

**LAKIREDDY BALIREDDY COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS**  
**ENGINEERING**

**Minutes of the BOS meeting held on 7<sup>th</sup> May 2016.**  
**FOR UG & PG Programs**

**Members Present:**

**External BoS Member**

1. Dr. D.V.S.S. Siva Sarma *[Signature]*

2. Dr. G. Kesava Rao *[Signature]*

**Sign**

**Internal BoS Member**

1. Dr. M. Uma Vani *[Signature]*

2. Mr. K.R.L. Prasad *[Signature]*

3. Mr. J. Sivavara Prasad *[Signature]*

4. Mr. P. Deepak Reddy *[Signature]*

5. Mrs. P. Shobha Rani *[Signature]*

**Sign**

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1. Prepared modified course contents for **UG & PG** (R-14) courses as per Outcome Based Learning
2. Suggested panel of names to the Academic Council for appointment of examiners for:
  - **Setting of question papers**
  - **Valuation of answer scripts**
  - **Suggested panel of external examiners for Labs/Mini-projects/Main projects**
3. Identification of subjects for MOOCS courses (R14 regulation)
4. Changes in question paper pattern for Mid and Semester end examinations, quiz, assignments and tutorials-Discussed/Suggested.
5. Ratification of the equivalent subjects for readmitted B.Tech. students-Discussed/Suggested.
6. The finalized Program Specific Outcomes (PSOs) as per NBA new SAR format- Suggested details enclosed/ list below.
7. Refining of Course Outcomes and their mappings to POs + PSOs with refined weights and modify the COs and POs+PSOs assessment process - suggested/Discussed.

List Enclosed

Annexure- Minutes of BOS meeting held on 7/5/2016.

3.Tech EEE

1. S301 Measurement and Instrumentation course content is to be changed with emphasis on Electronics Measurements in the subsequent regulation changes.
2. S214-Electrical Engineering Materials in V semester is placed in Programme Elective-I in place of S332- Optimisation techniques in VI semester.
3. In place of S214- Electrical Engineering Materials in V semester, S227-Elements of Signal Processing of VI semester is placed.
4. S332- Optimisation techniques is taken from Programme Elective-I in VI semester and is made compulsory course in the same semester.
5. The course content of S332- Optimisation techniques is reframed and the subject title is changed as "Optimization techniques in Engineering".
6. In VI semester "S278-Intelligent control systems" syllabus is reframed.
7. IV sem S174 –Control systems UINT-I title is changed as "Introduction-Mathematical Modelling of Control Systems"
8. In the next regulation changes for contents in the course S342-Power Generation and Utilisation, following changes are suggested:
  - include Efficient lighting systems in UNIT III and
  - add text book on Power system Analysis by Stevenson and Grainger in references list.
9. S213- ELECTRICAL DISTRIBUTION SYSTEMS-UNIT IV content is reframed after incorporating distribution automation and communication systems.
10. S346-Power system operation and control-Units IV and V contents are redefined and new Reference book (N.D.Enrique Acha, et al. "FACTS-Modelling and simulation in Power Networks", John wiley publications) on FACTS devices is added.
11. S248 - FACTS CONTROLLERS-Text book (N.D.Enrique Acha, et al. "FACTS-Modelling and simulation in Power Networks", John wiley publications) on FACTS devices is added in prescribed books.
12. Question bank quality(and repetition of question) should be maintained. Instead of 20,

5 questions from each unit may be given.

13. L170 Power Systems Lab experiments must be split into two cycles as simulation and Hardware type.

1. MTW2063 Artificial Intelligent Techniques title is changed as Artificial Intelligent Techniques & Applications. In each unit include specific applications.

UNIT II: Applications: ANN based PWM controller-Selected Harmonic elimination

UNITIV: Fuzzy based Induction motor speed control

UNIT V: GA based optimisation of controller (P-PI-PD-PID) gains

2. Add specific applications in each unit of "DSP Processors & FPGA" (MTEE203).

3. Add various electronic controllers used in industries in the course "Industrial Electronics" (MTEE1061). The PE converters for Heating & Welding process should be added in the content of Unit-V.

4. Add Power electronic contents to the course of "Reactive Power Management" (MTEE1051). Add bidirectional flow, integration issues and islanding issues. The title of course is to be changed as "Reactive power for Power Electronics".

5. The contents of Unit-I and Unit-III need to be refined with useful content for PE students in the course "Computational Mathematics" (MTEE104).

6. "Reliability Systems Engineering" is not required for Power Electronics specialization students.

7. Add power electronic converter controllers in "Control of Motor Drives-I and II" courses.

8. Add harmonic mitigation techniques in the course "Power Quality".

### Suggestions:

- For UG and PG complete examination system is to be changed
- External Evaluation for Labs, Projects, etc. can be done by the local faculty only.
- Spot Centre-Evaluation can be double valuation by local people. If there is a difference of set value, then it can be sent for third valuation.
- Tutorial hours need not be mandatory for all courses.
- Academic schedule (Time table) should not be tight, there should be free time for students to enable self learning.
- Where ever possible industry experts may be invited to cover part of the core courses (10-20%).
- Educate students/Faculty about the library resources available in the institute.
- Student/Faculty must be encouraged to use Lab/Library facilities beyond the working hours.
- Identify the research areas of interest and form the research groups in the department and arrange monthly meeting of research groups for discussions
- Faculty should be motivated to submit research proposals to various funding agencies
- EEE department may take initiative and workout the replacement of existing lighting systems with LEDS.
- EEE department may plan for a National level Conference once in every two years.
- There should be a differentiation in credits between the Core and Elective courses.
- No. of contact hours should be based on the no. of credits.
- Department may offer more than one elective course based on student interest.

M. Chatter