CHETTINAD COLLEGE OF ENGINEERING & TECHNOLOGY, KARUR

Department of Electrical and Electronics Engineering

Programme Assessment and Evaluation Committee (PAEC) Meeting-I

Ref.: EEE/PAEC/2025-26/01

Date: 24.09.2025

The Minutes of the meeting of the Programme Assessment and Evaluation (PAEC) Committee is presented below.

The Head of the Department conducted the meeting with Programme Assessment and Evaluation Committee Members on 24.09.2025 (Wednesday) at 10.30 AM in the G Block Seminar Hall and discussed the following points.

The Convener Dr.M.Senthil Kumar, Prof & Head / EEE welcomed the PAEC Members for the PAEC Meeting-I and reiterated the agenda of the meeting. The Members present are:

S.No.	PAEC Members	Designation
1.	Dr.M.Senthil Kumar	Professor & Head, Department of EEE, Chettinad College of Engineering and Technology
2.	Dr.R.Boopathi	Assistant Professor, Department of EEE, Chettinad College of Engineering and Technology
3.	Mrs.A.Bhuvaneswari	Assistant Professor, Department of EEE, Chettinad College of Engineering and Technology
4.	Mr.P.Pandi	Assistant Professor, Department of EEE, Chettinad College of Engineering and Technology
5.	Mr.M.Dineshkumar	Assistant Professor, Department of EEE, Chettinad College of Engineering and Technology
6.	Dr.S.Ragul	Assistant Professor, Department of EEE, Chettinad College of Engineering and Technology
7.	Mrs.C.Sangeetha	Assistant Professor, Department of CSE, Chettinad College of Engineering and Technology
8.	Ms.D.Ragavi	Assistant Professor, Department of ECE, Chettinad College of Engineering and Technology

9.	Dr. B.Preethi	Associate Professor, Department of MBA, Chettinad College of Engineering and Technology

The Meeting Agenda is as follows:

- Review of Previous Meeting
- Dissemination of Vision, Mission, PEOs, and PSOs
- Program Curriculum, processes followed to improve quality of teaching and learning, Initiatives related Industry/Summer Internship
- Result Analysis of the 2024-25 Even Semester
- Analysis of PO and PSO Attainment for the Even Semester of 2024-25 and Overall Attainment for Batch-14 (2021-25) and Comparison with Batch-13(2020-24)
- Research and Development, Faculty Participation
- Encouragement of Projects, Working Models, and Research Initiatives:
  - Paper Publications and Presentations
- Proposed Changes or Revisions (if any)

1. Review of Previous Meeting (2024-25 PAEC-Meeting II)		
		(Dr.M.Senthil Kumar, Prof & Head/EEE)
Points discussed by the PAEC Members	**Suggestions given by the PAEC Members**	**Remarks with Target Date and Responsibility**
The Convener, Dr.M.Senthil Kumar, Prof & Head / EEE, Presented The Following Key Points During The Meeting: ❖ As per the recommendations made during the PAEC Meeting-II (2024-25), he gave a comprehensive presentation on the implemented areas as follows: ❖ An Association Inaugural cum Guest Lecture, in association with the IEI Student Chapter, on "Smart Automation in Electrical Industry using IoT " was conducted. The resource person was Mr. R. Lakshmanan, Managing Director, Dhronav Info Tech, Namakkal.	The Convener suggested continuing these achievements in the upcoming semesters and recommended planning a one-day AICTE laboratory visit for the students.	**Remarks:** The department was advised to maintain clear records of all completed activities and future plans and to update the EEE department webpage periodically. **Target Date**: Continuous **Responsibility:** Academic Coordinator & Dept. Website Coordinator

❖ The IEI–All India Seminar on "Green India Mission" was conducted as part of academic outreach. ❖ The following technical events were conducted during the Even Semester: PowerPro, SimuCircuit Challenge". ❖ Value Added Courses were conducted on the following titles: 1) Power Supply Design – From Concept to Fabrication (II-EEE) 2) Design and Implementation of 1.5KW ON/OFF Grid for Solar Energy System (III EEE) 3) IBM Skills Build Program by Edunet Foundation (II & III EEE) 4) Industry Revaluation (IR) 4.0 Foundation Course (III EEE) ❖ Examination of curriculum gaps and appropriate measures taken to address them. ❖ Increased student participation in inter-college events. ❖ Growth in SCI/SCOPUS/peer-reviewed journal publications. ❖ Higher the faculty participation in FDPs and workshops. ❖ Highlighted the receipt of Rs. 7,500/- from TNSCST under the Student Project Scheme for the project titled, "Design of Single Input Multi Output Interleaved Boost Converter for EV Mobile Battery Charge".		

2. Dissemination of Vision and Mission of the department   (Dr.R.Boopathi, AP/EEE)

Points delivered by the PAEC Members	Suggestions given by the PAEC Members	Remarks with Target Date and Responsibility
❖ Emphasized on aligning academic and research activities with the department's vision and mission.	Students were encouraged to undertake mini projects effectively by identifying problem statements from recent IEEE publications. Faculty members also recommended continuous mentoring to ensure thorough and effective preparation for the upcoming project expo	**Remarks:** The significance of guiding students to undertake innovative projects aligned with the department's vision and mission was highlighted. **Target Date**: Continuous **Responsibility::** All Project Guides

3. Program Curriculum, processes followed to improve quality of teaching and learning, Initiatives related Industry/Summer Internship   (Dr.M.Senthil Kumar, Prof & Head/EEE)

❖ **Curriculum Gap and Content Beyond Syllabus(CBS):** Listed the identified curriculum gaps and the 'Content Beyond Syllabus' topics included in the subjects of AU Regulation 2021 for the 2025-26 Odd Semester, as follows: ❖ EE3301- Finite Element analysis ❖ EE3302 - Analysis and Design of Sequential Circuits, Digital Logic Circuit Modeling and Simulation with Multisim ❖ EC3301- Importance of bandwidth while selecting an amplifier for instrumentation applications	Suggested He emphasized the need to identify and effectively conduct "Content Beyond Syllabus" topics and noted that industry-oriented application topics would be more beneficial.	**Target Date**: Continuous **Responsibility:** All faculty members

❖ EE3303 - Design of Electrical machines		
❖ EE3311 - Load test on DC Series Generator, Polarity test on single phase transformer		
❖ EC3311 - Tuned class C Amplifier Characteristics of SCR		
❖ EE3501 - Growth of Power System and Analysis the effect of balanced and unbalanced fault in substation /Power grid using P-SPICE		
❖ EE3591 - Power Electronics based FACTS devices and Controllers		
❖ EE3503- Digital PID control		
❖ EE3012 - Linear Drives		
❖ EE3037 - Safety plan for lightning		
❖ EE3009 - Rotary and linear SRM		
❖ EE3701- .Load flow analysis of given power system with STATC		
❖ GE3791- Conflict Resolution and Collaborative Problem-Solving		
❖ CME365 - Next-Generation Innovations in Renewable Energy Systems		
❖ OCH353 - PV Waste management		
❖ EE3013 - New trends in active filters for improving power quality		
❖ **Internship:** Highlighted the students' summer internships in core areas and multidisciplinary companies and also provided a list of companies where the students completed their internships.		
❖ **Project:** Listed the project domains chosen by the students for their main projects and their journal publications in the 2024-25 Even Semester		

❖ **NPTEL Course Exemption**: Conveyed that 4 students are eligible for NPTEL course exemption as they have cleared the respective exams: Introduction to Internet of Things (3 students) and Introduction to Semiconductor Devices (1 student). ❖ Conveyed that the Technical Sessions was conducted by the Internal Faculty Members for placement drives. ❖ **Naan Mudhalvan Course:** Delivered the details of NM Course Electives chosen by the students and listed Faculty Members nominated as course instructors are as follows: 1) Employability Skills (II EEE) – Dr.R.Boopathi 2) Electric Vehicle Technology and Manufacturing (III EEE) - Dr.M.Senthil Kumar 3) PCB Design Using Fusion (IV EEE) – Dr.S.Ragul		

4. Result Analysis for 2024-25(Even Semester)		(Mrs.A.Bhuvaneswari, AP/EEE)
Points delivered by the PAEC Members	**Suggestions given by the PAEC Members**	**Remarks with Target Date and Responsibility**

Anna University End Semester Examination April May 2025 Results

Year /Sem	Total Number of Students Appeared	All Pass	All Pass %
I Year / II Sem	30	9	30
II Year / IV Sem	35	20	57
III Year / VI Sem	40	20	50
IV Year / VIII Sem	26	26	100

AU Result Comparison of Last 3 Semesters
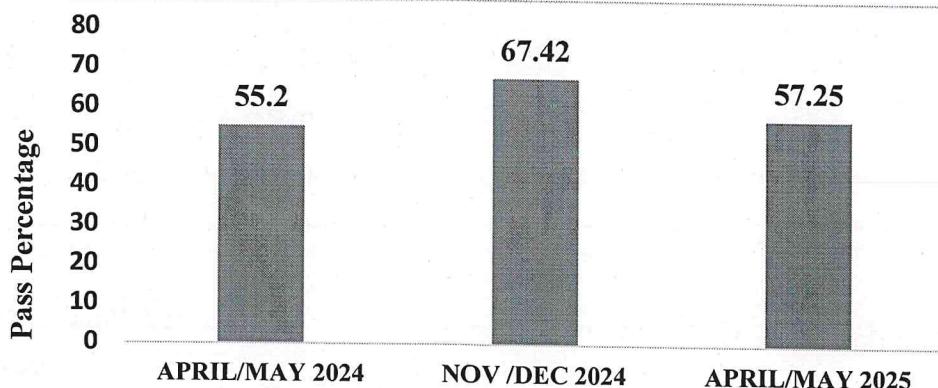
• Reviewed overall student performance, highlighting pass percentages, subject-wise strengths, and areas of concern, and appreciated for securing 80% results in the AU End Semester Examination	The convener insisted that the faculty members focus more on slow learners by providing effective mentoring and extra coaching classes to improve the pass percentage.	**Target Date:** Continuous **Responsible Person:** Concern subject Incharge

6. Analysis of PO and PSO Attainment for the Odd Semester of 2024-25 and Overall Attainment for Batch-14 (2021-25) and Comparison with Batch-13 (2020-24) (Dr.S.Ragul, AP/EEE)

Batch	Duration	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
PO & PSO Attainment-13	2020-2024	2.08	1.57	1.44	1.40	1.53	1.96	1.25	1.57	1.72	2.22	2.06	1.63	1.69	1.33	1.45
PO & PSO Attainment-14	2021-2025	1.78	1.72	1.48	1.54	1.68	1.34	1.44	1.26	1.33	1.84	1.50	1.73	1.87	1.75	1.53

• Reviewed the attainment levels of POs and PSOs for the academic year 2024-25 (Even) Semester, assessed the overall attainment for Batch-14, compared it with Batch-13, and discussed measures to enhance the low-scoring areas.	• Convener advised all EEE faculty members to incorporate more real-world examples and case studies aligned with the specific PO/PSO	**Remarks:** Review of progress will be conducted in the mid of the semester **Target Date:** September 2025 **Responsible Person:** All Faculty Members

	• Convener emphasized the need for faculty members to focus more on the weaker PO/PSO areas to improve attainment levels.	

7. Research and Development , Faculty Participation (Mr.P.Pandi, AP/EEE)

Points delivered by the PAEC Members	Suggestions given by the PAEC Members	Remarks with Target Date and Responsibility
• Discussed faculty participation in Faculty Development Programs (FDPs), Training Activities, Short-Term Training Programs (STTPs), and research contributions, including publications in indexed journals.	• Suggested applying for more grants from funding agencies to support research and development activities, and also recommended filing patents for the projects that receive funding.	**Remarks:** Each faculty member must publish at least one paper in an IEEE conference, Scopus-indexed journal, or SCI journal **Target Date :** Continuous **Responsible Person:** All Faculty Members

8. Encouragement of Projects, Working Models, and Research Initiatives

(Mr.M.Dineshkumar, AP/EEE)

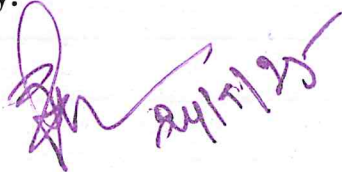| Points delivered by the PAEC Members	Suggestions given by the PAEC Members	Remarks with Target Date and Responsibility
• Highlighted three projects that received funding of Rs.6,500 from TNSCST and also shared the list of projects completed under society, research, and application-oriented categories. • . Listed the working models available in the department created by the students. • Shared that a Faculty Development Program	Convener recommended that all faculty members should apply for grants for conducting FDP or any other Entrepreneurship awareness programmes.	**Remarks:** The convener insisted that the working models be checked for their working condition and applied for patent rights. **Target Date :** Continuous **Responsible Person:** All Faculty Members

on PCB design is planned for the upcoming semester.		

10. Proposed Changes or Revisions (if any) provided by the PAEC Members:

- Dr.M.Senthil Kumar, Professor & Head /EEE, verified the Course Coordination Committee meeting minutes, content beyond the syllabus, and lesson plans.

- Mr.P.Pandi, AP/EEE, informed that research grants, patents and journal publications for faculty members have improved.

- Dr.R.Boopathi and Mr.M.Dineshkumar verified the CO-PO attainment for each subject along with the course files and communicated the necessary corrections.

- Mrs.C.Sangeetha, AP/CSE verified the proof of Value-Added Courses conducted and their updates on the website.

- Dr.M.Senthil Kumar, Professor & Head /EEE, informed that plans are in place to conduct the Core-related courses including Electrical System Layout, Renewable Energy Sources, Internet of Things (IoT), and Microsoft-supported simulation tools.

- .Ms.D.Ragavi, AP/ECE, encourage more students to participate in co-curricular and extracurricular activities.

- Dr. B.Preethi, ASP/MBA, reviewed and verified the result analysis for the 2024-25 Even Semester.

- All PAEC members discussed the NBA criteria and program file preparation.

Prepared by:	Approved by:
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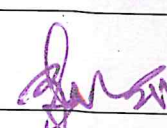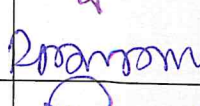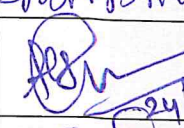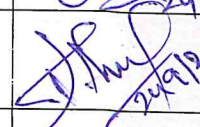Copy to: 1. Circulate among all members for needful action
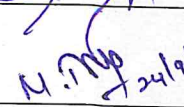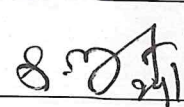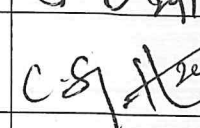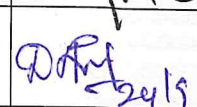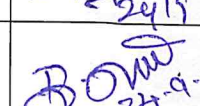
       2. Department File

CHETTINAD COLLEGE OF ENGINEERING & TECHNOLOGY, KARUR

Department of Electrical and Electronics Engineering

Attendance Program Assessment and Evaluation Committee (PAEC) Meeting-I

Date: 24.9.2025

S.No.	Name of the Members	Designation	Organization/Institute	Signature
1	Dr.M.Senthil Kumar	Professor & HoD/EEE	CNCET	
2	Dr.R.Boopathi	AP/EEE	CNCET	
3	Mrs.A.Bhuvaneswari	AP/EEE	CNCET	
4	Mr.P.Pandi	AP/EEE	CNCET	
5	Mr.M.Dinesh Kumar	AP/EEE	CNCET	
6	Dr.S.Ragul	AP/EEE	CNCET	
7	Mrs.C.Sangeetha	AP/CSE	CNCET	
8	Ms.D.Ragavi	AP/ECE	CNCET	
9	Dr. B.Preethi	ASP/MBA	CNCET	

HoD/EEE