

**Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur**  
(An Autonomous Institute Affiliated to Rajasthan Technical University, Kota)

**Teaching and Examination Scheme-2025-26**

**B.Tech (Electrical Engineering)3rd Year V Semester**

Sr. No.	Course	YEAR	SEM.	Course Code	Course Name	Category	Teaching Scheme			Exam Hrs.	Marks			Credit
							L	T	P		CIE	SEE	Total	
1	EE	III	V	EEUL501	Transmission & Distribution of Electrical Power	PCC	3	-	-	3	40	60	100	3
2	EE	III	V	EEUL502	Control System	PCC	3	-	-	3	40	60	100	3
3	EE	III	V	EEUL503	Microprocessor & Microcontroller	PCC	2	-	-	3	40	60	100	2
4	EE	III	V	EEUL504	Advanced Power Electronics	PCC	3	-	-	3	40	60	100	3
5	EE	III	V	EEUL511/512/513 (Any One)	Smart Grid Technology	PEC	3	-	-	3	40	60	100	3
6	EE	III	V		Electrical Materials			-	-					
7	EE	III	V		Introduction to Electric and Hybrid Vehicles			-	-					
8	EE	III	V	EEUL560	Open Elective Course	OEC	3	-	-	3	40	60	100	3
9	EE	III	V	EEUP520	Power Electronics Lab	PCC	-	-	2	3	60	40	100	1
10	EE	III	V	EEUP521	Control System Lab	PCC	-	-	2	3	60	40	100	1
11	EE	III	V	EEUP522	Microprocessor & Microcontroller Lab	PCC	-	-	2	3	60	40	100	1
12	EE	III	V	EEUP523	Computer Based Power System Lab	PCC	-	-	2	3	60	40	100	1
13	EE	III	V	EEUT530	Industrial Training	PSIT	-	-	2	3	60	40	100	2
14	EE	III	V	EEUA500	SODECA	SODECA	-	-	-	-	-	-	100	0.5
15	EE	III	V	NU99.X	Disaster Management and Preparedness/Constitution of India	NC	-	-	-	3	-	-	100	0
											<b>Total Credit</b>			<b>23.5</b>

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**Teaching and Examination Scheme-2025-26**

**B.Tech (Electrical Engineering)3rd Year VI Semester**

Sr. No.	Course	YEAR	SEM.	Course Code	Course Name	Category	Teaching Scheme			Exam Hrs.	Marks			Credit
							L	T	P		CIE	SEE	Total	
1	EE	III	VI	EEUL601	Power System Engineering	PCC	3	-	-	3	40	60	100	3
2	EE	III	VI	EEUL602	Switchgear and Protection	PCC	2	-	-	3	40	60	100	2
3	EE	III	VI	EEUL603	Artificial Intelligence Techniques	ESC	3	-	-	3	40	60	100	3
4	EE	III	VI	EEUL611/612/613 (Any One)	Smart Mobility & EV Infrastructure	PEC	3	-	-	3	40	60	100	3
5	EE	III	VI		Modern Control Theory			-	-					
6	EE	III	VI		Electrical Machine Design			-	-					
7	EE	III	VI	EEUL614/615/616 (Any One)	Renewable Energy Engineering	PEC	3	-	-	3	40	60	100	3
8	EE	III	VI		Power System Planning			-	-					
9	EE	III	VI		Electrical Energy Conservation and Audit			-	-					
10	EE	III	VI	EEUL660	Open Elective Course	OEC	3	-	-	3	40	60	100	3
11	EE	III	VI	EEUP620	Power System Design lab	PCC	-	-	3	3	60	40	100	1.5
12	EE	III	VI	EEUP621	Energy Systems Lab	PCC	-	-	3	3	60	40	100	1.5
13	EE	III	VI	EEUP622	Embedded System and IOT Lab	PCC	-	-	3	3	60	40	100	1.5
14	EE	III	VI	EEUP623	Python Lab	PCC	-	-	3	3	60	40	100	1.5
15	EE	III	VI	EEUA600	SODECA	SODECA	-	-	-	-	-	-	100	0.5
16	EE	III	VI	NU99.X	Disaster Management and Preparedness/Constitution of India	NU	-	-	-	3	-	-	100	0
											<b>Total Credit</b>			<b>23.5</b>