

CHETTINAD COLLEGE OF ENGINEERING & TECHNOLOGY, KARUR

Department of Electronics and Communication Engineering

Programme Advisory Committee Meeting-II

Minutes of meeting

Venue: B Block Conference Hall

Date: 22.04.2023

The Programme Advisory Committee Meeting is held on 22.04.2023.

Members Present:

S.No	Type of Stakeholder	Stakeholder	Name & Designation
1.	Internal Stakeholders	Principal	Dr.A.Punitha, Principal
2.		Head of the Department	Dr.M.Kumar, HoD/ECE
3.		Faculty Members	Dr.B.Deepa, ASP/ECE
			Mrs.S.N.Lalitha Parameswari, ASP/ECE
			Mr.P.Selvan, ASP/ECE
			Mr.M.Mohanraj, ASP/ECE
			Mr.S.T.P.Senthil Kumar, AP/ECE
			Ms.D.Ragavi, AP/ECE
			Mr.M.Prabhakaran, AP/ECE
			Mrs.A.Karthikeyani, AP/ECE
Mrs.G.S.Sankari, AP/ECE			
4.	T&P Head	Mr.A.Sabarinathan, Placement officer	
5.	External Stakeholders	Industry	Mr.S.Palanivel Rajan, Sub-Divisional Engineer, BSNL, Virudhunagar.
6.		Research Organization	Dr. H. Sameera Bharadwaja, Associate Director, Samsung Semiconductor India Research, Bangalore.
7.		Alumni	1. Mr.Hari M Rajkumar, Senior Product Specialist – Tech, Conizant Technology Solutions Pvt Ltd, Coimbatore

			2. Mr.V.Vijayanarayanan, Senior Data Engineer, Cloud Destinations, Coimbatore.
8.		Parents	1. Mr.M.Thangapandi, P/O T.Sabarianandan IV ECE, 11/4,Kamarajar Nagar, Pasupathipalayam, Karur – 639004. 2. Mr.N.Thiruvengadam, P/O T.Gayathri III ECE, 6/243, Vedachandur, Landhakottai, Dindigul – 624620.
9.		Academician	Dr.Balambigai Subramanian, Associate Professor/ECE, Kongu Engineering College, Perundurai, Erode.

The following points were discussed in the meeting:

- Dr. M. Kumar, 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.
- Convener Dr. M. Kumar presented the following points to the PAC members:
 - ❖ Dissemination of Vision, Mission of the department
 - ❖ Review of the PAC Meeting-I Minutes and implementation of suggestions given by the PAC members
 - ❖ Programme Curriculum and Syllabus (R2021 of Anna University)
 - ❖ Department NBA SAR preparation
 - ❖ Department Plan Execution Status
 - ❖ Course Outcome (CO) and Program Outcome (PO) Attainment of the previous academic year
 - ❖ Student Performance Analysis

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 provide the quality education in the field of Electronics and Communication Engineering which caters the needs of the society in line with the technological revolution.

Mission of the Department:

1. To upgrade the technical knowledge of the students continuously by providing industrial exposure and innovative projects.
2. To establish a creative learning environment for the students by active learning of the techniques in the electronics and communication engineering field.
3. To nurture career improvement by facilitating skill development and training in the recent technologies.

PEOs and PSOs of the department are as follows:

Program Educational Objectives (PEOs):

1. To provide the students with a strong foundation in the required sciences in order to pursue studies in Electronics and Communication Engineering.
2. To gain adequate knowledge to become good professional in electronic and communication engineering associated industries, higher education and research.
3. To develop attitude in lifelong learning, applying and adapting new ideas and technologies as their field evolves.
4. To prepare students to critically analyze existing literature in an area of specialization and ethically develop innovative and research oriented methodologies to solve the problems identified.
5. To inculcate in the students a professional and ethical attitude and an ability to visualize the engineering issues in a broader social context.

Program Specific Outcome (PSOs):

PSO1: Design, develop and analyze electronic systems through application of relevant electronics, mathematics and engineering principles

PSO2: Design, develop and analyze communication systems through application of fundamentals from communication principles, signal processing, and RF System Design & Electromagnetics.

PSO3: Adapt to emerging electronics and communication technologies and develop innovative solutions for existing and newer problems

Programme Curriculum and Syllabus (R2021 of Anna University)

- Convener shared that the students have requested the subjects CEC332-Advanced Digital Signal Processing, CEC366-Image Processing, CEC365-Wireless Sensor Network Design to choose as Professional Elective for Regulation 2021 – Vth 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, Alumni Interaction 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. S. Palanivel Rajan** suggested the following points:
 - ❖ Emphasized the need of emerging technologies such as AI/ML for ECE, IoT, 4G & 5G Technologies, Embedded Systems, and VLSI Design.
 - ❖ Suggested to incorporate hands-on learning through simulations and practical sessions and specifically recommended introducing Arduino-based training to enhance students' understanding of embedded systems and IoT applications.
 - ❖ Asked to encourage the students to do industry-recognized certification courses such as CCNA, MATLAB, IoT, and PCB Design to enhance student employability.

Dr. H. Sameera Bharadwaja suggested the following points:

- ❖ Recommended to organize guest lectures, webinars, and tech talks by industry professionals was emphasized to bridge the gap between academia and industry
 - ❖ Shared detailed insights on the effectiveness of Virtual Labs and recommended making use of them as value-added experiments alongside laboratory exercises
 - ❖ 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. Hari M Rajkumar** suggested the following points:
 - ❖ Suggested to improve students' coding skills especially in Python, Embedded C, HDL (Verilog/VHDL), and Data Structures.
 - ❖ Suggested to organize resume-building workshops, mock technical interviews, and coding challenges to improve placement performance.
 - **Mr. V. Vijayanarayanan** suggested the following points:
 - ❖ Requested to arrange hands-on training in C/C++ programming,
 - **Dr. Balambigai Subramanian** suggested the following points:
 - ❖ Asked to encourage students to explore courses in AI for Electronics, Biomedical Signal Processing, and Green Energy Systems.

- ❖ 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 Texas Instruments Innovation Challenge, TechGium concept submissions, Smart India Hackathon, 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 Mr.M.Thangapandi and Mr.N.Thiruvengadam** 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.


M. Kumar
22/04/23

Prepared by: Dr.M.Kumar


Principal
22/04/23

Approved by: Principal

Copy to: 1. All Faculty Members for needful action
2. Dept. file