

## 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 & RF Design	PCC	TL	3	2	3	1	4
ET402	Wireless & Mobile Communication	PCC	T	3	-	3	-	3
ET403	Digital Image Processing & 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
<b>Total</b>				<b>15</b>	<b>14</b>	<b>15</b>	<b>8</b>	<b>23</b>

### 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 & RF Design	PCC	40	40	40	60	2	25	25	150
ET402	Wireless & Mobile Communication	PCC	40	40	40	60	2	-	-	100
ET403	Digital Image Processing & 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
<b>Total</b>										<b>850</b>

**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
<b>Course Code</b> <b>Course Name</b> Department Level Optional Course I C	ET404	ET405	ET406	<b>Course Code</b> <b>Course Name</b> 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		

Admission Year 2024

## Bachelor of Technology in Electronics and Telecommunication

### 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
<b>Total</b>			-	<b>40</b>	-	<b>12</b>	<b>12</b>

### 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	
<b>Total</b>									<b>350</b>	

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