# KPR Institute of Engineering and Technology
## (Autonomous)

KPRIET
Learn Beyond

**11th ACADEMIC COUNCIL**

**MINUTES OF THE MEETING**

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

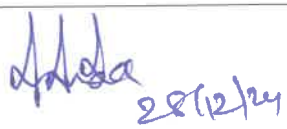
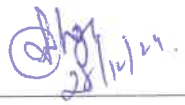
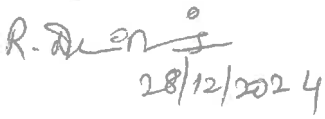
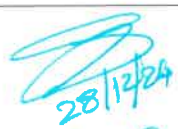
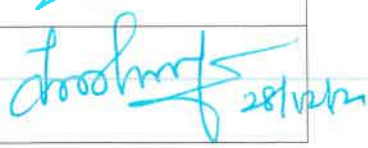
Date: 28 December 2024

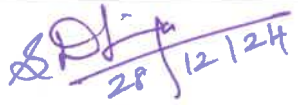
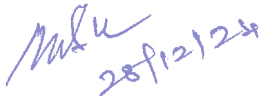
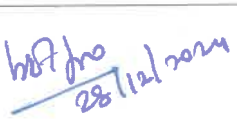
Time: 10.30 am

Meeting ID: https://zoom.us/j/99629544659?pwd=kPrjjas9dbdvaDzaakXUiqVvFZ5A6r.1

**Members Present:**

| S. No | Name of the member | Category | Signature |
|---|---|---|---|
| 1. | Dr. D. Saravanan, Principal | Chairman | |
| 2. | Dr. V. Manikandan<br>Professor, Department of EEE<br>Coimbatore Institute of Technology<br>Coimbatore | Anna University Nominee | 28/12/24 |
| 3. | Dr. P. Sathiya<br>Professor, Department of Production Engineering,<br>National Institute of Technology<br>Trichy | Anna University Nominee | ONLINE |
| 4. | Dr. C. Santhi<br>Professor and Head<br>Department of Electronics and Communication Engineering<br>Government College of Technology<br>Coimbatore | Anna University Nominee | ONLINE |
| 5. | Dr. Vijay Natarajan<br>Department of Computer Science and Automation<br>Indian Institute of Science<br>Bangalore | Academic Expert | ONLINE |
| 6. | Mr. S. Parthasarathy<br>Chief Programme Officer - Executive Education<br>IIMB, Bangalore | Industry Expert | ONLINE |
| 7. | Mr. R. Balasubramanian<br>Advisor, Lead SME – Civil Engg.<br>College Connect, L&T EduTech<br>Chennai | Industry Expert | ONLINE |
| 8. | Dr. A. M. Natarajan<br>Chief executive | Academic Expert | |

| | | | |
|---|---|---|---|
| 9. | Mr. B. Vivek<br>(2010 – 2014 Batch - CE)<br>Project Engineer, RG Associates, Coimbatore | Alumni<br>(Special Invitee) |  |
| 10. | Dr. S. V. Sudha<br>Professor & HoD<br>Artificial Intelligence and Data Science | Member |  |
| 11. | Dr. K S Tamilselvan<br>Professor & HoD<br>Biomedical Engineering | Member |  |
| 12. | Dr. S. Balasubramanian<br>Professor & HoD<br>Chemical Engineering | Member |  |
| 13. | Dr. G. Anusha<br>Professor & HoD<br>Civil Engineering | Member |  |
| 14. | Dr. R. Devipriya<br>Professor & HoD<br>Computer Science and Engineering | Member |  |
| 15. | Mr. G. Pandiya Rajan<br>Assistant Professor III & HoD<br>Computer Science and Engineering (AI&ML) | Member |  |
| 16. | Dr. A. Bazila Banu<br>Professor & HoD<br>Computer Science and Business Systems | Member |  |
| 17. | Dr. M. Kathirvelu<br>Professor & HoD<br>Electronics and Communication Engineering | Member |  |
| 18. | Dr. K. Mohanasundaram<br>Professor & HoD<br>Electrical and Electronics Engineering | Member |  |
| 19. | Dr. K Kamaraj<br>Associate Professor & HoD<br>Information Technology | Member |  |
| 20. | Dr. S. Ramesh Babu<br>Professor & HoD<br>Mechanical Engineering | Member |  |
| 21. | Dr. R. Kiruba Shankar<br>Professor & HoD<br>Mechatronics Engineering | Member |  |

| | | | |
|---|---|---|---|
| 22. | Ms. S. Dhivya<br>Director<br>Master of Business Administration | Member |  |
| 23. | Dr. K. Karthikeyan<br>Professor & HoD<br>Mathematics | Member |  |
| 24. | Dr. E. Ranjith Kumar<br>Professor & HoD<br>Physics | Member |  |
| 25. | Dr. M.S. Karthikeyan<br>Professor & HoD<br>Chemistry | Member |  |
| 26. | Dr. T. Jayasudha<br>Assistant Professor (Sl.G) & HoD<br>English | Member |  |
| 27. | Dr. D. Sharmila<br>Professor<br>Electronics and Communication Engineering | Senior Faculty |  |
| 28. | Dr. K. S. Elango<br>Associate Professor<br>Civil Engineering | Senior Faculty |  |
| 29. | Dr. R. Manjula devi<br>Head - IQAC | Senior Faculty |  |
| 30. | Dr. V. Parimala<br>Assistant Professor (III)<br>Electrical and Electronics Engineering | Senior Faculty |  |
| 31. | Dr. P. Narayanasamy<br>Professor<br>Electrical and Electronics Engineering | Controller of Examinations<br>Ex-Officio |  |
| 32 | Dr. A. Balamurugan<br>Director<br>Centre for Academic Courses | Member Secretary |  |

The Industry Expert members Mr. D. Suresh, Centre Head, Spark MINDA Technical Centre (SMIT), Pune, Mr. Prem Narayanan, Engineering Manager, GCP, Google India Pvt Ltd, Hyderabad, could not attend the meeting due to their prior commitments and unavoidable circumstances.

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### Minutes of the 11th Academic Council Meeting held on 28.12.2024:

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

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

**1. Confirmation of the minutes of 10th Academic Council Meeting:**

The Academic council members confirmed the minutes of 10th academic council meeting held on 25.05.2024.

**2. Action taken on the minutes of the 10th Academic Council Meeting:**

The minutes of the 10th Academic Council Meeting and the action taken thereon were approved.

(i). Suggested to include the details of funded FDP and STTPs organized:

Two programs were conducted for the academic year 2024-25, one by the CSE department and one by the ECE department as specified below:

| Sl. No | FDP / STTP | Details of Funding Agencies | Amount Received in Rs. | Title | Duration | No. of Participants |
|---|---|---|---|---|---|---|
| 1 | FDP | Science and Engineering Research Board (SERB) | 2,50,000 | From Theory to Practice: Millimeter Wave & THz antennas for Modern Applications | 19.08.2024 – 23.08.2024 | 54 |
| 2 | FDP | Centre for Faculty Development, Anna University | 35,000 | CCS349 - Image and Video Analytics | 10.06.2024 to 15.06.2024 | 40 |

In addition, Institute has also received grants for organizing workshops/seminars: ₹2,12,450 and a total grant for organizing IEEE Professional Society activities: $4,844 for the academic year 2024-25

(ii). Suggested to include details of professors under whom students are undertaking international internship:

Ten students have received three-month international internships from universities in Canada, Taiwan, and Malaysia. As suggested in the last ACM, the professors under whom they are undertaking internships is mentioned below:

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| S. No | Dept | Name of the student | Dates of Internship | Name of the University, | Country | Invited Professor | QS Ranking |
|---|---|---|---|---|---|---|---|
| 1 | CE | Mr. Sabarinath S | May 30 to August 21,2024 | University of Northern British Columbia | Canada | Prof. Dr. Thomas Tannert Professor, Wood Engineering | # 781–790 |
| 2 | AD | Mr. Pranava Darisan | June 1 to August 30, 2024 | Ming Chi University of Technology | Taiwan | Prof. Dr. Yen – Jen Chen AI Center Director Associate Professor of Electronic Engineering | # 1001-1200 |
| 3 | EE | Ms. Ashmita T | July 1 to 30, 2024 | National Central University, Taiwan | Taiwan | Prof. Dr. Min – Chun Pan Professor, Department of Mechanical Engineering | # 641–650 |
| 4 | CS | Ms. Deepika A | September 1 to November 30, 2024 | National Yunlin University of Science and Technology | Taiwan | Prof. Dr. Huan-Ming Chuang Professor and Chair of the Department of Information Management | # 501–600 |
| 5 | EE | Ms. Keerthiga M | July 1 to September 30, 2024 | National Sun-Yat Sen University | Taiwan | Prof. Dr. Che-Peng Li Professor, Wireless information systems lab | # 485 |
| 6 | EE | Ms. Gopika | July 1 to October 30, 2024 | National Changhua University of Education | Taiwan | Prof. Dr. Wen Ren Yang Professor Dept. of Electrical Engineering | # 1501+ |
| 7 | ME (SE) | Mr. Suryavarman R | September 15, 2024 to December 15, 2025 | Universiti Sains Malaysia | Malaysia | Prof. Dr. Mustafasanie M.Yussof Deputy Dean Department of Civil Engineering | # 146 |
| 8 | ME (SE) | Mr. Naveenkumar S.S | | | | | |
| 9 | ME (SE) | Mr. Kavin K.M | | | | | |
| 10 | ME (SE) | Ms. Swathika | | | | | |

(iii). Suggested to engage professionals from outside to handle long-term English micro specialization courses

Faculty members of Department of English attended a 5-day Professional Development program on Digital tools for English Language Teaching organized by NITTTR, Chennai. The program enhanced their expertise in integrating digital tools into English teaching and strengthened their ability to handle Micro specialization courses. Additionally, identified Prof. Lisa Cristina Mathis, Language Consultant, Young Adult Language Training, Italy to lead the course.

**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 | 10 | 02.12.2024 |
| 2 | Biomedical Engineering | 11 | 09.12.2024 |
| 3 | Chemical Engineering | 11 | 06.12.2024 |
| 4 | Civil Engineering | 12 | 04.12.2024 |
| 5 | Computer Science and Engineering | 12 | 02.12.2024 |
| 6 | Computer Science and Engineering (AI & ML) | 06 | 02.12.2024 |
| 7 | Computer Science and Business Systems | 06 | 02.12.2024 |
| 8 | Electronics and Communication Engineering | 12 | 09.12.2024 |
| 9 | Electrical and Electronics Engineering | 11 | 03.12.2024 |
| 10 | Information Technology | 06 | 02.12.2024 |
| 11 | Mechanical Engineering | 12 | 03.12.2024 |
| 12 | Mechatronics Engineering | 06 | 06.12.2024 |
| 13 | Science and Humanities | 11 | 02.12.2024 |
| 14 | Master of Business Administration | 01 | 20.12.2024 |

The 11th Standing Committee Meeting was held on 24.12.2024 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. K. Karthikeyan, Programme Lead (Freshmen)** moved the following items recommended by the Board of Studies of Science & Humanities.

1. The inclusion of Value-Added Courses U21VGE01 - English for Effective Communication under Regulations 2021
2. The inclusion of Open Elective Course U21CYX04 - Occupational Health and Safety under Regulations 2021
3. The inclusion of the following Foreign Language Courses under Regulations 2021 - UG Programme
    - U21VFL01 - French for Beginners: Language Essentials
    - U21VFL02 - German for Beginners: Language Essentials
    - U21VFL03 - Japanese for Beginners: Language Essentials
    - U21VFL04 - Advanced French: Proficiency and Fluency
    - U21VFL06 - Advanced Japanese: Proficiency and Fluency
4. The inclusion of the following Capsule Courses under Regulations 2021- UG Programme
    - Aptitude Building and Practice for Engineering Mathematics
    - Essential Aptitude Skills for Engineering Mathematics
    - Nanomaterial Synthesis
    - Idioms and Phrases
    - Travelogue Writing
    - Electrochemical Energy Storage

**Dr. S. V. Sudha, Chairperson, Artificial Intelligence and Data Science** moved the following items recommended by the Board of Studies of Artificial Intelligence and Data Science.

1. The inclusion of the following Industry offered One Credit Courses under Regulations 2021- UG Programme
    - U21OAD08 - Cloud Computing with AWS
    - U21OAD06 - Basics of Azure Industrial IoT
2. The inclusion of the following Capsule Courses under Regulations 2021- UG Programme
    - ETL (Extract Transform Load) – Data Engineering
    - Unix Shell Programming
3. The inclusion of the following Value-Added Courses under Regulations 2021 - UG Programme
    - U21VAD01 - Low Code Technology
    - U21VAD02 - UI/UX Design
    - U21VAD03 - Visual Computing – Essentials of Image Processing
    - U21VAD04 - Data Analysis using MS – Excel
4. The inclusion of the following NPTEL Courses for UG Programme
    - noc25-cs04 - Affective Computing
    - noc25-cs09 - Business Intelligence & Analytics
    - noc25-cs17 - Data Analytics with Python

- noc25-cs51 - Natural Language Processing
- noc25-cs37 - GPU Architectures and Programming
- noc25-cs43 - Introduction to Industry 4.0 And Industrial Internet Of Things
- noc25-cs45 - Introduction to Large Language Models (LLMs)
- noc25-cs36 - Getting Started with Competitive Programming

**Dr. K. S. Tamilselvan, Chairperson, Biomedical Engineering** moved the following items recommended by the Board of Studies of Biomedical Engineering.

1. The inclusion of U21OBM06 - Deep Learning in Biomedical Imaging as Industry offered one Credit Courses under Regulations 2021

2. The inclusion of the following Capsule Courses under Regulations 2021- UG Programme
   - U21CBM01 - Endoscopy and Laparoscopy
   - U21CBM02 - Altium - PCB Design software

**Dr. S. Balasubramanian, Chairperson, Chemical Engineering** moved the following items recommended by the Board of Studies of Chemical Engineering.

1. Inclusion of the following Industry offered One Credit Courses under Regulations 2021- UG Programme
   - U21OCH04 - Insights into Chemical Plant
   - U21OCH05 - Chemical Operation management
   - U21OCH06 - Chemical Plant Design and Safety Aspects

2. Inclusion of the following Value-Added courses under Regulations 2021- UG Programme
   - U21VCH05 - Sustainable Agriculture and Smart Farming
   - U21VCH06 - Hydrogen Economy and Fuel Cells
   - U21VCH07 - Petrochemical Technology

3. Inclusion of the following Capsule Courses under Regulations 2021- UG Programme
   - Essentials of MATLAB for Chemical Engineers
   - Introduction to Design of Experiments in Chemical Engineering
   - Getting Started with Process Simulation using DWSIM
   - Fundamentals of Fluid Flow Simulation using Open FOAM
   - Soil Health Management

4. Inclusion of the following NPTEL Courses for UG Programme
   - noc25-ch05 - Applied Time-Series Analysis
   - noc25-ch06 - Aspen Plus Simulation Software - A Basic Course for Beginners
   - noc25-ch07 - Basic Principles and Calculations in Chemical Engineering
   - noc25-ch08 - Biological Process Design for Wastewater Treatment
   - noc25-ch09 - Biomass Conversion and Biorefinery
   - noc25-ch10 - Characterization of Polymers, Elastomers and Composites
   - noc25-ce58 - Sustainable Engineering Concepts and Life Cycle Analysis
   - noc25-ch28 - Introduction to Process Modelling in the Membrane Separation Process

- noc25-cs36 - Getting Started with Competitive Programming
- noc25-ch32 - Modeling Stochastic phenomena for Engineering applications: Part-1
- noc25-ch36 - Physical and Electrochemical Characterizations In Chemical Engineering
- noc25-ch41 - Soft Nano Technology
- noc25-cs43 - Introduction To Industry 4.0 and Industrial Internet of Things
- noc25-cs49 - Machine Learning for Engineering and Science Applications

**Dr. G. Anusha, Chairperson, Civil Engineering** moved the following items recommended by the Board of Studies of Civil Engineering.

1. Revision made in the Vision of the Department

| Existing Vision of the Department | Proposed Vision of the Department |
|---|---|
| To develop competent Civil Engineers to create infrastructure with technology in demand that leads to nation building | To be recognised in Civil Engineering through quality education, research and innovation for the sustainable developments of the society |

2. Revision made in Mission of the department

| Existing Mission of the Department | Proposed Mission of the Department |
|---|---|
| To provide holistic education to students to enhance technical knowledge and skills | Provide holistic education to the students on emerging technologies in Civil Engineering |
| Foster ethical and moral values with leadership qualities | Instil in individuals a sense of ethical values and lifelong learning |
| Indoctrinate augmented contents to meet the requirements of stakeholders<br><br>Promote research and consultancy activities in collaboration with industries | Promote research and consultancy activities |

3. Revision made in program specific outcome (PSO)

| Existing PSO | Proposed PSO |
|---|---|
| PSO1: Design, construct and provide sustainable solutions through consultancy service | PSO1: Design and analyse civil engineering systems ensuring safety and cost-effective execution |
| PSO2: Execute projects, prepare reports and practice professional licensure. | PSO2: Develop sustainable and environmental friendly solutions by adopting appropriate concepts |

4. Inclusion of the following Industry offered One Credit Courses under Regulations 2021- UG Programme
   - U21OCE12 - Renewable Energy and Sustainability
   - U21OCE13 - 3D Modelling and Rendering for Civil Projects
   - U21OCE14 - Soil Investigation and Borelog Preparation

5. Inclusion of Value-Added Course U21VCE07 - TinkerCAD Basics under Regulations 2021 - UG Programme

6. Inclusion of the following NPTEL courses for UG Programme
    - noc24-ce81 - Railway Engineering
    - noc24-ce97 - Engineering Geology
    - noc24-ce94 - Ground Improvement Techniques
    - noc25-ce16 - Energy Efficiency Acoustics and Daylight in Building
    - noc25-ce46 - Remote Sensing and GIS for Rural development

7. Inclusion of the following Capsule Courses under Regulations 2021- UG Programme
    - Carbon Footprint
    - Gardening for Beginners

**Dr. R. Devi Priya, Chairperson, Computer Science and Engineering** moved the following items recommended by the Board of Studies of Computer Science and Engineering.

1. Inclusion of Minor Degree Vertical: **Software Development Engineering** with the following Courses under Regulations 2021- UG Programme
    - U21MDG72 - Integrated System Programming
    - U21MDG73 - Data Intensive Computing Systems
    - U21MDG74 - Data Management Techniques
    - U21MDG75 - Algorithms and Problem Solving – I
    - U21MDG76 - Algorithms and Problem Solving – II
    - U21MDG77 - Structured Query language

2. Inclusion of the following One Credit Courses under Regulations 2021- UG Programme
    - U21OCS19 – MLOps
    - U21OCS20 - App Development using React

3. Inclusion of the following Value-Added Courses under Regulations 2021- UG Programme
    - U21VCS09 - FinTech
    - U21VCS10 - Entrepreneurial Skills

4. Inclusion of the following Capsule Courses under Regulations 2021- UG Programme
    - Ethical Hacking Essentials
    - Mobile App Development using Android Studio
    - Editing Essentials for Storytelling
    - Dynamic Motion Graphics

5. Inclusion of the following NPTEL Courses for UG Programme
    - noc25-cs22 - Deep Learning for Natural Language Processing
    - noc25-cs32 - Foundations of Cyber-Physical Systems
    - noc25-cs38 - Human-Computer Interaction
    - noc25-cs45 - Introduction to Large Language Models (LLMs)
    - noc25-cs06 - Algorithms in Computational Biology and Sequence Analysis
    - noc25-cs51 - Natural Language Processing
    - noc25-cs54 - Parallel Computer Architecture

- noc25-cs55 - Practical High-Performance Computing
- noc25-cs04 - Affective Computing
- noc25-cs09 - Business Intelligence & Analytics
- noc25-cs37 - GPU Architectures and Programming

**Mr. G. Pandiya Rajan, Chairperson, CSE (Artificial Intelligence and Machine Learning)** moved the following items recommended by the Board of Studies of CSE (Artificial Intelligence and Machine Learning).

1. Inclusion of the Minor Degree Vertical: Applied Machine Learning with the Courses under Regulations 2021- UG Programme
   - U21MDG66 - Computational Intelligence
   - U21MDG67 - Data Preprocessing and Visualization
   - U21MDG68 - Machine Learning Essentials
   - U21MDG69 - Neural Networks and Deep Learning
   - U21MDG70 - Text mining and Analytics
   - U21MDG71 - Computer Vision and Image Processing

2. Inclusion of the following Industry offered One Credit Courses under Regulations 2021- UG Programme
   - U21OAM04 - Generative AI: Concepts and Applications
   - U21OAM05 - Large Language Models (LLMs)
   - U21OAM06 - IoT in Artificial Intelligence

3. Inclusion of the following Value-Added Courses under Regulations 2021- UG Programme
   - U21VAM05 - Text Analysis using NLTK
   - U21VAM06 - Linux Internals and Shell Scripting
   - U21VAM07 - Cloud Computing for AI and ML

4. Inclusion of the following NPTEL Courses for UG Programme
   - noc25-cs09 - Business Intelligence & Analytics
   - noc25-cs37 - GPU Architectures and Programming
   - noc25-cs07 - Artificial Intelligence: Knowledge Representation and Reasoning
   - noc25-cs36 - Getting Started with Competitive Programming
   - noc25-cs64 - Selected Topics in Algorithms

**Dr. A. Bazila Banu, Chairperson, Computer Science and Business Systems** moved the following items recommended by the Board of Studies of Computer Science and Business Systems.

1. Inclusion of the following Industry offered One Credit Courses under Regulations 2021- UG Programme
   - U21OCB06 - Type Script with Jest Testing Framework
   - U21OCB07 - Angular JS

2. Inclusion of the Capsule Course "Building Websites with CSS Framework" under Regulations 2021- UG Programme

3. Inclusion of the Value-Added Course U21VCB03 - Linux for Security Systems under Regulations 2021- UG Programme

**Dr. M. Kathirvelu, Chairperson, Electronics and Communication Engineering** moved the following items recommended by the Board of Studies of Electronics and Communication Engineering.

1. Inclusion of the following Capsule Courses under Regulations 2021- UG Programme
    - Practice on Sustainable Electronics Waste Disposal
    - MATLAB for Beginners
    - Troubleshooting of Electronics Hardwares

2. Inclusion of the following industry offered One Credit Courses under Regulations 2021- UG Programme
    - U21OEC09 - MATLAB to Python for Industrial Automation
    - U21OEC12 - RF energy harvesting systems
    - U21OEC13 - Image Analysis Using Open CV

3. Inclusion of the following Value-Added Courses under Regulations 2021- UG Programme
    - U21VEC07 - Image Processing Using Open CV

4. Inclusion of the following NPTEL Courses for UG Programme
    - noc25-cs01 - Advanced Computer Architecture
    - noc25-cs08 - Blockchain and its Applications
    - noc25-cs31 - Foundations of Cryptography
    - noc25-cs32 - Foundations of Cyber Physical Systems
    - noc25-cs51 - Natural Language Processing
    - noc25-cs62 - Reinforcement Learning
    - noc25-ee13 - Computer Vision and Image Processing - Fundamentals and Applications
    - noc25-ee16 - Deep Learning
    - noc25-ee40 - Fuzzy Sets, Logic and Systems & Applications
    - noc25-ee42 - Industrial Automation and Control
    - noc25-ee73 - RF Transceiver Design
    - noc25-ee80 - Spread Spectrum Communications and Jamming

5. Inclusion of the following MOOC Courses (ISRO) under Regulations 2021- UG Programme
    - Statistics for Image Processing
    - Basics of Remote Sensing
    - Global Navigation Satellite System

**Dr. K. Mohana Sundaram, Chairperson, Electrical and Electronics Engineering** moved the following items recommended by the Board of Studies of Electrical and Electronics Engineering.

1. Inclusion of the following Capsule Courses under Regulations 2021- UG Programme
    - Energy Efficiency in Electrical Utilities
    - Harmony on Nature and Society
    - Data Science for Electrical and Electronics Engineers

2. Inclusion of Solar Plant Design as Industry offered One credit Course under Regulations 2021- UG Programme

**Dr. K. Kamaraj, Chairperson, Information Technology** moved the following items recommended by the Board of Studies of Information Technology.

1. Inclusion of Programming for Unity Game Development as Industry offered One credit Course under Regulations 2021- UG Programme

**Dr. S. Ramesh Babu, Chairperson, Mechanical Engineering** moved the following items recommended by the Board of Studies of Mechanical Engineering.

1. Inclusion of the following Capsule Courses under Regulations 2021- UG Programme
    - 3D Printing and 3D Scanning
    - Electric Vehicle - Foundation Course

**Dr. R. Kiruba Shankar, Chairperson, Mechatronics Engineering** moved the following items recommended by the Board of Studies of Mechatronics Engineering.

1. The Professional Elective Course listed under Vertical V, titled 'U21MIP34: Process Control Automation' to be replaced with 'Industrial Process Automation'

2. Introduction of Open Elective Course
   A new open elective course titled 'U21MIX10: Industrial Process Automation and Artificial Intelligence' to be introduced.

3. Inclusion of the following NPTEL Courses for UG Programme
    - noc25-ae07 - Introduction to Aircraft Control System
    - noc25-ge11 - Entrepreneurship Essentials
    - noc25-mg13 - Business Fundamentals for Entrepreneurs
    - noc25-ee13 - Computer Vision and Image Processing - Fundamentals and Applications
    - noc25-ee14 - Computer-Aided Design of Electrical Machines
    - noc25-cs21 - Introduction to Machine Learning
    - noc25-cs41 - Introduction to Embedded Systems Design
    - noc25-ee16 - Deep Learning
    - noc25-me17 - Dynamics and Control of Mechanical Systems
    - noc25-ee42 - Industrial Automation and Control

4. Inclusion of the following Capsule Courses under Regulations 2021- UG Programme
    - Basics of IoT
    - SolidWorks for Beginners

**Ms. S. Dhivya, Chairperson, Master of Business Administration** moved the following items recommended by the Board of Studies of Master of Business Administration.

- To offer Outbound Training should be for not less than 5 days.
- To include Financial Management and AI Fundamentals for Business as core courses.
- Suggested Data and AI Products, AI infusion in Business, Responsible AI in AI Led Business specialization

**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 the achievements of students in sports, co-curricular, and extra-curricular activities.

The academic credit for student participation in technical events like hackathons was discussed by the members of the council. Chairman informed that a framework for providing the credit will be prepared and presented in the upcoming meeting.

**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 2025-2026 was presented.

Members reviewed and approved the proposal for Increase in intake for the following five programmes of study from the academic year 2025-2026.

1. **B.E. - Computer Science and Engineering**: From 240 to 300
2. **B.E. - Computer Science and Engineering (Artificial Intelligence and Machine Learning)**: From 60 to 120
3. **B.E. - Electronics and Communication Engineering**: From 180 to 240
4. **B.Tech. - Information Technology**: From 120 to 180
5. **B.Tech. - Artificial Intelligence and Data Science**: From 120 to 180

The Board of Studies meeting was conducted on 17.12.2024, **Dr. R. Devi Priya, Chairperson, Computer Science and Engineering** presented the Curriculum for I Semester to VIII Semester and Syllabus for first and second Semester for BE - Computer Science and Engineering (Cyber Security) and Curriculum for I to IV semesters and Syllabus for first two semesters for M.Tech – Data Sciences were reviewed and approved by the Academic Council Subject to the condition that the institute should satisfy the approval process guidelines of AICTE, New Delhi, Centre for Academic Courses, Anna University and Centre for Affiliations of Institutions, Anna University Chennai.

**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 2024-2025, were presented. Members of the council reviewed and took note of the same.

**8. Input Received from the Bos Members for Regulations 2025.**

The members of the council discussed the following suggestions provided by members of various Boards of Studies for the new Regulations 2025

- Offer Mandarin Chinese and Spanish Language courses based on students' interest. [Science and Humanities]
- Program Core subjects could be introduced in the second semester, giving students time to adapt to their academic environment during the first semester. [Chemical Engineering]
- More credits for core subjects could be offered [Computer Science and Engineering, and CSE AI ML]
- Reduction of credits for the Project Work Phase-II course from 10 credits to 8 credits. [Electronics and Communication Engineering]
- Inclusion of a separate laboratory for core courses. [Electronics and Communication Engineering & Electrical and Electronics Engineering]
- Integration of MATLAB software into higher-semester mathematics courses is suggested instead of lower-semester courses. [Mechanical Engineering]
- Suggested different mark schemes for questions in design-based courses. For instance, the design course questions need not be restricted to a minimum mark of 6 and a maximum mark of 12, it can go beyond 12 marks for a question. [Chemical Engineering]

9. Any other matters

- Members of the Council approved the inclusion of Open Elective course 'Entrepreneurship Development' in the list of V Semester Open Elective from the Academic Year 2025-26 under Regulations 2021 for all programmes.
- Dr. Vijayanatarajan discussed value-added courses, capsule courses, industry-offered one-credit courses, and NPTEL courses presented in the meeting and confirmed that these courses are offered as optional courses for the students.
- Mr. Parthasarathy inquired about the credits for the courses titled 'Financial Management' and 'Marketing Management,' which are offered in the MBA program. He also suggested adding courses related to Macroeconomics. Ms. S. Dhivya informed that the Managerial Economics course includes topics on Macroeconomics.
- Mr. Parthasarathy also suggested offering a new course instead of 'Principles of Management' for the MBA programme. In addition, he inquired about the teaching pedagogy followed at the institute and suggested sending faculty members to undergo training for the same.
- Dr. Vijayanatarajan inquired about employability enhancement courses offered to the students. Chairman informed that the Career Development center will take care of employability enhancement courses, and minor degree courses are also offered to students based on inputs received from industry feedback.
- Members of the council discussed the soft skill courses. Dr. Jayasudha, English, informed that Soft Skill I, II, and III are offered in Semesters III, IV, and V for the UG program. For the MBA program, Effective Communication courses is offered.
- Dr. Vijayanatarajan inquired about the availability of an incubation center at the institute. Chairman informed that the institute has an incubation center supported by MSME with dedicated faculty members.
- Members of the Council suggested to revise the Program Educational Objectives of the MBA program, as they appear similar to the Program Outcomes. Ms. Dhivya informed that it will be revised and presented in the next meeting.
- Mr. Parthasarathy suggested converting the 'Operations Management' course from 2 credits to 3 credits in the MBA programme.
- Mr. Vivek suggested adding a course related to the National Building Code in the curriculum. Dr. G. Anusha, Civil Engineering, accepted and informed that the course will be offered as a value-added course for the students.

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

02.01.2025

**Prepared by**
**Dr. A. Balamurugan, Member Secretory**

02/01/25

**Reviewed By**
**Dr. D Saravanan, Chairman**