

Bachelor of Technology in Electronics and Telecommunication Engineering

Semester VII

Course Code	Course Name	Category	Course Component	Teaching Scheme (Contact Hours)		Credits Assigned		
				Theory	Practical /Tutorial	Theory	Practical /Tutorial	Total
ET401	Microwave and RF Design	PCC	TL	3	2	3	1	4
ET402	Wireless and Cellular Communication	PCC	T	3	-	3	-	3
ET403	Digital Image Processing and Machine Vision	PCC	T	3	-	3	-	3
ET412	Communication Engineering Laboratory	PCC	L	-	2	-	1	1
ET4xx	Department Level Optional Course I C	PEC	TL	3	2	3	1	4
ET4xx	Department Level Optional Course II C	PEC	TL	3	2	3	1	4
ET491	Project B	CEP	LC	-	8	-	4	4
Total				15	14	15	8	23

Examination Scheme Semester VII

Course Code	Course Name	Category	Theory					Term Work	Pract /Oral	Total
			Internal Assessment			End Sem Exam	Exam Duration (Hrs)			
			1	2	Avg					
ET401	Microwave and RF Design	PCC	40	40	40	60	2	25	25	150
ET402	Wireless and Cellular Communication	PCC	40	40	40	60	2	-	-	100
ET403	Digital Image Processing and Machine Vision	PCC	40	40	40	60	2	-	-	100
ET412	Communication Engineering Laboratory	PCC	-	-	-	-	-	25	25	50
ET4xx	Department Level Optional Course I C	PEC	40	40	40	60	2	25	25	150
ET4xx	Department Level Optional Course II C	PEC	40	40	40	60	2	25	25	150
ET491	Project B	CEP						100	50	150
	Total									850

T- Theory, L- Lab, P-Programming, C- Communication

In continuation with the chosen department specialization, Department Level Optional Course I C is to be chosen from group I.

In continuation with chosen department specialization, Department Level Optional Course II C is to be chosen from group II.

Specialization	Group I			Specialization	Group II		
Semester VII Elective	Smart Robotics and IoT driven Application Development	Product Design	VLSI Chip Design Technology	Semester VII Elective	Advanced Communication System	Cloud Computing	Data Science
Course Code Course Name Department Level Optional Course I C	ET404	ET405	ET406	Course Code Course Name Department Level Optional Course II C	ET 407	ET410	ET411
	IoT driven App Development	Communication System Design and Integration	VLSI Design Flow: RTL to GDS		Blockchain for Communication	Cloud Computing	Data Science
					ET 408		
					AIML in Communication Systems		
					ET 409		
					MIMO System for 5G		

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Semester VIII

Course Code	Course Name	Category	Teaching Scheme (Contact Hours)		Credits Assigned		
			Theory	Practical /Tutorial	Theory	Practical /Tutorial	Total
ET492	Project C	Experiential Learning Courses	-	8	-	4	4
ET493	Internship / OJT	Experiential Learning Courses	-	32	-	8	8
Total			-	40	-	12	12

Examination Scheme Semester VIII

Course Code	Course Name	Category	Theory					Term Work	Pract/ Oral	Total
			Internal Assessment			End Sem Exam	Exam Duration (Hrs)			
			1	2	Avg					
ET492	Project C	Experiential Learning Courses	-	-	-	-	-	100	50	150
ET493	Internship / OJT	Experiential Learning Courses	-	-	-	-	-	100	100	200
	Total									350

T- Theory, L- Lab, P-Programming, C- Communication