



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: 04-07-2020

Minutes of Board of Studies (BOS) Meeting

1. The external members are felt that the number of credits in I & II semesters can be reduced. The chemistry theory and laboratory courses can be removed because at the UG level they are not that much needed.
2. The contents of the Physics course should be framed such that electronics related contents be more emphasized. This will enable the Electronics fundamental course directly begin with diode equations.
3. The need for introducing Advanced programming laboratory is not properly justified and further no open elective course will generally have a lab.
4. In V semester, the title of the course Digital CMOS design should be renamed as CMOS design, as suggested.
5. The possibility of making Transform Techniques as open Elective should be sought so that it can be taught by Mathematics department and in place of which DSP Processors & Architectures should be made Program Elective-I.
6. The faculty of the department should be trained to teach Employability Enhancement skills to educate the students towards placement related knowledge.
7. Instead of adhering to few domains only, network related courses like Adhoc networks can be introduced in the structure as pointed out. This is view of more courses introduced on VLSI domain.
8. The Medical Electronics course in PE-II can be replaced with Electronic Instrumentation that internally can be the base for medical electronics.
9. It is suggested to change the title of the course RADAR Systems to RADAR Engineering under PE-V.
10. Satellite Communication course can be introduced as Program Elective instead of offering Robotics or any other course.
11. General suggestion has been given that, wherever possible Textbooks having simulation examples with MATLAB can be included.
12. The quality of the experiments in majority of the laboratory courses discussed was poor and need be modified as suggested. The expected outcome of each experiment should be clearly mentioned in each experiment.

13. In BEE, the concepts of Electrical Safety can be moved to Unit I if possible as mentioned.
14. All the experiments in BEE lab under network theorems can be combined together as a single experiment.
15. The characteristics on PN junction diode and Zener diode can be merged in Fundamentals of Electronic Devices and Circuits Lab.
16. The reference book J. Millman and H. Taub, "Pulse, Digital and Switching Waveforms", can be made as Text book, as suggested.
17. UJT and SCR should be included somewhere in the courses and the experiments for the same also.
18. It was felt that the contents of Analog Circuit Design are very heavy and any possibility of reducing it should be sought.
19. It was found that Quine-McCluskey method of minimization is missing in Digital Logic Circuits and must be added.
20. The registers and counters part should be added with design portion.
21. Digital Design by Morris Mano text book is not that much advisable for ECE back ground for Digital Logic Circuits as mentioned.
22. Majority of the experiments in Digital Logic Circuits Lab should be modified.
23. Central limit theorem should be included in Random Variables & Stochastic Processes course and additive white Gaussian noise should also be included by emphasizing on digital noise much.
24. In signals & systems course difference between low pass and band pass sampling should be included.
25. The analog communication course should include Capture effect and also introduce Carrier to noise ratio and SINR.
26. The text books and reference books for Digital System Design course should be changed as suggested.
27. The title of the course, Digital System Design should be changed and the contents should be modified by excluding verilog programming.
28. Transmission lines in Electromagnetic waves and transmission lines course should be moved from Unit V to Unit I and if done so Textbook order should also be changed. John D Ryder can be used in the place of Umesh Sinha.
29. The course Linear Integrated Circuits and Applications should focus more on applications point of view, as suggested. Comparison of outputs should be included in the syllabus in terms of IC 741 and IC 555 implementations.
30. Fundamentals of signal processing can be introduced with the name as Signal Processing & it's Applications as an open elective offered by the Department.
31. The contents of the course Communication Engineering should be simple and can be renamed as Principles of Communications
32. Instead of Medical Image Processing it is better to offer Embedded Systems as an open electives.
33. The contents and name of the course Advanced Microcontrollers should be modified to suit the requirements of multiple disciplines.

34. It is suggested to provide URLs in the upcoming days and provide unit wise tagging to text and reference books.
35. M. Millman and H. Taub should be made text book than as a reference book, as suggested.
36. In the calendar of events, better to include FDP on online teaching and evaluation methods. There are many methods to develop PPT with voice, keeping your voice to existing YouTube videos so that there is no accent problem to the students etc. There are some lectures on virtual labs also. It will be more useful.
37. The members were informed that the Department faculty were well acquainted with the usage of ICT enabled teaching and are effectively using the LMS platform. It was told that in view of Covid pandemic situation all should get habituated to blended mode of teaching to effectively involve in the teaching learning process.
38. It was pointed out that the students should be engaged in learning the advanced things irrespective of any prevailing situations thereof.
39. The R & D activities in the department for the academic year 2019-20 were briefed to the members. It was told that a total of 4 publications were done in SCI journals along with 72 publications in Scopus Journals. The department faculty has published two patents as mentioned in the meeting.
40. It was felt that R & D activities should be more strengthened by publishing more papers in SCI journals. Even more quality proposals should be sent from the Department to the funding agencies during the academic year 2020-21.
41. All faculty must be well educated above various funding options available and prepare proposals well in advance to avoid any last minute haste.
42. The meeting concluded by mentioning that well framed curriculum and its effective implementation will always help in development of Department as well as the Institution.


HEAD
Department of Electronics &
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List of BoS Members for UG Programme for the A.Y.: 2020-21

S. No.	Name & Designation	Address	Position in BOS	Signature with Date
1.	Dr. Y. Amar Babu, Professor & HOD	LBR College of Engineering Mylavaram-521 230	Chairman	
2.	Dr. A. M. Prasad, Professor of ECE	University College of Engineering, JNTUK, Kakinada. E-Mail : a_malli65@jntucek.ac.in Phone No:9963993504	University Nominee	Attended online
3.	Dr. N. V. S. N. Sarma Director	Indian Institute of Information technology, Trichy E-Mail : sarma@nitw.ac.in Phone No. 9849639262	External Member, Subject Expert	Attended online
4.	Dr. P. Srihari Rao, Associate Professor , Department of ECE	National Institute of Technology, Warangal - 506004, A.P, INDIA E-Mail : patri@nitw.ac.in Phone No. 8702462439,9441342324	External Member, Subject Expert	Attended online
5.	Sri. B. Ravi Kumar, General Manager, BSNL, Vijayawada	BSNL, Vijayawada E-Mail : rkbunga@gmail.com Mobile: 9440000675	External Member, Industry	Attended online
6.	Dr. B. Anil Kumar, Associate Professor, Department of ECE.	Gokaraju Rangaraju Institute of Engineering & Technology (Autonomous), Hyderabad. Mobile No:9985054084 E-mail: anilkumar@griet.ac.in, anilbudati@gmail.com	Alumni	Attended online
7.	Dr. E. V. Krishna Rao Professor ,Dean of R & D	LBR College of Engineering Mylavaram-521 230	Internal Member	
8.	Prof. B. Ramesh Reddy Professor & IQAC In Charge	LBR College of Engineering Mylavaram-521 230	Internal Member	
9.	Dr. A. Narendra Babu Professor	LBR College of Engineering Mylavaram-521 230	Internal Member	
10.	Dr. Y. S. V. Raman Professor	LBR College of Engineering Mylavaram-521 230	Internal Member	
11.	Dr. M. Venkata Sudhakar Professor	LBR College of Engineering Mylavaram-521 230	Internal Member	
12.	Dr. P. Lachi Reddy Professor	LBR College of Engineering Mylavaram-521 230	Internal Member	
13.	Dr. G. Srinivasulu Professor	LBR College of Engineering Mylavaram-521 230	Internal Member	
14.	Dr. G. L. N. Murthy Professor	LBR College of Engineering Mylavaram-521 230	Internal Member	