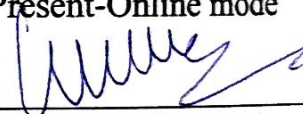
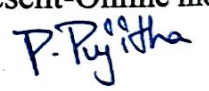

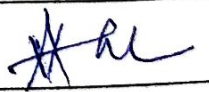






Date: 21.06.2025

**Minutes of Board of Studies (BOS) Meeting**

The Board of Studies (BOS) meeting of the Department of Electrical and Electronics Engineering was conducted on 21.06.2025 at 10.30 AM in the hybrid (online / offline) mode

**Members :**

S. No.	Name of BOS member and affiliation	Role in the BOS	Signature
1	Dr. Ch. Padmanabha Raju, Professor & HoD, Dept. of EEE, PVPSIT	Chairman, HOD - EEE	Present-Online mode
2	Dr. R. Srinivasa Rao, Professor Department of EEE UCEA, JNTUK, Kakinada	Member, JNTUK University Nominee	Present-Online mode
3	Dr. K. Siva Kumar, Professor Department of Electrical Engineering IIT, Hyderabad Member	Member, Nominee from Academic Council	Present-Online mode
4	Dr. K. Vaisakh, Professor Department of Electrical Engineering UCEA, AU, Visakhapatnam	Member, Nominee from Academic Council	Present-Online mode
5	Sri G. Subrahmanyeswara Rao Proprietor G.S. Transformers, Vijayawada	Member, Representative from Industry	Present-Online mode 
6	Ms. P. Pujitha Assistant Executive Engineer, APTRANSCO, Vijayawada	Member, Alumni	Present-Online mode 
7	Dr. K. Lenin, Professor, Dept. of EEE, PVPSIT	Internal Member	Absent
8	Dr. M.V. Ramesh, Associate Professor, Dept. of EEE, PVPSIT	Internal Member	
9	Dr. N. Vijaya Anand, Associate Professor, Dept. of EEE, PVPSIT	Internal Member	
10	Dr. C. Kumar, Associate Professor, Dept. of EEE, PVPSIT	Internal Member	
11	Dr. D. Raga Leela, Sr. Assistant Professor, Dept. of EEE, PVPSIT	Internal Member	Present-Online mode
12	Dr. J. Hemalatha, Sr. Assistant Professor, Dept. of EEE, PVPSIT	Internal Member	
13	Dr. B. Baddu Naik, Assistant Professor, Dept. of EEE, PVPSIT	Internal Member	
14	Dr. B. Bala Sai Babu, Assistant Professor, Dept. of EEE, PVPSIT	Internal Member	

## Agenda

1. To approve the minutes of the previous BOS meeting conducted on 19<sup>th</sup> December 2024.
2. Review and approval of B.Tech, EEE, 3<sup>rd</sup> year, I & II semesters course structure and syllabus under PVP23 regulations.
3. Review and approval of B.Tech, EEE, 4<sup>th</sup> year, I & II semesters tentative course structure under PVP23 regulations.
4. Review and approval of the courses and syllabus offered to B.Tech., EEE - Honors students under PVP23 regulations.
5. Review and approval of the courses and syllabus offered to B.Tech., Minor students (other branches students) under PVP23 regulations.
6. Any other item with the permission of the chair.

## Resolutions

1. Approved the minutes of the previous BOS meeting conducted on 19<sup>th</sup> December 2024.
2. Approved the B.Tech, EEE, 3<sup>rd</sup> year, I & II semesters course structure and syllabus under PVP23 regulations.

### **B.Tech.-EEE - III Year-I Semester**

S.No.	Category	Title	L	T	P	C
1	Professional Core	Power Electronics	3	0	0	3
2	Professional Core	Digital Circuits	3	0	0	3
3	Professional Core	Power Systems-II	3	0	0	3
4	Professional Elective- I	1. Signals and Systems 2. Renewable Energy Resources 3. Computer Architecture and Organization	3	0	0	3
5	Open Elective-I (Except EEE)	1. Renewable Energy Sources 2. Concepts of Energy Auditing & Management 3. Entrepreneurship Development & Venture Creation	3	0	0	3
	Note: Open Elective-I for EEE students is offered through MOOC's.					
6	Professional Core	Power Electronics Lab	0	0	3	1.5
7	Professional Core	Analog and Digital Circuits Lab	0	0	3	1.5
8	Skill Enhancement course	Soft skills	0	1	2	2
9	Engineering Science	Tinkering Lab	0	0	2	1
10	Evaluation of Community Service Internship		-	-	-	2
<b>Total</b>			<b>15</b>	<b>1</b>	<b>10</b>	<b>23</b>

### B.Tech.-EEE - III Year-II Semester

S.No.	Category	Title	L	T	P	C
1	Professional Core	Electrical Measurements and Instrumentation	3	0	0	3
2	Professional Core	Microprocessors and Microcontrollers	3	0	0	3
3	Professional Core	Power System Analysis	3	0	0	3
4	Professional Elective-II	1. Switchgear and Protection 2. Advanced Control Systems 3. Renewable and Distributed Energy Technologies	3	0	0	3
5	Professional Elective-III	1. Electric Drives 2. Digital Signal Processing 3. High Voltage Engineering	3	0	0	3
6	Open Elective - II	1. Fundamentals of Electric Vehicles 2. Electrical Wiring Estimation and Costing	3	0	0	3
7	Professional Core	Electrical Measurements and Instrumentation Lab	0	0	3	1.5
8	Professional Core	Microprocessors and Microcontrollers Lab	0	0	3	1.5
9	Skill Enhancement course	IoT Applications of Electrical Engineering Lab	0	1	2	2
10	Audit Course	Research Methodology	2	0	0	-
<b>Total</b>			<b>20</b>	<b>1</b>	<b>08</b>	<b>23</b>

3. Approved the syllabus for the courses offered to EEE students during 3<sup>rd</sup> year, I & II semesters under PVP23 regulations and suggested some modifications in the Electrical measurements & instrumentation and Electrical measurements & instrumentation Lab courses.
4. Reviewed the B.Tech., EEE, 4<sup>th</sup> year I & II semesters tentative course structure under PVP23 regulations.

### B.Tech. IV Year-I Semester

S.No.	Category	Title	L	T	P	C
1	Professional Core	Power System Operation and Control	3	0	0	3
2	Management Course- II	Energy Management & Auditing	2	0	0	2
3	Professional Elective-IV	1. EHVAC & HVDC Transmission Systems 2. Programmable Logic Controllers 3. Electrical Distribution System	3	0	0	3
4	Professional Elective-V	1. Electric Vehicles 2. Switched Mode Power Conversion 3. Design of PV systems	3	0	0	3
5	Open Elective - III	1. Battery Management Systems and Charging Stations 2. Concepts of Smart Grid Technologies	3	0	0	3

6	Open Elective-IV	1. Concepts of Power Quality 2. Intelligent Control Systems	3	0	0	3
7	Skill Enhancement Course	Power Systems Simulation Lab	0	0	4	2
8	Audit Course	Constitution of India	2	0	0	-
9	Internship	Evaluation of Industry Internship	-	-	-	2
<b>Total</b>			<b>16</b>	<b>1</b>	<b>02</b>	<b>21</b>

B.Tech. IV Year-II Semester

S.No.	Category	Title	L	T	P	C
1	PR	Internship and Project	-	-	24	12

5. Approved the following courses and syllabus to be offered to B.Tech., EEE - Honour stream students under PVP23 regulations.

**Power Electronics**

S.No.	Course	Title	L	T	P	C
1	I	Special Electrical Machines	3	0	0	3
2	II	Machine Modeling and Analysis	3	0	0	3
3	III	Power Electronic Converters	3	0	0	3
4	IV	Power Quality and Custom Power Devices	3	0	0	3
5	V	Power Electronics for Renewable Energy systems	3	0	0	3
6	VI	Industrial Applications of Power Electronic Converters	3	0	0	3
7	VII	Advanced Electrical Drives	3	0	0	3
8	VIII	FACTS Controllers	3	0	0	3
9	IX	Power Converters Laboratory	0	0	3	1.5
10	X	Electric Drives Laboratory	0	0	3	1.5
11	XI	Renewable Technologies Laboratory	0	0	3	1.5
12	XII	Electric Vehicles Laboratory	0	0	3	1.5

### Power Systems

S.No.	Course	Title	L	T	P	C
1	I	Electric Power Quality	3	0	0	3
2	II	Smart Grid Technologies	3	0	0	3
3	III	Power System Deregulation	3	0	0	3
4	IV	Real Time Control of Power Systems	3	0	0	3
5	V	Advanced Power Systems Protection	3	0	0	3
6	VI	Battery Management System	3	0	0	3
7	VII	Flexible AC Transmission Systems	3	0	0	3
8	VIII	AI applications in Power Systems	3	0	0	3
9	IX	Power Systems Lab	0	0	3	1.5
10	X	Advanced Power Systems Simulation Lab	0	0	3	1.5

6. Approved the following courses and syllabus to be offered to B.Tech., Minor students (other branches students) under PVP23 regulations.

S.No.	Course	Title	L	T	P	C
1	I	Concepts of Control Systems	3	0	0	3
2	II	Fundamentals of Electrical Measurements and Instrumentation	3	0	0	3
3	III	Concepts of Power System Engineering	3	0	0	3
4	IV	Fundamentals of Power Electronics	3	0	0	3
5	V	Basics of Electric Drives and applications	3	0	0	3
6	VI	Fundamentals of utilization of Electrical Energy	3	0	0	3
<b>Total</b>			<b>18</b>	<b>0</b>	<b>0</b>	<b>18</b>

7. Approved the following MOOCs/NPTEL courses to be offered to B.Tech, EEE under PVP23 regulations.

S. No	Course Name
1	Introduction to Internet of Things
2	Electronic Systems Design: Hands-on Circuits and PCB Design with CAD Software
3	Introduction to Fuzzy Set Theory, Arithmetic and Logic
4	Solar Energy Engineering and Technology
5	Science, Technology and Society
6	Programming In Java
7	Machine Learning and Deep Learning - Fundamentals and Applications
8	Basic Environmental Engineering and Pollution Abatement
9	Foundations of Virtual Reality
10	Ecology and Society
11	Energy Materials and Devices
12	Introduction to Film Studies
13	Public Speaking
14	Organizational Behaviour
15	Industrial Safety Engineering
16	Product and Brand Management

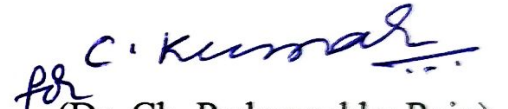
8. Approved the following MOOCs/NPTEL courses to be offered to B.Tech., EEE - Honour stream students under PVP23 regulations.

S. No	Course Name
1	Probability Foundations for Electrical Engineers
2	Electrical Distribution System Analysis
3	Linear Systems Theory
4	Economic Operations and Control of Power Systems
5	Design of Photovoltaic Systems
6	Electronic Systems Design: Hands-on Circuits and PCB Design with CAD Software
7	Power System Protection
8	Charging Infrastructure
9	Design of Electric Motor
10	Advanced Distribution System Analysis and Operation
11	Line Commutated and PWM Rectifiers
12	Control and Tuning Methods in Switched Mode Power Converters

9. Approved the following MOOCs/NPTEL courses to be offered to B.Tech., Minor students under PVP23 regulations.

S. No	Course Name
1	Electrical Machines - I
2	Basic Electrical Circuits
3	Economic Operations and Control of Power Systems
4	Design of Photovoltaic Systems
5	Solar Energy Engineering and Technology
6	Electronic Systems Design: Hands-on Circuits and PCB Design with CAD Software

10. Meeting ended by conveying thanks to all the members of the BOS.

*for*   
(Dr. Ch. Padmanabha Raju)  
Chairman- BOS  
HEAD

Dept.of Electrical & Electronics Engg.  
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SIDDHARTHA INSTITUTE OF TECHNOLOGY  
KANURU,VIJAYAWADA-520007.