

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: 08.06.2024

The Programme Advisory Committee Meeting was held on 08.06.2024.

Members Present:

S.No	Type of Stakeholders	Stakeholders	Name & Designation
1	Internal Stakeholders	Principal	Dr. A. Punitha, Principal
2		HoD	Mr.N.Vijayasarathi, HoD/EEE
		Faculty	Dr.M.Senthilkumar, Prof/EEE
			Dr.P.Pounraj, ASP/EEE
			Mrs.A.Bhuvaneswari, AP/EEE
			Mrs.S.Malarkodi, AP/EEE
			Mr.P.Pandi, AP/EEE
			Mr.M.Dineshkumar, 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., Puliyur
5		Research Organization	Mr.R.Nandha Santhanam, Senior Engineer, Advanced Electronics and Infotronics Connected Solutions, Mahindra Research Valley, Chennai, India
6		Alumni	Mr. S. Srinath, Director, Schaeffer Energy, Karur-639001.

7		Parents	1. Ms. S.Kavitha M/o S.Lakshan - IV EEE , 10/317, KVB Near, Veerarakkiam RS, Karur – 639114. 2.Ms. P.C.Latha M/o K.L.Pratheesha Vardhini - III EEE, 112/2, Melapalayam, Karur -639114
8		Eminent Academician	Dr.K.Navin Sam, Assistant Professor, National Institute of Technology, Puducherry - 609609

The following points were discussed in the meeting:

- HoD greeted the members present and delivered the welcome address. He also briefed about the progress of the Department towards the achievement of Vision, Mission, PEOs, POs, PSOs.
- Principal delivered the presidential address to the stakeholders and publicized the Vision and Mission of the Institution.
- The Presentation covered the following topics
 - ❖ Vision, Mission, PEOs, PSOs
 - ❖ Program Curriculum and Syllabus
 - ❖ Teaching Learning Process
 - ❖ Industry Interaction
 - ❖ Course Outcome and Program Outcome Attainment
 - ❖ Students Performance
 - ❖ Faculty Information and Contribution
 - ❖ Continuous Improvement
 - ❖ Department Achievements
- Convener Mr.N.Vijayasarithi introduced the Programme Advisory Committee (PAC) members of the EEE Program and presented the Vision, Mission, Program Educational Objectives (PEOs), Program Outcomes (POs), and Program-Specific Outcomes (PSOs) of the department.

- HoD greeted the committee members and delivered the welcome address. He also briefed about the progress of the Department towards the achievement of Vision, Mission, PEOs, POs, PSOs.
- Program Coordinator (PC) Mrs.A.Bhuvaneswari, Assistant Professor / EEE introduced the Committee Members of the Program Advisory Committee (PAC) of the EEE Program and reiterated the Vision, Mission of the department and PEOs, POs, PSOs of the EEE Program.

The Vision, Mission, PEOs and PSOs of the department were rewritten 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.

- Program Coordinator (PC) projected the CO- PO and CO PSO attainment for 2019-2023 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 following views were congregated from the stakeholders regarding the action be taken for the forthcoming batches to attain POs and PSOs through value additions.

- **Mr. N.Vijayasarithi** suggested the following points:
 - ❖ Value-added training should be provided to improve the attainment levels of POs and PSOs and enhance students' skills.
 - ❖ All students must complete a Mini Project each year to enhance their practical exposure.
 - ❖ It is highly recommended to conduct short-term courses in Hybrid and Electric Vehicles, Internet of Things and Professional Development, led by industry experts, to bridge the gap between theoretical knowledge and practical applications.
 - ❖ Entrepreneurship skills should be developed through proper guidance and mentoring.
 - ❖ Students should be identified starting from their second year and given awareness about various Central Government schemes and start-up opportunities.
- **Mr.P.Ganesan** suggested the following points:
 - ❖ Provided inputs on research activities and emphasized their importance.

- ❖ Highlighted the need for a Research Committee and advised categorizing faculty based on their expertise to guide students in undertaking projects and research in specific domains.
 - ❖ Recommended submitting funding proposals to various funding agencies and suggested establishing a Centre of Excellence laboratory in collaboration with industries.
 - ❖ Encouraged students to present and publish their projects in international conferences and journals.
 - ❖ Advised students and faculty members to utilize online course materials offered by NPTEL to supplement their studies.
 - ❖ Suggested highlighting statistics on internships leading to job placements.
 - ❖ Recommended organizing technical contests and value added course in the area of MATLAB and basic design of power supply, to enhance students' technical and problem-solving skills.
- **Mr.R.Nandha Santhanam** suggested the following points:
 - ❖ Recommended arranging internships for students to create awareness about industry expectations.
 - ❖ Commended the institution's growth and advised conducting value-added programs on MATLAB, regulated power supply and sustainable energy led by industry trainers, to enhance students' employability in both core and software industries.
 - ❖ Suggested creating an alumni portal to provide mutual benefits for both the institution and its alumni.
 - ❖ Recommended expanding the Training and Placement syllabus to include more technical topics.
 - ❖ Emphasized the need to prepare students by aligning their skills with industry expectations and enhancing their career readiness.
 - ❖ Encouraged increasing student participation in technical programs and competitions hosted by reputed institutions.

- **Dr.K.Navin Sam** suggested the following points:
 - ❖ Shared insights on the effective conduct of laboratory sessions and assessment methods used in leading universities. He recommended implementing similar practices, such as the use of virtual labs, to enhance students' practical understanding and improve CO-PO and CO-PSO attainment.
 - ❖ Advised the use of ICT tools in classrooms to enhance student engagement and learning and provided an overview of various innovative learning methods.
 - ❖ Recommended the procurement of reference books authored by foreign experts and other standard textbooks for all courses.
 - ❖ Engaged in detailed discussions on incorporating Content Beyond the Syllabus for selected subjects to enrich students' knowledge beyond the curriculum.

- **Parents Ms. S.Kavitha and Ms.P.C.Latha** suggested on arranging more on campus interviews to enhance the students career.

Also the members of PAC suggested and approved to take any of the following measures to strengthen the CO - PO and CO – PSO attainment for the forthcoming batches of EEE Program:

- Syllabus for Training and Placement classes be expanded to include more technical topics
- Detailed discussions were held on incorporating Content beyond the syllabus for selective subject
- Innovative teaching methodologies might be included into the regular classes for enhancing learning experience.
- Mini Project Expo for each year might be conducted to develop the students' practical exposure
- Students might be encouraged to present and publish their projects at International Conferences and journals.
- Reputed companies should be identified and officials from those companies may be brought to the department to facilitate knowledge exchange.
- Increase student active participations in technical programs and contests in reputed institutions

- Suggested to prepare the students, emphasizing industry expectations and readiness for their future careers.
- Highly recommended that the Short term course in the field of Sustainable Energy, PCB design, Smart Grid and Hybrid Electric Vehicles might be conducted by Industry experts which will help to blend theoretical knowledge with practical applications.

N.V.
Prepared by: Mr. N. Vijayarathi

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1. All Faculty Members for needful action
2. Dept. file

A.P.
Approved by: Principal

Dr. A. Punitha
PRINCIPAL

Chettinad College of Engineering & Technology
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