



Department of Electrical & Electronics Engineering

Minutes of 4th Board of Studies held on 17th November 2025.

Agenda of the Board of Studies Meeting

- Approval of M.Tech (Power Systems)- Course Structure & Syllabus of I & II M.Tech I & II Sem (V25)--Discussed/Approved
- Approval of M.Tech -Power Systems-Course outcomes of I & II M.Tech I & II Sem--Discussed/Approved
- V25 Regulation-- Discussed/Approved.
- Any other matter with permission of Chair.

Note: Detailed resolutions are enclosed.

S. No	Name of the Member	Designation	Signature
1	Dr. K. Kiran Kumar	BOS-Chairman	
2	Dr. K. Venkata Reddy, Professor, Dept of EEE, JNTUK, Kakinada	Member (University Nominee)	 Present-Online
3	Dr. D V S S Siva Sarma Professor of EEE, National Institute of Technology, Warangal. (NIT-W)	Member (Subject Expert)	Present-Online
4	Dr. CH. Ravi Kumar Assoc. Professor, EEE Dept., Acharya Nagarjuna University (ANU), Guntur	Member (Subject Expert)	Present-Online
5	Mr. S. Prathap, O/o Chief Engineer Commercial, APGENCO	Subject Expert (Industry)	Present-Online
6	Mr. N Malikarjuna Prasad ADE, APTRANSCO, Vijayawada	Expert (Outside)	-Absent-
7	Mr. B. Kutumba Rao Manager Industrial Automation, Trunking Technology Ltd., HYD	Alumni	-Absent-

8	Mrs. K. Ramya	Internal Member	<i>K. Ramya</i>
9	Mr. P. Uday Kumar	Internal Member	<i>P. Uday</i>
10	Mrs. M. Hari Priya	Internal Member	<i>Hari Priya</i>
11	Mr. G. Chitti Babu	Internal Member	<i>Chitti Babu</i> <i>ABSENT</i>
12	Mrs. P. Vijaya Haritha	Internal Member	<i>P. Vijaya Haritha</i>

Dr. Kiran Kumar, Head of the Department of Electrical and Electronics Engineering at Sree Vahini Institute of Science and Technology, Tiruvuru, chaired the meeting. He sincerely thanked all the external examiners for their consent to serve on the Department's Board of Studies and for their valuable suggestions aimed at its improvement. He also extended a warm and cordial welcome to all the esteemed members of the Board.

Dr. K Kiran Kumar acknowledged the members for their insightful recommendations, guidance, and concern toward the overall development of the department. He then presented an overview of the college along with the agenda for the meeting.

1. Approval of M.Tech Power Systems- Course Structure & Syllabus of I M. Tech I & II sem and Information on V25 Regulations- P.G (M.Tech).

BOS Chairman informed the details related to the V25 course structure, Syllabus I M.Tech I & II sem V25 regulations to all the BOS members.

P.G (M.Tech) Course Structures as follows based on suggestion.

I Year-I Semester (V25)

S. No.	Course Title	L	T	P	C
1	Program Core-1 Power Generation, Operation & Control	3	1	0	4
2	Program Core-2 Smart Grid Technologies	3	1	0	4
3	Program Core-3 Reactive Power Compensation and Management	3	1	0	4
4	Program Elective-I i. Electrical Distribution Automation ii. Advanced Power Systems Protection iii. Electric Vehicles	3	0	0	3
5	Program Elective-II i. HVDC Transmission ii. Power Electronic Converters iii. Programmable Logic Controllers & Applications	3	0	0	3

6	Laboratory-1 Power System Simulation Laboratory-I	0	1	2	2
7	Laboratory-2 Power Systems Laboratory	0	1	2	2
8	Seminar-I	0	0	2	1
TOTAL		15	5	6	23

I Year-II Semester (V25)

S. No.	Course Title	L	T	P	C
1	Program Core-4 Real Time Control of Power Systems	3	1	0	4
2	Program Core-5 Restructured Power Systems	3	1	0	4
3	Program Core-6 Flexible AC Transmission Systems	3	1	0	4
4	Program Elective-III i. Generation & Measurement of High Voltages ii. Evolutionary Algorithms in Power Systems iii. Energy Audit Conservation & Management	3	0	0	3
5	Program Elective-IV i. Power Quality Enhancement Using Custom Power Devices ii. Renewable Energy Technologies iii. Battery Management systems and charging stations	3	0	0	3
6	Laboratory-3 Power System Simulation Laboratory-II	0	1	2	2
7	Laboratory-4 Renewable Energy Technologies Laboratory	0	1	2	2
8	Seminar-II	0	0	2	1
	TOTAL	15	5	6	23

II Year M. Tech (Power Systems) I –Semester

S. No.	Course Title	L	T	P	C
1	Research Methodology and IPR/Swayam12-week MOOC course – RM & IPR	3	0	0	3
2	Summer Internship / Industrial Training (8-12 weeks)*	-	-	-	3
3	Comprehensive Viva [#]	-	-	-	2
4	Dissertation Part-A ^{\$}	-	-	20	10
	TOTAL	3	-	20	18

*Student attended during summer/year break and assessment will be done in 3rd Sem.

[#]Comprehensive viva can be conducted courses completed up to 2nd sem.

^{\$}Dissertation–Part A, internal assessment.

II Year M.Tech (Power Systems Group) II –Semester

S. No.	Course Title	L	T	P	C
1	Dissertation Part-B%	-	-	32	16
	TOTAL	-	-	32	16

% External Assessment

Decision:

- ❖ A miniature changes (additions and deletions) are made with the suggestions given by BOS members (V25 regulations)
- ❖ In I sem rename the Power System Operation & Control (PSOC) as Power Generation, Operation and Control (PGOC).
- ❖ Regarding the Power system Lab (I Sem)
 - i. Characteristic of Static Negative sequence relay is added.
 - ii. Characteristics of over voltage relay using Electromagnetic type is added.

- ❖ Noted and approved the course structure.

2. Approval of M.Tech (Power Systems)-Course outcomes of I M.Tech I & II Sem.

The BOS chairman informed the course outcomes of I sem & II sem courses and articulation matrix to all the BOS members.

Decision:

- ❖ The Course Outcome changes are made with the suggestions of BOS members.
- ❖ Recommended to follow the latest POs as per the new NBA format for CO-PO's mapping.
- ❖ Noted and approved the course outcomes specifications and articulation matrix.


HEAD BOS Chairperson
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