



PRAGATI ENGINEERING COLLEGE

(Autonomous)

ADB Road, Surampalem, E.G. Dt. A.P. - 533 437

(Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada)

(Recognized by UGC Under Sections 2(F) and 12 (B) of UGC act. 1956)

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Department of Electrical and Electronics Engineering

Department of EEE, Pragati Engineering College (Autonomous) is conducting Online BOS meeting on 14.06.2022 for ratification of the following.

AGENDA:

1. Welcome Address by Chairman-BOS.
2. Discussion on proposed R-20 B.Tech EEE course structure along with Third year, Fourth year syllabi and ratification of the same.
3. Discussion on proposed R-20 B.Tech, EEE Offered Open Electives for Other Departments syllabi and ratification of the same.
4. Discussion on ratification of course objectives, Course outcomes and CO-PO mapping.
5. Discussion on ratification of new courses in R20 regulation
6. Discussion on ATR as per suggestions given by stakeholders
7. Finalization of text books & reference books
8. Any other item.



Thanks & Regards

Mrs. K. Sandya rani
BOS-Chairman



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Department of Electrical and Electronics Engineering

RESOLUTIONS TAKEN:

1. Considered Item No. 2.

Resolved to ratify the proposed R-20 Course structure and syllabi of following courses of third year and final year B.Tech (R-20 regulations) along with course objectives and course outcomes.

S.No	Name of the Program	Name of the Course	Year and Semester
1	B. Tech (R-20)	Power system -II	III-I EEE
2		Power Electronics	III-I EEE
3		Control Systems	III-I EEE
4		Utilization of Electrical Energy(Professional Elective – I)	III-I EEE
5		Control Systems Laboratory	III-I EEE
6		Power Electronics Laboratory	III-I EEE
7		Summer Internship 2 Months (Mandatory) after second year (to be evaluated during V semester)	III-I EEE
8		Electrical Measurements and Instrumentation	III-II EEE
9		Power System Analysis	III-II EEE
10		Electric Drives(Professional Elective – II)	III-II EEE
11		Advanced Control Systems (Professional Elective – II)	III-II EEE
12		Power System Operation and Control (Professional Elective – II)	III-II EEE
13		Electrical Measurements and Instrumentation Laboratory	III-II EEE
14		Power Systems and Simulation Laboratory	III-II EEE
15		Renewable and Distributed Energy Technologies (Professional Elective – III)	IV-I EEE
16		Flexible AC Transmission Systems(Professional Elective – III)	IV-I EEE
17		Power Systems Deregulation(Professional Elective – III)	IV-I EEE
18		Hybrid Electric Vehicles (Professional Elective – IV)	IV-I EEE
19		High Voltage Engineering(Professional Elective – IV)	IV-I EEE
20		Programmable Logic Controllers and Applications(Professional Elective – IV)	IV-I EEE

21		Switchgear and Protection (Professional Elective – V)	IV-I EEE
22		Switched Mode Power Conversion (Professional Elective – V)	IV-I EEE
23		AI Applications to Electrical Engineering (Professional Elective – V)	IV-I EEE
24		Industrial / Research Internship 2 Months (Mandatory) after third year (to be evaluated during VII Semester)	IV-I EEE
25		Project work, seminar, and internship in industry (6 Months)	IV-II EEE

The approved Course structure and syllabi are enclosed herewith. (Annexure-I, II for R-20 B.Tech EEE III- & IV-Year Syllabi) .

2. Considered Item No. 3.

Resolved to ratify the proposed syllabi of following courses of EEE Offered Open Electives For other Departments (R-20 regulations) along with course objectives and course outcomes.

S. No.	Name of the Programme	Name of the Course	Year and Semester
1.	B. Tech (R-20)	Renewable Energy Engineering	III-I CE, ME, ECE, CSE and IT
2.		Fundamentals of Electric Vehicles	III-II CE, ME, ECE, CSE and IT
3.		Battery Management Systems and Charging Stations	IV-I CE, ME, ECE, CSE and IT
4.		Smart Grid Technologies	IV-I CE, ME, ECE, CSE and IT

The approved syllabi are enclosed herewith. (Annexure-II for EEE Offered Open Electives for other Departments.

3. Considered Item No. 4.

The members ratified course objectives, course outcomes and CO-PO mapping of all the courses in the course structure.

4. Considered Item No. 5.

The members ratified 32 new courses for III & IV year in R-20 regulation. The details are enclosed in Annexure III.

5. Considered Item No. 6.

Based on the ATR, the suggestions given by the stakeholders are included. The details are enclosed in Annexure IV.

6. Considered Item No. 7.

Resolved to ratify the textbooks and reference books as mentioned in the Item Nos.2, 3.

7. Considered Item No. 8.

i) As per the BOS Members suggestion, III Year I semester: Control Systems Laboratory, Experiment No.12 is to be replaced with Experiment No.13 as follows:

“Block Diagram Representation of Field Controlled DC Servo Motor using SIMULINK.”

ii) As per the BOS Members suggestion, “AC servo Motor” topic is to be included in UNIT 1 of Control Systems Theory of III Year I semester.

iii) “Single phase and three phase - half wave rectifiers” in UNIT 2 and UNIT 3 respectively, of Power Electronics Theory of III Year I semester are removed according to the BOS Members suggestion.

iv) Power System Operation and Control of Professional Elective – V in IV Year I semester is swapped with Switchgear and Protection of Professional Elective – II, as per the BOS Members suggestion.

v) In accordance with the suggestion from BOS Members, III Year II semester (Professional Elective – II): Advanced Control Systems, UNIT 2 title is changed to “Controllability - Observability and Design of State Feedback Control” instead of “Controllability - Observability and Design of Pole Placement”.

vi) As per the BOS Members suggestion, III Year II semester: Power Systems and Simulation Laboratory, Experiment No.12, 13, 14 is to be replaced with Experiment No.11, 13, 14 as follows:


“Calibration of Tong Tester.”

“Fast Decoupled flow analysis using MATLAB.”

“Short Circuit analysis for line to ground fault and line to line fault using MATLAB.”

Finally, Chairman of BOS thanked all the members for their valuable inputs and active participation in the meeting.

You are requested to collect the above information and approve the same.


Thanks & Regards
Mrs. K. Sandya rani
BOS-Chairman

