



Geethanjali

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Geethanjali College of Engineering and Technology

AUTONOMOUS

(Accredited by NBA, Approved by AICTE, New Delhi)

Sy.No. 33 & 34, Cheeryal (V), Keesara (M), Medchal District. - 501 301.

Board of Studies meeting of Department of Electrical and Electronics Engineering

Minutes of the meeting of the Board of Studies (BoS) meeting held on 28th October, 2020. (In online Mode)

Members Present:

1. Dr. N. V. Ramana

2. Dr. B. V. V. S. N. Prabhakar Rao

3. Dr. P. V. Rajgopal

4. Dr. Radhika Dora

5. Dr. M. Aruna Bharathi

6. Dr. P. Anil Kumar

7. Dr. Harish Pulluri

8. Dr. B. Madhuri

9. Mr. N. V. Bharadwaj

I. New Course Structure of AR 20

Suggestions given by Dr. N. V. Ramana:

1. Compared the proposed structure with existing AR18 structure along with AICTE Model Curriculum and the following modifications were suggested.
2. Fluid Mechanics and Hydraulic Machinery Theory and Lab courses were replaced with Power Electronics Theory and Lab.
3. Control Systems and Instrumentation cannot be clubbed and need to be two separate subjects.

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4. Power System Protection cannot be excluded.
5. Power System Analysis to be shifted to previous semester.
6. AI in deregulation environment can be added in IV Year I semester
7. Java Programming if needed can be included.

Suggestions given by Dr. B. V. V. S. N. Prabhakar Rao:

1. Circuit Analysis Title to be changed to Electrical Circuit Analysis
2. Statistics for Machine Learning may be specified as Statistical Machine Learning.

Suggestions given by Dr. P. V. Rajgopal:

1. 20MB22P2 – Indian Constitution can be excepted.
2. Statistics for Machine Learning Theory and Lab courses can be renamed as Algorithms for Machine Learning Programming
3. Proposed few Elective Subjects:
 - i. Battery Energy Storage Systems and their Applications
 - ii. Electronic & Electrical Measuring Instruments
 - iii. Python Programming Language
 - iv. R- Programming Language
4. Energy Conservation and Audit can be replaced with Energy Management and Audit
5. Instrumentation and Measurement Techniques can be renamed as Testing & Measurement Equipment—Design, Operation & Maintenance
6. Internet of Things can be renamed as Internet of Things and their Applications in Power & Energy Sectors
7. Electrical Drives can be renamed as Power Electronic Convertors & Variable Speed Electric Drive Systems
8. Proposed few open elective titles:
 - i. Energy Efficient Building Management Systems (BMS)
 - ii. Applications of Data Analytics in Power & Energy Sectors
 - iii. Wireless Power Transfer Systems
 - iv. Knowledge Management & Patenting of Innovations.
 - v. Supply Chain Management
9. Power Quality can be renamed as Power Quality & Renewable Energy Systems (RES) Integration Issues with Utility & Microgrids
10. Principles of Automobile Engineering can be replaced with Microgrids and their Applications

II. Syllabus formation of I Year and II Year of Electrical and Electronics Engineering.

As there is not much deviation in the content of syllabus of II-year Core Courses of AR18 Curriculum, BoS members approved the proposed syllabus content of the following Courses:

S. No.	Course Code	Course Name
1	20EE21002	Electromagnetic Fields
2	20EE21003	Electrical Circuit Analysis
3	20EE21004	Power Electronics
4	20EE21L02	Electrical Circuit Analysis Lab
5	20EE21L03	Power Electronics Lab
6	20EE21005	Design Thinking*
7	20EE22001	Generation and Utilization of Electrical Energy
8	20EE22002	Electrical Machines – I
9	20EE22003	Signals, Systems and Transform Techniques
10	20EE22L01	Electrical Machines – I Lab
11	20EE22L02	Signals, Systems and Transform Techniques Lab

III. Syllabus formation of Basic Electrical Engineering Theory and Lab Courses

Basic Electrical Engineering syllabus was approved by the members with Minor changes in AR18 - Basic Electrical Engineering Syllabus for both theory and Lab courses.

IV. Syllabus formation of Open Elective – I (Industrial Safety and Hazards).

AR18 syllabus of Industrial Safety and Hazards was considered for AR20 without any modifications.