

Course Structure for M. Tech (IoT)

Admitted 2024 onwards

Semester I

SN	Course Code	Course Name	L- T- P (Hours)	Credits
1		Advanced Communication System	3-0-0	3
2		VLSI Circuits & System Design	3-0-0	3
3		DE -I	3-0-0	3
4		DE – II	3-0-0	3
5		Research Methodology and IPR	2-0-0	2
6		Advanced Communication System Lab	0-0-2	1
7		VLSI Circuits & System Design Lab	0-0-2	1
8		ECE Design & Simulation Lab	0-0-2	1
		TOTAL	20	17

Semester II

SN	Course Code	Course Name	L –T- P (Hours)	Credits
1		Advanced Digital Signal Processing	3-0-0	3
2		Advanced Microprocessor& Microcontroller	3-0-0	3
3		DE –III (Based on Specialization)	3-0-0	3
4		DE – IV (Based on Specialization)	3-0-0	3
5		DE – V (Based on Specialization)	3-0-0	3
6		Advanced Microprocessor& Microcontroller Lab	0-0-2	1
7		Advanced Digital Signal Processing Lab	0-0-2	1
8		Minor Project (based on Specialization)	0-0-6	3
9		Audit Course - I	2-0-0	Qualifying
		TOTAL	27	20

Semester III

SN	Course Code	Course Name	L- T –P (Hours)	Credits
1		Open Elective	3-0-0	3
		Elective – V (Based on Specialization)	3-0-0	3
2		Seminar and Term Paper	0-0-4	2
3		Project Based Learning	0-0-8	4
4		Dissertation - I	0-0-8	4
5		Audit course -II	2-0-0	Qualifying
6		TOTAL	28	16

Semester IV

SN	Course Code	Course Name	L -T –P (Hours)	Credits
1		Dissertation - II/Industrial Project	0-0-30	15
		Total	30	15

Total Credits = 68

Discipline Elective (To be updated from time to time)		
S. No.	Course Code	Title
1.		Internet of Things System Design
2.		Smart Instrumentation
3.		Internet of Things Automation
4.		Intelligent Machines Learning
5.		Internet of Things Security
6.		Advanced Wireless Sensor Network
7.		Internet of Things Design Lab

Open Elective: Communication Systems & Applications