

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. Electronics & Communication Engg.

B.Tech. III Year (Semester IV)

B.Tech. III Year (Semester IV)																
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	ECE	III	V	ECUL501	Microwave Theory and Techniques	PCC	45	0	0	45	90	3	40	60	100	3
2	ECE	III	V	ECUL502	Control System	PCC	45	0	0	45	90	3	40	60	100	3
3	ECE	III	V	ECUL503	Digital Signal Processing	PCC	45	0	0	45	90	3	40	60	100	3
4	ECE	III	V	ECUL504	Power Electronics	ESC	30	0	0	30	60	3	40	60	100	2
5	ECE	III	V	ECUL511	Information Theory and Coding	PEC	45	0	0	45	90	3	40	60	100	3
	ECE	III	V	ECUL512	Embedded System											
	ECE	III	V	ECUL513	Computer Architecture and Organization											
6	ECE	III	V		Open Elective-I	OE	45	0	0	45	90	3	40	60	100	3
7	ECE	III	V	ECUP521	OOPs/JAVA Programming Lab	PCC	0	0	30	-	30	2	60	40	100	1
8	ECE	III	V	ECUP522	Microwave Lab	PCC	0	0	30	-	30	3	60	40	100	1
9	ECE	III	V	ECUP523	Digital Signal Processing Lab	PCC	0	0	30	-	30	2	60	40	100	1
10	ECE	III	V	ECUP524	Power Electronics lab	ESC	0	0	30	-	30	3	60	40	100	1
11	ECE	III	V	ECUT530	In-house/ Industry Training	PSIT	0	0	60	-	60	2	60	40	100	2
12	ECE	III	V	ECUA500	SODECA	SODECA	-	-	-	-	-	-	-	-	100	0.5
13	ECE	III	V	ECUN99.7/99.4	Indian Constitution/Disaster Management	MC	-	-	-	-	-	-	-	-		-
													Total Credit			23.5

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							L	T	P	SL						
1	ECE	III	VI	ECUL601	CMOS VLSI Design	PCC	45	0	0	45	90	3	40	60	100	3
2	ECE	III	VI	ECUL602	Fiber Optic Communication	PCC	30	0	0	30	60	3	40	60	100	2
3	ECE	III	VI	ECUL603	Antenna and Wave Propagation	PCC	45	0	0	45	90	3	40	60	100	3
4	ECE	III	VI	ECUL611	Computer Network	PEC	45	0	0	45	90	3	40	60	100	3
	ECE	III	VI	ECUL612	Quantum Computing											
	ECE	III	VI	ECUL613	Internet of Things (IoT)											
5	ECE	III	VI	ECUL614	Nano-Electronics	PEC	45	0	0	45	90	3	40	60	100	3
	ECE	III	VI	ECUL615	MEMS and NEMS											
	ECE	III	VI	ECUL616	IC Technology											
6	ECE	III	VI		Open Elective-II	OE	45	0	0	45	90	3	40	60	100	3
7	ECE	III	VI	ECUP621	Optical Communication & Quantum Computing Lab	PCC	0	0	30	-	30	3	60	40	100	1
8	ECE	III	VI	ECUP622	Antenna and RF lab	PCC	0	0	60	-	60	3	60	40	100	2
9	ECE	III	VI	ECUP623	VLSI Design Lab	PCC	0	0	45	-	45	3	60	40	100	1.5
10	ECE	III	VI	ECUP624	Internet of Things (IoT) Lab	PCC	0	0	45	-	45	3	60	40	100	1.5
11	ECE	III	VI	ECUA600	SODECA	SODECA	-	-	-	-	0	-	-	-	100	0.5
12	ECE	III	VI	ECUN99.7/99.4	Indian Constitution/Disaster Management	MC	-	-	-	-	-	-	-	-		-
													Total Credit			23.5