

# CHETTINAD COLLEGE OF ENGINEERING & TECHNOLOGY, KARUR

## Department of Electronics and Communication Engineering

### Programme Assessment and Evaluation Committee (PAEC) Meeting-I

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

Date: 29.08.2025

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

The Head of the Department conducted a meeting with Programme Assessment and Evaluation Committee Members on 29.08.2025 (Friday) at 11.00 AM in the C Block Seminar Hall and discussed the following points.

The Convener Dr.M.Kumar 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.Kumar	Professor & Head, Department of ECE, Chettinad College of Engineering and Technology
2.	Mr. R.Rajkumar	Associate Professor, Department of CSE, Chettinad College of Engineering and Technology
3.	Mr.N.Murugesan	Assistant Professor, Department of MBA, Chettinad College of Engineering and Technology
4.	Mrs.S.Suguna	Assistant Professor/Maths, Chettinad College of Engineering and Technology
5.	Dr.S.Kokila	Associate Professor, Department of ECE, Chettinad College of Engineering and Technology
6.	Mr.P.Selvan	Associate Professor, Department of ECE, Chettinad College of Engineering and Technology
7.	Mr.M.Prabhakaran	Assistant Professor, Department of ECE, Chettinad College of Engineering and Technology
8.	Ms.D.Ragavi	Assistant Professor, Department of ECE, Chettinad College of Engineering and Technology
9.	Mrs.A.Karthikeyani	Assistant Professor, Department of ECE, 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-15(2021-25) and Comparison with Batch-14(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		(Dr.M.Kumar, Prof. & Head/ECE)
Points delivered by the PAEC Members	Suggestions given by the PAEC Members	Remarks with Target Date and Responsibility
<p>The Convener, Dr. M. Kumar, Presented The Following Key Points During The Meeting:</p> <p>As per the recommendations made during the PAEC Meeting-II (2024-25), he delivered a comprehensive presentation on the following implemented activities:</p> <ul style="list-style-type: none"> <li>❖ An Association Inaugural cum Guest Lecture, in association with the IEI Student Chapter, on “Advancement of Innovation in Embedded Systems through Artificial Intelligence” was conducted. The resource person was Dr. V. Thiagu, Managing Director, Indian Info Tech, Namakkal.</li> <li>❖ An Industrial Visit was arranged for the students to Traco Cable Company, Kochi.</li> <li>❖ The IEI–All India Seminar on “Green India Mission” was conducted as part of academic</li> </ul>	<p>The Convener suggested maintaining these achievements in the upcoming semesters and recommended planning a one-day AICTE Lab Visit for the students.</p>	<p><b>Remarks:</b> All completed activity and department plans should be maintained clearly and periodically it should be updated in ECE webpages</p> <p><b>Target Date:</b> Continuous</p> <p><b>Responsible Person:</b> Academic Coordinator &amp; Dept. Website Coordinator</p>

<p>outreach.</p> <ul style="list-style-type: none"> <li>❖ The following technical events were conducted during the Even Semester: Innovation Pitch'2025 (Paper Presentation), Futuristic Frames'2K25 (Poster Design Contest), and TECHTRIX'25 (Technical Event).</li> <li>❖ Value Added Courses were conducted on the following titles: <ul style="list-style-type: none"> <li>1) IR 4.0 Foundation Course – Linux, Python Programming, Data Analysis, and Database Management for AI Development (Multidisciplinary Course) – 15 Days</li> <li>2) IBM SkillsBuild Course – Industry-Relevant Skills, conducted by Edunet Foundation – 2 Days</li> <li>3) PIC Microcontroller-Based Embedded Systems – 3 Days</li> </ul> </li> <li>❖ Examination of curriculum gaps and appropriate measures taken to address them.</li> <li>❖ Growth in SCI/UGC CARE/peer-reviewed journal publications.</li> <li>❖ Higher faculty participation in FDPs and workshops.</li> <li>❖ Highlighted the receipt of Rs. 10,000/- from TNSCST under the Student Project Scheme for the project titled, 'VisionAI: Empowering the Visually Impaired with Deep Learning for Product Identification and Text Recognition.</li> </ul>		
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## 2. Dissemination of Vision and Mission of the department (Dr.M.Kumar, Prof. & Head/ECE)

Points delivered by the PAEC Members	Suggestions given by the PAEC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> <li>• Emphasized on aligning academic</li> </ul>	<ul style="list-style-type: none"> <li>• The Convener suggested that</li> </ul>	<b>Remarks:</b> The Convener



and research activities with the department's vision and mission.	<p>faculty members encourage students to undertake mini projects effectively, using problem statements from recent IEEE papers, and also recommended mentoring the students for thorough and effective preparation for the upcoming expo.</p> <ul style="list-style-type: none"> <li>Dr. S. Kokila recommended encouraging students to participate in competitions, exhibitions, and conferences that align with the department's goals.</li> </ul>	<p>highlighted the significance of guiding students to undertake innovative projects aligned with the department's vision and mission.</p> <p><b>Target Date:</b> Continuous</p> <p><b>Responsible Person:</b> All Project Guides</p>
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**3. Program Curriculum, processes followed to improve quality of teaching and learning, Initiatives related Industry/Summer Internship (Mr.P.Selvan, ASP/ECE)**

Points delivered by the PAEC Members	Suggestions given by the PAEC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> <li><b>Curriculum Gap and Content Beyond Syllabus(CBS):</b> 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: <ul style="list-style-type: none"> <li>❖ MA3355- Stochastic Processes and Matrices</li> <li>❖ CS3353- Palindromic Trees</li> <li>❖ EC3354- Sparse Regularization &amp; Non-Convex Methods in Inverse Problems / Signal Reconstruction, Real-Time Signal Processing on Power- or Resource-Constrained Platforms</li> <li>❖ EC3353- Emerging semiconductor devices, Photonic and optoelectronic devices.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Mr. P. Selvan suggested preparing proper documentation for the 'Content Beyond Syllabus' topics and conducting them effectively; he also noted that industrial application-based topics would be more beneficial.</li> <li>Dr. S. Kokila recommended conducting an AI-based Foundation Course for II ECE and a Deep Learning Course for IV ECE, highlighting the importance of these fields</li> <li>Mr. R. Rajkumar appreciated the students for applying for NPTEL course exemption.</li> </ul>	<p><b>Remarks:</b> The Convener asked the faculty members to submit the document on Content Beyond the Syllabus for verification at the end of the semester. Additionally, NM course mentors were instructed to give more importance to ensuring student participation and completion of the course.</p> <p><b>Target Date:</b> Continuous</p> <p><b>Responsible Person:</b> Mr.P.Selvan and all faculty members</p>

<ul style="list-style-type: none"> <li>❖ EC3351- Fuzzy Logic Controller for speed control.</li> <li>❖ EC3352- Verilog HDL Design using Xilinx</li> <li>❖ CEC332- Noise Reduction in Speech using Spectral Subtraction, Pitch Detection using Autocorrelation or YIN algorithm</li> <li>❖ EC3501- Industrial IoT (IIoT) communication protocols, OFDM in real-world 4G/5G systems</li> <li>❖ EC3551- Metamaterial-Based Transmission Lines for Compact RF Circuits</li> <li>❖ CEC366- Quantum image processing</li> <li>❖ CEC331- AI/ML in 5G Networks, 5G for Industry 4.0 and Smart Cities</li> <li>❖ EC3552- FPGA in Edge computing and 5G</li> <li>❖ OMR351- Mechatronics in Electric Vehicles, Smart home &amp; building automation systems</li> <li>❖ CCS342- DevSecOps</li> <li>❖ GE3791- Digital Ethics</li> <li>❖ GE3751- Awareness of GST and an Overview of Financial and Banking Instruments Used in an Organization</li> <li>• <b>Internship:</b> Highlighted the students' summer internships in core areas (VLSI, Embedded, Networking, etc.) and multidisciplinary companies and also provided a list of companies where the students completed their internships.</li> </ul>		
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<ul style="list-style-type: none"> <li>• <b>Project:</b> Listed the project domains chosen by the students for their main projects and their journal publications in the 2024-25 Even Semester</li> <li>• <b>NPTEL Course Exemption:</b> Conveyed that 19 students are eligible for NPTEL course exemption as they have cleared the respective exams: VLSI Physical Design with Timing Analysis – 3 credits (2 students) and Microprocessors and Microcontrollers – 3 credits (17 students), and they have requested to drop the VII semester elective subject, Mechatronics.</li> <li>• Conveyed that the Technical Sessions on Circuits, Digital Electronics, VLSI, Networking was conducted by the Internal Faculty Members for placement drives.</li> <li>• <b>Naan Mudhalvan Course:</b> Delivered the details of NM Course Electives chosen by the students and listed Faculty Members nominated as course instructors are as follows: <ul style="list-style-type: none"> <li>1) Employability Skills (II ECE) – Dr.S.Kokila</li> <li>2) ADAS ECU Simulation and Testing (III ECE)-Mr.M.Pradeepraj</li> <li>3) ADAS Advanced Level-2 (IV ECE) – Mrs.A.Karthikeyani</li> </ul> </li> </ul>		
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(Mr.M.Prabhakaran, AP/ECE)

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 No. of Students Appeared				All Pass				All Pass %	
I Year / II Sem		48				36				75	
II Year / IV Sem		58				38				65.5	
III Year / VI Sem		59				57				96.6	
IV Year / VIII Sem		43				43				100	

AU Result Comparison of Last 3 Semesters

Semester	All Pass %
APRIL/MAY-2024	78.4
NOV/DEC-2024	80.86
APRIL/MAY-2025	83.65

<ul style="list-style-type: none"><li>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</li></ul>	<p>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.</p>	<p><b>Target Date:</b> Continuous <b>Responsible Person:</b> Concern subject Incharge</p>
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5. Analysis of PO and PSO Attainment for the Odd Semester of 2024-25 and Overall Attainment for Batch-15(2021-25) and Comparison with Batch-14 (2020-24)

(Ms.D.Ragavi, AP/ECE)

Points delivered by the PAEC Members				Suggestions given by the PAEC Members								Remarks with Target Date and Responsibility					
Batch	Duration	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
PO & PSO Attainment - B14	2020-24	2.39	1.99	1.87	1.71	1.47	1.39	2.27	1.86	2.52	2.56	1.64	1.68	2.05	1.85	1.53	
PO & PSO Attainment - B15	2021-25	2.05	1.95	1.89	1.87	1.70	1.73	1.72	1.83	1.71	1.91	1.56	1.61	2.08	1.89	1.76	

<ul style="list-style-type: none"><li>Reviewed the attainment levels of POs and PSOs for the academic year 2024-25 (Even) Semester, assessed the overall attainment for</li></ul>	<ul style="list-style-type: none"><li>Convener advised all ECE faculty members to incorporate more real-world examples and case studies</li></ul>	<p><b>Remarks:</b> Review of progress will be conducted in the mid of the semester</p>
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Batch-15, compared it with Batch-14, and discussed measures to enhance the low-scoring areas.	<p>aligned with the specific PO/PSO</p> <ul style="list-style-type: none"> <li>• Convener emphasized the need for faculty members to focus more on the weaker PO/PSO areas to improve attainment levels.</li> </ul>	<p><b>Target Date:</b> September 2025</p> <p><b>Responsible Person:</b> All Faculty Members</p>
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**6. Research and Development , Faculty Participation (Mrs.A.Karthikeyani, AP/ECE)**

Points delivered by the PAEC Members	Suggestions given by the PAEC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> <li>• Discussed faculty participation in Faculty Development Programs (FDPs), Training Activities, Short-Term Training Programs (STTPs), and research contributions, including publications in indexed journals.</li> </ul>	<ul style="list-style-type: none"> <li>• 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</li> </ul>	<p><b>Remarks:</b> Each faculty member must publish at least one paper in an IEEE conference, Scopus-indexed journal, or SCI journal</p> <p><b>Target Date :</b> Continuous</p> <p><b>Responsible Person:</b> All Faculty Members</p>

**7: Encouragement of Projects, Working Models, and Research Initiatives (Dr.M.Kumar, Prof. & Head/ECE)**

Points delivered by the PAEC Members	Suggestions given by the PAEC Members	Remarks with Target Date and Responsibility
<ul style="list-style-type: none"> <li>• Highlighted three projects that received funding of Rs.10,000/- each from Niral Thiruvizha 2.0, one project received funding of Rs.6,500 from TNSCST and also shared the list of projects completed under society, research, and application-oriented categories.</li> <li>• Listed the working models available in the department created by the students.</li> <li>• Shared that a Faculty Development Program on PCB design is planned for the upcoming semester.</li> </ul>	<p>Convener recommended that all faculty members should apply for grants for conducting FDP or any other Entrepreneurship awareness programmes.</p>	<p><b>Remarks:</b> The convener insisted that the working models be checked for their working condition and applied for patent rights.</p> <p><b>Target Date :</b> Continuous</p> <p><b>Responsible Person:</b> All Faculty Members</p>



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

- Dr. M. Kumar, Professor & Head of ECE, verified the minutes of the Course Coordination Committee meeting, content beyond the syllabus, and lesson plans for the 2024-25 Even Semester.
- Dr. M. Kumar, Professor & Head of ECE, informed that plans are in place to conduct the Foundation of AI and Deep Learning courses.
- Mr. P. Selvan and Ms. D. Ragavi verified the CO-PO attainment for each subject along with the course files and communicated the necessary corrections.
- Mr. R. Rajkumar, ASP/CSE, verified the subject activity file and project documentation.
- Dr. S. Kokila informed that a National Seminar, sponsored by the IEI Student Chapter, is planned to be conducted.
- Mr. P. Selvan, AP/ECE, verified the Faculty Contribution File and informed the concerned faculty in charge about the necessary corrections.
- Mr. N. Murugesan, AP/MBA, and Mrs. S. Suguna, AP/Maths/ECE, 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:**

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**Approved by:**

ADS/251812

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Copy to: 1. Circulate among all members for their action  
2. Department File

# CHETTINAD COLLEGE OF ENGINEERING & TECHNOLOGY, KARUR

## Department of Electronics and Communication Engineering

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

Date: 29.08.2025

S.No.	Name of the Members	Designation	Organization/Institute	Signature
1.	M. KUMAR	HOD/ECE	CNCET	M. Kumar 29/08/25
2.	R. Rajkumar	ASP/CS	CNCET	R. Rajkumar 29/8/25
3.	MURUGESAN. N	AP	CNCET	M. Murugesan 29/8/25
4.	S. SUGUNA	AP/	CNCET	S. Suguna 29/8/25
5.	D. R. S. Kokila	ASP/ECE	CNCET	D. R. S. Kokila 29/8/25
6.	D. Ragan	AP/ECE	CNCET	D. Ragan 29/8/25
7.	M. P. RAGHABAN	AP	Chettinad College	M. P. Raghavan 29/8/25
8.	P. Selvan	ASP/ECE	CNCET	P. Selvan 29/8/25
9.	A. K. M. Keyani	AP	CNCET	A. K. M. Keyani 29/8/25

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