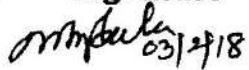
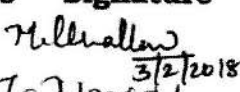
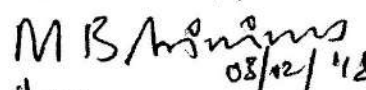
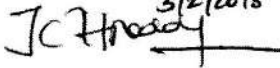

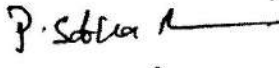

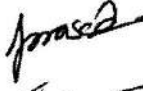

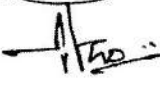
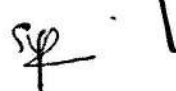


LAKIREDDY BALIREDDY COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING

Minutes of the BOS meeting Held on 3rd February 2018.
FOR UG COURSES

Members Present:

| External BoS Members | Signature | Internal BoS Members | Signature |
|-----------------------------|---|-----------------------------|--|
| Dr. M.Sydulu |  | Dr. M.Uma Vani |  |
| Dr. M.B.Srinivas |  | Dr. K.Harinadha Reddy |  |
| Er. Ch. Sri Prakash |  | Dr. P. Sobha Rani |  |
| Dr. N. Gowtham Kumar |  | Dr.K.R.L. Prasad |  |
| | | Dr.M.S.Giridhar |  |
| | | Dr.G.Nageswra Rao |  |
| | | Mr.J.Sivavara Prasad |  |

1. Approved B.Tech III & IV year Course Outcomes, course contents for core, elective and add-on courses as per OBE system.
2. Approved substitute courses for readmitted students (Transitory Regulation).
3. Methodologies for improvement of teaching learning process- Discussed/Suggested.
4. Inputs on 2017 model curriculum specified by AICTE- Discussed/Suggested.
5. Improvement in research component in the areas of current interest.
6. Approved panel of examiners for setting of question papers, evaluation of answer scripts and Labs/Mini-projects/Main projects.

Note: The details of resolutions are enclosed as Annexure

Annexure-Minutes of EEE BOS Meeting held on 03-02-2018

1. V-Semester course "17EE13-Optimization Techniques in Engineering" title may be changed as "Classical and Heuristic Optimization Techniques".
2. Changes in the course content are suggested for the following courses:
 - "17EE11- Electrical Machines II", 'soft starters' concept may be included in Unit-V. Relevant text books need to be added.
 - "17EE13-Classical and Heuristic Optimization Techniques", units are rearranged as follows:
 - (i) Units I, II, III, IV- Classical optimization Techniques
 - (ii) Unit V-Heuristic methods
 - "17EE14- Renewable Energy Technologies" content may be rearranged as follows:
 - (i) Units I and II are to be combined.
 - (ii) In unit-IV, 'Integration of Renewable Energy Sources' may be added.
 - "17EE17-Analog and Digital Signal Processing", the following corrections are to be made:
 - (i) 'Wavelets' topic may be added in unit-III
 - (ii) 'Wavelet filters' topic may be added in unit-V.
 - "17EE18-Power System Analysis", Text book on 'Power system Analysis' by Jr.Stevenson,4th edition may be added as prescribed textbook .
 - "17EE20-Measurements and Instrumentation", 'Measurement practices in substation' topic may be added in unit-V.
 - "17EE51-Digital Controllers", "Arm control architecture" concept may be added in unit-III.
 - "17EE52-Data Communications and Networking", 'mobile technologies-GSM, LTE, 5G' topics may be added in unit-III.
 - "17EE68-Electrical Machines II Lab", 'High rating synchronous machine with soft starter' experiment may be demonstrated (using simulation tools).
 - "17EE22-Power Systems Operation and Control", 'restricted governing mode of operation' may be added in unit-III.
 - "17EE24-Intelligent Control Systems", "Machine learning algorithms" may be added in unit-I.
 - "17EE28-Energy Conservation and Audit", 'Smart meters' topic may be added in unit-I.
 - "17EE30-Energy Storage Systems", the following corrections are to be done:
 - (i) 'Super conducting energy storage' topic may be added in unit-I.
 - (ii) 'Lithium ion batteries' topic may be added in unit-III.
 - "17EE31-Distribution System Planning and Automation", 'automated demand management' concepts may be added.
 - "17EE92-High Voltage Engineering", the following corrections are to be done :

- (i) 'Transformer oil' concepts may be added in unit-II.
- (ii) 'Partial discharge and acoustic measurement' topics may be added in unit-IV.
- "17EE32-Special Electrical Machines", 'Hysteresis motors' topic may be added in unit-III.
- "17EE38-Smart & Micro Grid", 'IOT' topic may be added after 'wide area monitoring' in unit-II.

Others:

- "17EE12-Electrical Power Transmission", 'state of art technologies and practical aspects' to be covered while teaching the course.
- "17EE21-Power System Protection", 'recent industrial practices' to be covered while teaching unit-V.
- "Analysis of core concepts using simulation tools" may be covered in relevant courses. This point may be added at the end of unit-V as a note.

Suggestions on AICTE model curriculum:

- Since the guidelines are given by AICTE, the committee is of the view that the model curriculum proposed by AICTE may be followed as and when it is made mandatory.

Methodologies in improvement of Teaching Learning Process

- Refresher courses by NITTTR, Chennai and lectures by Industrial Experts may be arranged for faculties during semester breaks.
- Centre of excellence in teaching may be established in the institute in lines of IIT Khargpur and IIT Madras.