

Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

(An Autonomous Institute Affiliated to Rajasthan Technical University, Kota)

Teaching and Examination Scheme (For Students Admitted in A.Y. 2024-25 & onwards)

B.Tech. Electrical Engineering

B.Tech. III Year (Semester V)

B.Tech. III Year (Semester V)																
Sr. No.	Br.	Year	Sem.	Course Code	Course Name	Category	Teaching & Learning Scheme				Exam Hrs.	Marks			Credit	
							Classroom Instruction (CI) (in hours per semester)		Lab Instruction (LI) (in hours per semester)	Term Work (TW) and Self Learning (SL) (TW+ SL) (in hours per semester)		Total no. of Hours per semester	CIE	SEE		Total
							L	T	P	SL						
1	EE	III	V	EEUL501	Transmission & Distribution of Electrical Power	PCC	45	-	-	45	90	3	40	60	100	3
2	EE	III	V	EEUL502	Control System	PCC	45	-	-	45	90	3	40	60	100	3
3	EE	III	V	EEUL503	Microprocessor & Microcontroller	PCC	30	-	-	30	60	3	40	60	100	2
4	EE	III	V	EEUL504	Advanced Power Electronics	PCC	45	-	-	45	90	3	40	60	100	3
5	EE	III	V	EEUL511/512/513 (Any One)	Smart Grid Technology	PEC	45	-	-	45	90	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	45	-	-	45	90	3	40	60	100	3
9	EE	III	V	EEUP520	Power Electronics Lab	PCC	-	-	30	-	30	3	60	40	100	1
10	EE	III	V	EEUP521	Control System Lab	PCC	-	-	30	-	30	3	60	40	100	1
11	EE	III	V	EEUP522	Microprocessor & Microcontroller Lab	PCC	-	-	30	-	30	3	60	40	100	1
12	EE	III	V	EEUP523	Computer Based Power System Lab	PCC	-	-	30	-	30	3	60	40	100	1
13	EE	III	V	EEUT530	Industrial Training	PSIT	-	-	30	30	60	3	60	40	100	2
14	EE	III	V	EEUA500	SODECA	SODECA	-	-	-	15	15	-	-	-	100	0.5
15	EE	III	V	NU99.X	Disaster Management and Preparedness/Constitution of India	MC	-	-	-	-	-	3	-	-	100	-
Total Credit																23.5

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B.Tech. Electrical Engineering

B.Tech. III Year (Semester VI)

B.Tech. III Year (Semester VI)																
Sr. No.	Br.	Year	Sem.	Course Code	Course Name	Category	Teaching & Learning Scheme				Exam Hrs.	Marks			Credit	
							Classroom Instruction (CI) (in hours per semester)		Lab Instruction (LI) (in hours per semester)	Term Work (TW) and Self Learning (SL) (TW+ SL) (in hours per semester)		Total no. of Hours per semester	CIE	SEE		Total
							L	T								
1	EE	III	VI	EEUL601	Power System Engineering	PCC	45	-	-	45	90	3	40	60	100	3
2	EE	III	VI	EEUL602	Switchgear and Protection	PCC	30	-	-	30	60	3	40	60	100	2
3	EE	III	VI	EEUL603	Artificial Intelligence Techniques	ESC	45	-	-	45	90	3	40	60	100	3
4	EE	III	VI	EEUL611/612/613 (Any One)	Smart Mobility and EV Infrastructure	PEC	45	-	-	45	90	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	45	-	-	45	90	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	45	-	-	45	90	3	40	60	100	3
11	EE	III	VI	EEUP620	Power System Design lab	PCC	-	-	45	-	45	3	60	40	100	1.5
12	EE	III	VI	EEUP621	Energy Systems Lab	PCC	-	-	45	-	45	3	60	40	100	1.5
13	EE	III	VI	EEUP622	Embedded System and IOT Lab	PCC	-	-	45	-	45	3	60	40	100	1.5
14	EE	III	VI	EEUP623	Python Lab	PCC	-	-	45	-	45	3	60	40	100	1.5
15	EE	III	VI	EEUA600	SODECA	SODECA	-	-	-	15	15	-	-	-	100	0.5
16	EE	III	VI	NU99.X	Disaster Management and Preparedness/Constitution of India	MC	-	-	-	-	-	3	-	-	100	0
Total Credit																23.5