

SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)

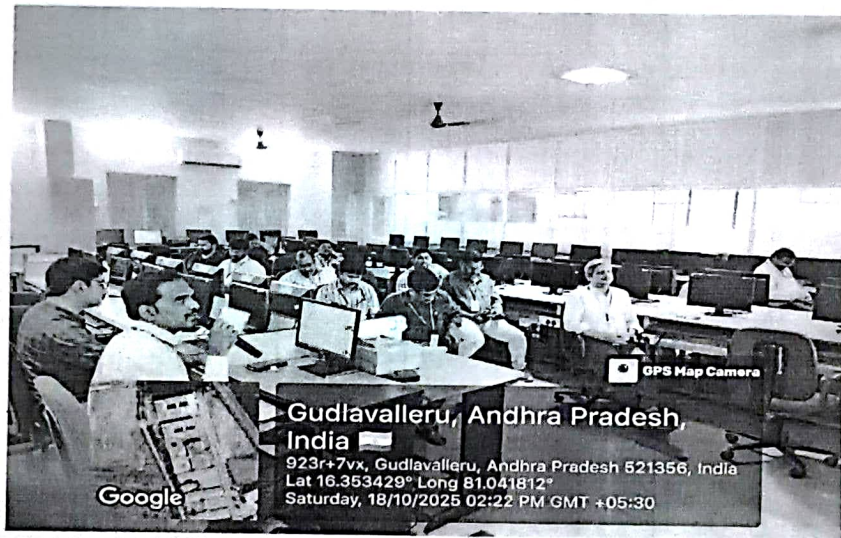
Seshadri Rao Knowledge Village, Gudlavalleru

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

20th October 2025

MINUTES OF BOARD OF STUDIES MEETING

The Board of Studies (BOS) meeting was conducted online via Microsoft Teams from 2.00 PM to 4.00 PM on 18-10-2025 (Saturday) to discuss and finalize the course structure and syllabus of M.Tech in Power Electronics & Electric Drives of R25 regulations.

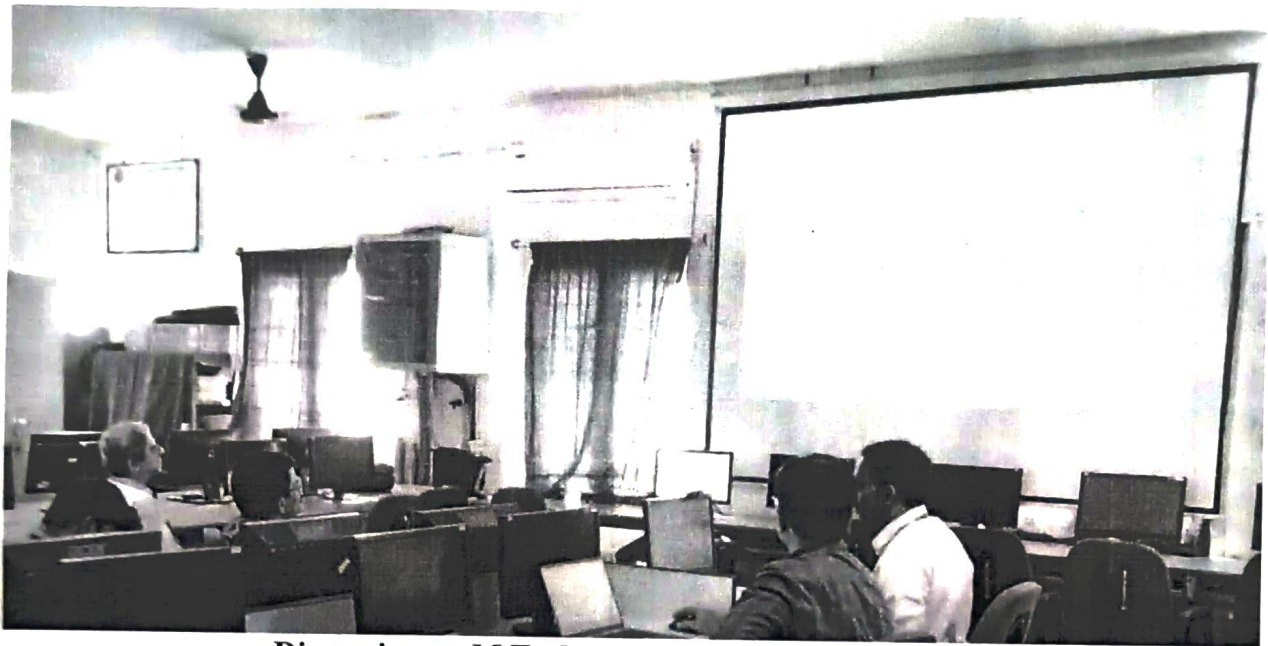


Welcome Address by BOS Chairman Dr.A.Amarendra

Members of Board of Studies during the meeting

Agenda Point:

To discuss and finalize the M.Tech PE&ED course structure and syllabi of R25 Regulations.



Discussion on M.Tech course structure and Syllabus

1. Dr.V.T. Somasekhar, Dr.Rayapudi Srinivasa Rao, and Mr.K.Ramesh Naidu suggested to remove the mathematical model of DC series motor and DC compound motor in the subject Electrical Machine Modelling and Analysis as these motors are seldom used now a days.
2. Dr.V.T.Somasekhar suggested to modify the content of Unit-II AC-DC Converters with Front End AC-DC Converters in the subject Power Electronic Converters.
3. Dr.V.T. Somasekhar and Dr.Rayapudi Srinivasa Rao suggested to suggested to remove the repeated content in Unit-II (content already present in Unit-I) to reduce redundancy.
4. Dr.V.T.Somasekhar suggested to remove the content regarding batteries, ultra capacitors and fuel cells in the subject Industrial Control Electronics as the similar contents are already present in the subject Electrical Vehicles.
5. Dr.V.T.Somasekhar suggested to remove the contents on Static Shunt Compensators and Static Series Compensators and rename the Unit-V as Unified Power Flow Controller in the subject HVDC Transmission and Flexible AC Transmission Systems.

6. Dr.V.T.Somasekhar suggested to add an experiment on Simulation of DC-DC converters using N-M method in the subject Power Converters Simulation Laboratory.
7. Dr.V.T.Somasekhar suggested to remove the Unit-II Sensorless Control of Induction Motor Drive in the subject Power Electronic Control of Electrical Drives. He suggested to make already existed unit-I as Unit-II. He also suggested to include a unit on Control of Separately Excited DC Motor Drive and make it as Unit-I. He also suggested to include a text book on "Simulation of Power Electronic Circuits" by V.Ramanarayanan and V.T.Ranganathan, Narosa Publishing House, New Delhi, 2006.
8. Dr.V.T.Somasekhar suggested to remove Unit-I EV Batteries in the subject Battery Management Systems and Charging Stations as the topics on EV Batteries are already covered in Electrical vehicles subject. He also suggested to adjust the already existed Unit-II syllabus into first two unit's syllabus, if necessary, by adding some more topics.


(Dr.A.Amarendra)
BOS Chairman