

# CHETTINAD COLLEGE OF ENGINEERING & TECHNOLOGY, KARUR

## Department of Electrical and Electronics Engineering

### Programme Advisory Committee Meeting

#### Minutes of meeting

Venue: B Block Conference Hall

Date: 15.04.2023

The Programme Advisory Committee Meeting is held on 15.04.2023.

#### Members Present:

S.No	Type of Stakeholders	Stakeholder	Name & Designation
1	Internal Stakeholders	Principal	Dr. A.Punitha, Principal
2		HoD	Mr.N.Vijayasarithi, HoD/EEE
		Faculty	Dr.M.Senthilkumar, Prof/EEE
			Mrs.A.Bhuvaneswari, AP/EEE
			Mrs.S.Malarkodi, AP/EEE
			Mr.P.Pandi, AP/EEE
			Mrs.D.Pushpalatha, AP/EEE
			Mr.S.Ragul, AP/EEE
			Mrs.P.Thenmozhi, AP/EEE
Mr.M.Vasanthprakash, AP/EEE			
3	T&P Head	Mr.A.Sabarinathan Placement officer	
4	External Stakeholders	Industry	Mr.P.Ganesan, Deputy General Manager, Chettinad Cement Corporation Ltd., Puliur
5		Research Organization	Mr.R.Nandha Santhanam, Senior Engineer, Advanced Electronics and Infotronics Connected Solutions, Mahindra Research Valley, Chennai, India.
6		Alumni	Mr.C.Karthi, Manager, BIM Modeller Consulting Services, Karur-639001.
7		Parents	1.Ms.S. Amshalakshmi, M/o S.Tharani – III EEE,

			Manjanayakkanpatti PO, Tharagampatti, Karur - 621301.
			2. Ms.C.Selvi, M/o, C.Vignesh- II EEE, 53, Onthampatti mainroad, Nachalur, Kulithalai, Karur, 639110
8		Eminent Academician	Dr.K.Navin Sam, Assistant Professor, National Institute of Technology, Puducherry - 609609

The following points were discussed in the meeting:

- Mr.M.Vijayasarithi, Convener, welcomed the members present and delivered the welcome address.
- The Principal delivered the presidential address to the stakeholders and presented the Vision and Mission of the Institution.
- Program Coordinator (PC) Mrs.A.Bhuvaneswari, Assistant Professor /EEE. Introduced the Committee Members of the Programme Advisory Committee (PAC) of the EEE Program and publicized the Vision, Mission of the department and PEOs, POs, PSOs of the EEE Program.
- PC projected the CO- PO and CO PSO attainment for 2018-2022 batch graduates of EEE to the PAC members and gathered the action taken for the improvement or CO- PO attainment for the forthcoming batch students.
- The presentation covered the following topics:
  - ❖ Vision, Mission of the department
  - ❖ PEOs and PSOs released by Anna University for the B.E (EEE) Programme
  - ❖ Program Curriculum and Syllabus (R2021 of Anna University)
  - ❖ Department Achievements
  - ❖ Effective Teaching Practices
  - ❖ Strategies for Academic Performance Improvement
  - ❖ Student Projects

- ❖ Attainment of Course Outcome (CO), Program Outcome (PO) and Program Specific Outcome(PSO)
- ❖ Curricular Gaps
- ❖ Student Performance Analysis
- ❖ Placement Training

#### **Review of the PAC Meeting-I Minutes**

- Convener presented suggestions and recommendations given by PAC members in PAC Meeting-I and delivered a detailed presentation on the areas where these suggestions were implemented

#### **Dissemination of Vision, Mission of the department**

- The Vision and Mission statements of the department are as follows:

##### **Vision of the Department:**

To create a thriving community where enduring student relationships flourish, fostering a culture of innovative idea development, socially responsible, and ethically-driven engineers in the electrical industry.

##### **Mission of the Department:**

- To nurture students, enabling them to effectively confront professional challenges and emerge as outstanding engineers and technocrats.
- To provide a holistic and comprehensive education that ensures total quality, encompassing broad exposure and value additions.
- To engage in research within the realm of Electrical and Electronics Engineering, addressing the needs of the industry, scientific community, and society at large.

#### **Programme Educational Objectives (PEOs)**

Graduates can,

PEO #1. Find employment in Core Electrical and Electronics Engineering and service sectors.

PEO #2. Get elevated to technical lead position and lead the organization competitively.

PEO #3. Enter into higher studies leading to post-graduate and research degrees. Become



consultant and provide solutions to the practical problems of core organization.

PEO #4. Become an entrepreneur and be part of Electrical and Electronics product and service industries.

### **Program Specific Outcome (PSOs)**

PSO1: Foundation of Electrical Engineering: Ability to understand the principles and working of electrical components, circuits, systems and control that are forming a part of power generation, transmission, distribution, utilization, conservation and energy saving. Students can assess the power management, auditing, crisis and energy saving aspects.

PSO2: Foundation of Mathematical Concepts: Ability to apply mathematical methodologies to solve problems related with electrical engineering using appropriate engineering tools and algorithms.

PSO3: Computing and Research Ability: Ability to use knowledge in various domains to identify research gaps and hence to provide solution which leads to new ideas and innovations.

### **Programme Curriculum and Syllabus (R2021 of Anna University)**

- Convener shared that the students have requested to take the subjects EE3012-Electrical Drives, EE3037-Power System Transients and EE3009-Special Electrical Machines as Professional Elective for Regulation 2021 – V<sup>th</sup> Semester.

### **Department NBA SAR preparation**

- Convener presented the NBA SAR, prepared in alignment with outcome-based education. He then briefed the PAC members on the criteria-wise document details and requested their valuable suggestion.

### **Department Plan Execution Status**

- Convener shared the Department's Plan Execution for the academic year 2022-23, highlighting the completion of the Value Added Course, Industrial Visit and Technical Contest as per the plan.

### **Attainment of CO, PO, and PSO for the 2022-23 academic year**

- Convener presented the CO, PO, PSO Attainment for the academic year 2022-23 (Odd) and provided an overview of the assessment and achievement levels

The following views were gathered from the stakeholders regarding the action plan to be implemented for the forthcoming academic year to enhance POs and PSOs through value additions.

- **Mr.N. Vijayasarithi** suggested the following points:
  - ❖ Emphasized the need of emerging technologies such as Arduino, MATLAB and Programmable Logic Controller.
  - ❖ Suggested to incorporate hands-on learning through simulations and practical sessions and specifically recommended introducing MATLAB/Arduino-based training to enhance students' understanding of Converter systems and Renewable Energy.
  - ❖ Asked to encourage the students to do industry-recognized certification courses such as AutoCAD, PCB design and NPTEL Certifications to enhance student employability.
  
- **Mr.P.Ganesan** suggested the following points:
  - ❖ Recommended to organize guest lectures, webinars, and tech talks by industry professionals to bridge the gap between academia and industry.
  - ❖ Suggested faculty members and students to actively apply for grants from DST, AICTE, SERB, and ISRO to work on cutting-edge research.
  - ❖ Asked to motivate faculty members to file patents for their innovative ideas, ensuring protection of intellectual property.
  - ❖ Encourage publishing in SCI/Scopus-indexed journals and IEEE conferences to improve institutional research impact.
  - ❖ Suggested to guide students for higher studies and research fellowships in IITs, NITs, and abroad.
  
- **Mr.R.Nandha Santhanam** suggested the following points:
  - ❖ Suggested to improve students in the area of Sustainable Energy and PCB design.
  - ❖ Suggested to organize resume-building workshops, mock technical interviews for improve placement performance.
  - ❖ Expectations of industries from the graduates and opportunities available for Engineers in various industries.

- ❖ He explained the need of Renewable Energy/solar power and its impact on Indian power sector and encouraged to adapt solar based lighting system in the college.
- ❖ He briefed about the subsidy schemes by Government of India and TEDA. He also suggested to conduct value added programs in PCB design and embedded systems.
- **Dr.K.Navin Sam** suggested the following points:
  - ❖ Asked to encourage students to explore courses in PCB design, MATLAB and Renewable Energy.
  - ❖ Recommended to motivate students to complete online courses from NPTEL, Coursera, and edX to stay updated with industry trends.
  - ❖ Suggested to motivate students to participate in TechGium concept submissions, Smart India Hackathons, IEEE Paper Contests, and DARPA Challenges.
  - ❖ Asked to ensure the question papers, lesson plan follows Bloom's Taxonomy and accreditation requirements (NBA, NAAC).
  - ❖ Recommended to encourage students to develop low-cost, socially impactful projects in healthcare, agriculture, and disaster management.
- **Parents Ms.S. Amshalakshmi and Ms.C.Selvi** requested a balanced approach between academics and extracurricular activities to reduce stress and improve student engagement.

The meeting concluded with a vote of thanks from the Convener, expressing gratitude for the valuable suggestions provided by each member to the department's growth. He assured that the recommendations would be implemented in the upcoming academic year and thanked everyone for their participation in the PAC meeting. He also sought continued support for the ongoing development of the department.

Prepared by: Mr.N.Vijayasarathi

HEAD,  
Department of Electrical and Electronics Engineering  
Chettinad College of Engineering & Technology  
Copy to 1. All Faculty Members for needful action  
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2. Dept. file

Approved by: Principal

Dr. A.Punitha  
PRINCIPAL  
Chettinad College of Engineering & Technology  
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