



# **LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING**

(AUTONOMOUS)

**Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)**

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

**L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India**

## **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

Date:07-01-2023

### **Minutes of Board of Studies (BOS) Meeting**

#### **1. Confirmation of minutes of 15th BoS meeting held on 28-05-2022:**

- The meeting began by informing about the changes in the department Board of Studies.
- The recommendations made in the earlier meeting dated 28.05.2022 regarding the courses under honor and minor programmes for R20 regulations, open electives for other departments as well as R & D activities were confirmed.

#### **2. Review of Action Taken Report (ATR) on the minutes of 15<sup>th</sup> BoS meeting held on 28-05-2022:**

- All the members were told that all the recommendations made in earlier BoS dated on 28.05.2022 for improving the teaching and learning activity in the department were either implemented or under implementation.

#### **3. Discussion and review of stakeholders' feedback on curriculum for A.Y.2021-22:**

- The members were informed about the feedback given by stakeholders during the academic year:2021-22.
- Design Thinking, Linux programming, AI & ML fundamentals, Computer networks laboratory are the courses recommended by stake holders.
- Dr.N.V.S.Sarma told that design thinking course is a must and it need to be taught by adjunct faculty having academic and industrial back ground. If possible, it should be in the first semester so that it helps for product-oriented ideas.
- Dr.N.V.S.Sarma agreed for the same and mentioned that as the upcoming days are for Artificial Intelligence, Deep learning or Machine learning need to be

introduced in the regulations. ARM processors and Internet lab are essential with more lab orientation as suggested.

- It is not needed to computer organization as it is out dated with the evolution of microprocessors.
- Dr.Sarma also told that use of Linux programming is to be encouraged as malware attacks are increasing. Majority of the premier institutions are not using windows and the faculty mindset is to be changed for making use of Linux. Electronics and computer workshop is essential and all associated parts of computers like routers are to be demonstrated along with projectors Televisions. Computer networks lab is to be established at the earliest as suggested.
- Mr.Solomon told that it is better to begin with ARM processors directly as they are easy to deal with. The student needs to practice more in lab and in such a scenario ARM is better.
- Further, it was also mentioned that Computer optimization techniques if introduced depth is considered carefully there is much difference in the contents for under and Master's programme.
- Dr.Y.Amar Babu has told that as the students are not inclined towards M.Tech programme, honor programme has been introduced to cover advanced concepts.
- Dr.Sarma told that In MPMC course , last two units can be ARM processors based on the relevance as basics are also important.

**4. Information and discussion on POs & PSOs attainment and ATR for 2018-22 batch:**

- It was told that for getting honor degree, student need to complete two courses under MOOCs along with four regular courses.
- It was mentioned that VLSI and Embedded System as one course under 12 weeks NPTEL course along with VLSI verification and physical design as the department is possessing the necessary hardware and software.
- Dr.N.V.S.N.Sarma told that instead of giving single course it is better to give choice to students for selecting a specific course under MOOCs.
- The courses under minor program are also discussed.

#### 5. Discussion on introducing new courses in R23 regulations:

- Dr.N.V.S.Sarma has pointed out that it is better to wait for any guidelines from APSCHE. This is because every time the colleges are preparing syllabus and the state Council is giving suggestions at the last minute. It is better to see the model curriculum and then do minor suggestions.
- JNTU nominee, Mrs.U.V.Ratna Kumari has been asked to get assertion from university whether any such directions are with the affiliating university.
- Mrs.U.V.Ratna Kumari replied that recently a meeting with honourable vice chancellor was conducted and modifications are to be done in R23 are currently going on regarding R23 regulations between JNTUK and APSCHE which includes National Education Policy.
- Dr.N.V.S.Sarma suggested to have a common meeting with all BoS chairman to provide uniformity during BoS meeting like what agenda to be considered and in which manner it is to be presented. Further, the modifications done and the feedback incorporated should not affect the student.
- Further, Dr.Sarma advised to include courses having lab combined with theory having 4 or 4.5 credits .The student will go to lab only for the exam and complete the assessment process.
- Dr.Ratna Kumari told that the proposal is under consideration by the university and student need to pass both theory and lab.
- Dr.Sarma told that under Basic sciences either three mathematics courses without physics or two mathematics courses and one physics course are under consideration. Even the physics also should contain diode contain diode equations, fermi levels are to be considered under solid state physics.
- Python and other programming courses are to be given priority and taught initially with mathematics courses at a later stage. It is not advisable to restrict to minor modifications in syllabus but do major revisions that helps students.
- Mr.Bedford Solomon suggested to have non program core courses under bridge courses so that other branch students can easily understand the ECE basics.
- Dr.Sarma also advised to learn product oriented courses in a multi-disciplinary area so that in future start-ups can be established. It was also suggested to collect feedback from industry whether internship is either useful or wastage of time.

- Dr.Y.Amar Babu told that it is becoming difficult for getting internship to all the three sections and further industry is asking for six months.
- Dr.Solomon replied that the requirement by the industry for six months is opt and will be fruitful.
- Dr.U.V.Ratna Kumari told that according to APSCHE guidelines there should be ten months of internship that includes project work in VIII semester. She was told that Community service project is introduced in the department for second- and third-year students.

#### **6. Information on Teaching Learning Process:**

- The members were told that department is having strong faculty support and following all the modalities for effective teaching learning process.
- Bridge courses were conducted for the first year and lateral entry students, as informed by the BoS chairman.
- It was also informed that Neo lab has been mandatory for conducting programming labs and virtual labs concept was also introduced to the students. Digital electronics lab and EDC labs were introduced under this concept as told.

#### **7. Approval of MOOCs for Honor and Minor Programme:**

- Dr.N.V.S.Sarma told that same courses could not be put for both honor and minor programmes. There should be clear demarcation as honor is designed for highly academic oriented and intelligent ECE students and minor is for other branch students shaving lots of interest in ECE. If both were mixed there will be a difficulty in suggesting a course.
- Departmental courses may have more lab orientation and other department students are to be restricted to fundamentals.
- Embedded System Design course can be for both minor and honor, as suggested by Dr.Sarma.
- Modern C++ has been introduced for honor students to encourage system programming which is preferred by the industry, as mentioned by Dr.Y.amar Babu.
- Dr.N.V.S.Sarma suggested to check for the viability of Cloud Computing and Data Analytics for Honor students.

**8. Discussion and approval of changes in Vision, Mission, PEO and PSO statements**

(if any):

- The Vision, Mission, PEO and PSO statements of the department were put before the meeting and existing statements are satisfactory and no need to change them for time being.

**9. Information on Academic Performance of the students for the A.Y 2021-22 (Even Sem):**

- The academic performance of the students for the even semester for the Academic year 2021-22 were informed by the Chairman.
- Courses with poor pass percentage were identified and remedial classes were conducted for those students who failed in those courses.
- The counsellors are motivating students to clear the backlogs.

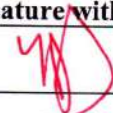

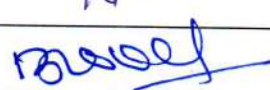



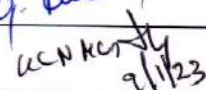
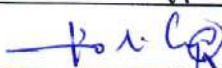
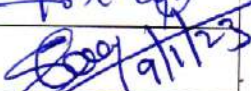
**10. Information & Discussion on R&D and Training & Placement Activities for the A.Y: 2022- 23:**

- The statistics of R&D activities were put before the members by the BoS chairman. It was told that faculty members were encouraged to apply for CRG and seed money for the academic year 2023-24. One faculty from the department has been sanctioned seed money.
- Staff colloquium is conducted regularly, as informed. It was also told that two faculty members have undergone training in Efftronics systems Pvt. Ltd. These faculty will further train the students and five other faculty members.
- The members were also informed about the recent MOUs with premier institutions.
- Placements with good packages have been obtained during Academic Year:2022-23. Students are getting placed in core companies also and students interested in core companies have been identified and special training is being offered for them.
- Industry oriented lab will be established in the department soon with support from Efftronics systems Pvt. Ltd.

**11. Information on events organized & Attended for the A.Y 2022-23:**

- The chairman informed the members about the various activities that have been organized in the department and professional society bodies and department club are active for these.

  
Chairman  
Board of Studies

S.No	Name & Designation	Position in BOS	Signature with Date
1.	Dr.Y.Amar Babu, Professor & HOD,	Chairman	
2.	Dr.U.V.Ratna Kumari Professor of ECE, University College of Engineering, JNTUK, Kakinada	University Nominee	Attended online
3.	Dr. N.V.S.N.Sarma Director, Indian Institute of Information Technology, Trichy	External Member, Subject Expert	Attended online
4.	Dr.P.Srihari Rao, Associate Professor , Department of ECE, NIT, Warangal	External Member, Subject Expert	Attended online
5.	Dr.John Bedford Solomon, Principal Engineer, Insemi Technology Limited, Secunderabad	External Member, Industry	Attended online
6.	Dr.B.Anil Kumar, Associate Professor, Department of ECE, Gokaraju Rangaraju Institute of Engineering & Technology (Autonomous), Hyderabad	Alumni	Attended online
7.	Dr.E.V.Krishna Rao Professor ,Dean of R &D	Internal Member	
8.	Prof.B.Ramesh Reddy Professor & IQAC In Charge	Internal Member	
9.	Dr.M.Venkata Sudhakar Professor	Internal Member	
10.	Dr.P.Lachi Reddy Professor	Internal Member	
11.	Dr.G.Srinivasulu Professor	Internal Member	
12.	Dr.G.L.N.Murthy Professor	Internal Member	 9/1/23
13.	Dr.B.Poornaiah, Professor	Internal Member	
14.	Dr.B.Y.V.N.R.Swamy, Associate Professor	Internal Member	 9/1/23
15.	Mr.M.K.Linga Murthy, Sr. Assistant Professor	Internal Member	