CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY
An Autonomous Institute | Affiliated to Osmania University
Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075, www.cbit.ac.in

COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION
45 years

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Minutes of the Meeting of Programme Assessment and Quality Improvement Committee (PAQIC) BE (ECE) Program

Date: 27.03.2024

Time: 11.00 AM

Meeting held Online mode

S. no.	Name and Designation	Designation
1.	**Dr. D. Krishna Reddy**, Professor and HoD, ECE Dept., CBIT	Chairperson
2.	**Dr. N. V. Koteswara Rao**, Professor, Dept. of ECE, CBIT	Member
3.	**Dr. P. N. Sastry**, Professor, Dept. of ECE, CBIT	Member
4.	**Dr. A. Supraja Redy**, Dept. of ECE	Member
5.	**CAG Members**	
6.	**Dr. G. Prasad**, Group Head, ICIG, NRSC, ISRO, Hyderabad	Member
7.	**Sri. Ajay Kumar** , Manager R&D, Medha Servo Drives Pvt. Ltd, Hyderabad	Member
8.	**Sri. K. Pramod Kumar Reddy**, Delivery Head, Cyber Security, APMEA Region, Wipro Technologies Ltd. Hyderabad.	Member
9.	**Sri. Shravan Kumar Goud Ashannagari**, Senior Silicon Design Engineer, AMD India Pvt Ltd, Hyderabad.	Member
10.	**Dr. K. Vasanth**, Associate Professor, Dept. of ECE, CBIT	Convener

Leave of Absence:

1. **Ms. K. Adithi Reddy**
   Engineer, USB Software, Core-Tech platform, Qualcomm Inc., Hyderabad
2. **Sri. J.V. Kiran Kumar**
   Member, Senior Software Engineer, Infosys, Hyderabad.
3. **Sri.P. Chandrasekhar**
   Member, Assistant Professor, Dept. of ECE, CBIT
4. **Dr.P.Sathish**
   Member, Assistant Professor, Dept. of ECE, CBIT

The meeting has commenced with welcoming by Chairman, PAQIC of B.E (ECE). He also appreciated he contribution of the members.

Minutes:

1. **To approve the minutes of PAQIC Meeting 2023**
   The Minutes were approved
2. **Development of Curriculum of R – 22 Regulation (V Sem to VIII Sem)**
   a. Chair BoS, ECE Dept., presented the Scheme and Structure of V to VIII semesters of BE (ECE) program R22 Regulation. Also highlighted the major changes brought in the curriculum to improve placements as well as current industry needs as follows.
      i. Winter upskill certification courses are introduced for a of duration of 60 Hours with 25 Marks of 0.5 Credit at IV and VI semesters as part of total 160

Credits by lifting out Internship -III in VII semester present in R-20 Curriculum.

- Dr. G. Prasad enquired that any courses related to coding, PCB design etc were offered.
- Dr. K. Vivek Singh presented the list of courses opted for present IV and VI semester students to complete their winter upskill certification. These include courses like MATLAB from Mathworks, CISCO, 4G Communication, IoT, Python, Java, AI and Machine learning etc.
- Dr. K. Sai Krishna also added that few students have done their Skill Course at NIT, Warangal on 5G Communication.

ii. To accommodate advanced subjects like "5G Communications", Analog Communications and Digital Communications are merged into a single course titled "Analog & Digital Communications" for theory. Correspondingly, the practical component is now offered under the course "Analog & Digital Communications Lab" in R-22 Curriculum.

- Dr. G. Prasad enquired about the Processors that are covered in the subjects "Computer Architecture and Microprocessors" and "Microcontrollers" at V and VI semester level apart from 8086 Microprocessor.
- Dr. N. Dhanalakshmi Clarified with the content of the subjects and its alignment to the recent needs.

iii. Program Electives are placed based on the tracks to enhance the students' area of interest such as Communication & networking, Embedded & IoT, VLSI, Signal Processing domains and etc.,

- Dr. G. Prasad Appreciated the different elective tracks

iv. Program Elective and Open electives were Chosen in accordance to Revised AICTE Model curriculum 2023 & as per NITTTR guidelines.

v. Industry 4.0 is replaced with Industry 5.0 in R-22 curriculum.

3. **Stakeholder's Feedback for curriculum development and Course end & Semester end Surveys for TLP improvement**

a. Dr. Khaleel Rahman presented the feedback collected from stakeholders such as parents, Industry, Alumni etc., for the development of curriculum.

i. Chair, PAQIC has conveyed that the feedback gathered has been disseminated among the various CEG groups. Subsequently, the revision of the R-22 draft curriculum was prepared based on this feedback to be discussed in forth coming BoS.

- Dr. G. Prasad enquired about when the surveys are conducted and how long it will take to include those in the curriculum.
- Typically, surveys are collected prior to the revision of the curriculum development process. So, for this iteration, surveys were conducted in January 2024 and seamlessly integrated into the ongoing revision process."

b. Smt. Ghata Chauhan presented the Course end survey, Semester end survey and Program exit survey reports of A.Y.2022-2023.

i. Sri. Ajay inquired about the total number of students who participated in responding to the survey.

ii. Smt. Ghata Chauhan stated that about 99% students involved in survey as respondents.

4. **Innovative teaching methodologies followed, NPTEL/SWAYAM Certifications**

a. Dr. K. Vasanth presented the Innovative teaching methodologies followed by the department.

i. Dr. G. Prasad emphasized the importance of document writing skills for students.

ii. The Courses like Technical paper writing, reports submitted for Mini projects and Technical seminar can significantly enhance these skills.

b. Dr. K. Vasanth presented the number of NPTEL/SWAYAM Certifications of UG students for AY 2023-24. Also emphasized the availability of Additional Minor Engineering and Honors degree & Credit transfer facilities for the students.

   i. Dr. G. Prasad enquired about the feedback regarding Additional Minor Engineering and Honors degree.

   - Our students in the ECE department are showing a keen interest in pursuing an Additional Minor degree in CSE rather than opting for Honors. This choice is believed to enhance their employability prospects.

5. **Quality of Question papers and assignments**

   a. Chair, PAQIC provided an overview of the department's process for setting and moderating question papers. Additionally, it was mentioned that assignments are structured to align with Bloom's taxonomy level exceeding 3.

6. **Result Analysis and action taken.**

   a. Sri. N. Jagan Mohan Reddy presented the analysis of results for the 2022-23 graduating batch. He also compared the pass percentage with that of the previous academic year, ensuring it consistently remains above 95%.

7. **CO-PO-PSO Attainments – Fixing Target**

   a. Mr. Mohd. Ziauddin Jahangir shared information about the procedure carried out to attain the CO, PO and PSO with emphasis on how the target levels are set for POs and PSOs.

   i. Dr. G. Prasad inquired about the methods used to achieve improvements in attainment. And when will the changes take effect.

   ii. Dr. N.V. Koteswara Rao suggested focusing on remedial measures aimed at enhancing the attainment of Program Outcomes (POs) that have not been achieved.

      - Enhancements in attainment are achieved in the subsequent academic years through the implementation of various workshops, training programs, guest lectures, and similar initiatives.

   b. Mr. Mohd. Ziauddin Jahangir informed that present target level for POs is 73% and requested the panel members to suggest the PO target level for the next batch.

   - The members proposed maintaining the current level for the Program Outcomes (POs) that haven't reached the required attainment level. For the POs that have already met the criteria, they suggested aiming for a 2% improvement, reaching a target of 75%.

8. **Internship / Industrial visits - Impact Analysis**

   a. Dr. K. Sai Krishna presented about the internship Offered in the Department in II, IV and VI semester in the form of NPTEL / MOOCS, Industry/ Rural Internship and Industry cum Inter industrial Internship respectively. He explained the benefits of doing these internships that can be converted into Publications/ Projects/ Patent/ Placements.

      - Dr. G. Prasad enquired about training programs which was considered as Internships

9. **List of technical events conducted**

   a. Dr. K. Khaleel Rehman presented the list of technical events conducted by the department for the AY 2023-24.

10. **Initiation of Department News Letter**

   a. Smt. A. Satyavathi briefed about the "TRANSCENDENT" – College level newsletter published biannually.

11. **Faculty Contributions and competencies improved.**

   a. Dr. A. Supraja Reddy presented the details about the sponsored projects and consultancy projects that were currently carried out in the department. She also

highlighted that two patent were granted and a MOU with "Constelli signals Pvt ltd." was signed in this Academic Year.

b. She also gave insights about the quality publications made in Scopus & Web of Science publications made by faculty and students for Ay 2023-24.

The Committee appreciated the efforts of the department

12   Department Infrastructure Facilities and Student Support System

a. Dr. P. Narahari Sastry Presented department infrastructure facilities. He also briefed the mentoring available in the department for students support.

b. Chair, PAQIC Highlighted about the industry supported labs.

13   Placements, Higher Studies and Entrepreneurship

a. Dr. K. Vasanth presented the details of students placed in Companies, Opted for Higher studies and Turned as an Entrepreneur of 2023 passed out batch.

14   Student Projects and Outcomes

a. Dr. A. Vani briefed about the Procedure followed for project selection, allocation, conducting reviews and Best Projects selected in the department. She highlighted the institute funding and VM Rao Best Student Research Award for Meritorious work carried out in the department.

Dr. K. Vasanth
PAQIC Convener

Prof D. Krishna Reddy
PAQIC Chairperson

Copy to:
1. Principal for information
2. PAQIC Members
3. ECE Faculty ECE Dept.