

Department of Electronics & Communication Engineering

Micro-Specializations

S. No	Micro specialization	Head Course(s)			Elective Courses		
		Course Name	Semester	Credits	Course Name	Semester	Credits
1	VLSI Design	Digital Circuit Design	IV	4	Digital Hardware Design	V	3
					FPGA Based System Design	VI	3
		Digital Circuit Design Lab	IV	1	IC Technology	VII	3
					VLSI Verification and Testing	VIII	3
2	Advance Communication Technologies[5G]	Analog and Digital Communication	IV	4	Emerging Technologies- Beyond 5 G	V	3
					Machine Learning for Communication Systems	VI	3
		Analog and Digital Communication Lab	IV	1	Green Communication Technologies	VII	3
					Data Analytics for 5 G	VIII	3
3	IOT with Machine Learning	Measurement & Instrumentation	III	3	Internet of Things	V	3
					Machine Learning	VI	3
		Measurement & Instrumentation Lab	III	1	Artificial Intelligence of Things	VII	3
					Industrial IoT	VIII	3