken for consideration.
- Mr. Barathan Kuppusamy emphasized the need for fostering multidisciplinary internships to enhance student exposure. Dr. Udhayakumar emphasized the importance of students undergoing internships specifically in their core branches to strengthen practical exposure and domain competency.
- Dr. M. R. Sumalatha suggested introducing foreign language courses for students. Dr. Jayasudha Head/English briefed the Council on the various foreign language courses already offered by the Department of Language and Communication.
- Mr. Barathan Kuppusamy enquired whether Anatomy courses are handled by qualified professionals. Dr. Tamilselvan, Head/BM, informed that doctors from Royal Care Multispecialty Hospital will handle these courses, as the institution has an existing MoU with the hospital.
- Dr. K. Udhayakumar appreciated the initiative of engaging foreign professors across departments to offer one-credit courses for students.
- Members suggested offering the courses related to Work Ethics and Circular Economy.
- Dr. K. Udhayakumar sought clarity on the course content of AI & Disaster Management. Mr. Barathan Kuppusamy explained that the course focuses on the application of AI technologies in disaster prediction, management, and mitigation, emphasizing the integration of emerging technologies with disaster-related challenges.
- Mr. Barathan Kuppusamy enquired about including Embedded Systems in the CSE curriculum, considering the increasing importance of hardware–software integration. Dr. V. Vishnukumar acknowledged the suggestion and agreed to take it up for further consideration during curriculum revision.
- Mr. Barathan Kuppusamy emphasized the need for cross-functional collaboration in student projects. The principal responded that the Capstone Project, which has already

been implemented, is multidisciplinary in nature and facilitates cross-departmental collaboration among students.

- Dr. K. Udhayakumar suggested offering two separate courses under Electrical Machines, emphasizing that it is a core and essential subject area for Electrical Engineering students.
- Dr. J. Jansirani suggested offering Bridge Courses exclusively for lateral entry students to support their academic transition. It was informed that the Bridge Courses are already being offered; however, they are not explicitly reflected in the curriculum document.
- Members suggested including programme-wise placement data, higher studies details, and information on GATE-qualified students in the next Academic Council Meeting.
- Dr. M. R. Sumalatha suggested that Open Elective courses may be offered in online mode to provide greater flexibility for students. She further recommended that NPTEL courses may be considered as self-study courses, enabling students to learn at their own pace.
- Dr. Vijay Natarajan enquired whether a structured mentoring system is available for students for academic and personal counselling. The principal, informed that each student is assigned a dedicated mentor, and counselling support is actively provided. Dr. Vijay Natarajan appreciated the system and suggested additionally engaging senior students as peer mentors to further strengthen student support.
- Mr. Nataraja Perumal recommended organizing Knowledge Enrichment/Upskilling Programs for faculty members to stay updated with current technologies and pedagogical practices. Dr. G. Anusha, Vice Principal, responded that the institution already conducts several faculty upskilling programs and also encourages faculty members to attend AICTE QIP, STTP, and other advanced training programs. The council acknowledged the need for continued faculty development initiatives.
- Mr. R. Purushothaman recommended strengthening industry connect and promoting cross-institutional collaborations. He also suggested organizing a Technology Day to showcase students' innovations. Dr. G. Anusha, Vice Principal, informed that the institution is already conducting Innovsense, an event where students can present and demonstrate their projects.
- Mr. Barathan Kuppusamy suggested establishing collaborations with other institutions for product testing and related activities. He also emphasized that students should continue to stay connected with the institution even after completing their degree.
- Mr. P. Kiruthick recommended training students in problem-solving skills before introducing advanced courses such as Data Structures and Algorithms.
- Members suggested including the achievements of the college, the institution's unique practices, and the innovative practices followed in the presentation for the next meeting.
- The principal presented that the institution currently has around 500 international students from 13 different countries. She highlighted that students from Syria and Zimbabwe are studying on full scholarships. The council appreciated this initiative and the global exposure it provides to the campus community.

Finally, Dr. A. Balamurugan, Head, Centre for Academic Courses, thanked all the members for their fruitful discussion and valuable suggestions, and the meeting came to an end.

Prepared by

Dr. A. Balamurugan, Member Secretory

23/12/25

Reviewed By

Dr. R Devi Priya, Chairperson