



# 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 & COMMUNICATION ENGINEERING

Date: 07-12-2019

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

1. The meeting began by discussing about the Minor Engineering program that is proposed to be introduced in R20 curriculum.
2. Members suggested that instead of 20 credits allocated for other branch courses, 21 credits may be allocated for Minor Engineering.
3. There may be 7 or 8 courses in two groups in the program where Minor Engineering is sought.
4. In case, if a student is willing to opt for Minor Engineering in Electronics and Communication Engineering, the two groups can be, first one from Electronics and second one from Communication.
5. The two groups should cover two basic courses and remaining advanced courses.
6. It was pointed out that instead of having two open electives in VII semester, better to start open electives from IV semester onwards.
7. While discussing about open electives offered by the Department, Internet of Things may be one of the open electives.
8. Electronic Communication systems by George Kennedy may be considered as the text book during syllabus preparation of Communication Engineering subject.
9. Fundamental concepts are to be included in the Signal Processing course.
10. In open electives, Advanced Microcontroller course may be replaced with Embedded Systems course.
11. In open elective courses, "Medical Image Processing" course may be renamed as "Image Processing" or may be replaced with "Cellular Communications".
12. Display devices, LED TVs, OLEDs can be the contents for Cellular Communications course.
13. Open Elective courses need not be offered to all the Departments. If any branch is not having a basic course for a specific Open Elective then for that branch, that course should not be offered.



14. In the course, Economics for Engineers in V semester, it should be seen that accountancy must be added which is a fundamental requirement for future entrepreneurs, and the course title can be "Economics and Accountancy for Engineers".
15. It was strongly recommended that Engineering Chemistry and its Lab courses may be removed and may be replaced with "Materials Science" course. This is in view of proliferation of new courses; advanced courses of the program can be incorporated.
16. Engineering physics course should cover solid state physics as well as optics and its syllabus should be so framed that Fundamentals of Electronics course can directly begin with PN junction diode.
17. All the basic concepts of semiconductors can be included in Engineering Physics course.
18. The basic core course Fundamentals of Electronics course can be renamed as Fundamentals of Electronic Devices and Circuits, as suggested. Further, it was also pointed out that the framed syllabus is very vast and will be difficult to cover within stipulated hours.
19. The proposed two theory courses "Fundamentals of Electronics" and "Analog Circuits" can be made into at least three courses; "Fundamentals of Electronic Devices" or "Electronic Devices", "Analog Circuits Design" and "Signal Processing Circuits using OP-AMPs" or "Linear Integrated Circuits".
20. Members suggested that the course title "Digital Circuits" may be changed to "Digital Logic Circuits".
21. Suggested that, instead of using 'Design' action verb, "Model" action verb may be used while framing the Course Outcomes in "Digital Circuits" course.
22. It was pointed out that Foreign language certification need not be credit based course. Indeed it can be made a mandatory course with zero credits.
23. The external members enquired the need for incorporating four mathematical courses in the curriculum. It was mentioned that the number of courses can be reduced to three and fourth course can be incorporated with mathematical foundations that are needed for core courses that should be non repetitive.
24. The members suggested that Disaster Management course should be included as a mandatory course which can be taught by department faculty itself.
25. The external members opinioned that there should not be any choice in the end examination questions in view of the relative grading system.
26. It was pointed out that III semester is overloaded with core courses.
27. EPICS -I course can be shifted to V semester instead of III semester and EPICS -II can be moved to VII semester.



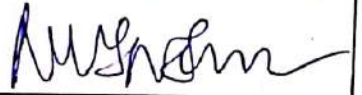
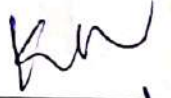
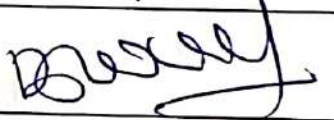




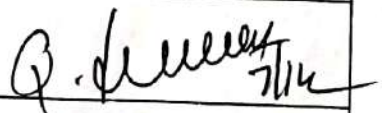
28. The members suggested that senior faculty members should sit together while finalizing the syllabus for Mathematics courses under basic sciences category.
29. Principles of Communications-I can be renamed as Analog Communication even though Pulse digital modulation is added, as suggested.
30. Principles of Communication-II can be named as Digital communications with detection and estimation from Simon Haykin as Unit -I.
31. The detailed syllabus of courses under Signal Processing module was reviewed and suggested to redefine the course outcomes. Instead of understand, it can be model action verb in Course Outcome 2 as felt.



**HEAD**

**Department of Electronics &  
Communication Engineering  
Lakireddy Bali Reddy College of Engineering  
MYLAVARAM, Krishna Dt., Andhra Pradesh**



S.No	BOS Hierarchy	Name	Signature with Date
1	Chairman	Dr. Y Amar Babu	 7/12/19
2	University Nominee	Dr. A M Prasad	
3	Subject Expert (Academic)	Dr.P.Srihari Rao	
4	Subject Expert (Academic)	Dr. N.V.S.N.Sarma	
5	Subject Expert (Industry)	Mr.B.Ravi Kumar	
6	Alumni	Dr.B.Anil Kumar	
7	Internal faculty	Dr. E. V. Krishna Rao	
8	Internal faculty	Prof. B Ramesh Reddy	
9	Internal faculty	Dr. A. Narendra Babu	
10	Internal faculty	Dr. Y S V Raman	
11	Internal faculty	Dr. M Venkata Sudhakar	
12	Internal faculty	Dr. P Lachi Reddy	
13	Internal faculty	Dr. G Srinivasulu	
14	Internal faculty	Dr. G L N Murthy	