

**M. TECH
ELECTRONICS & COMMUNICATION ENGINEERING**

S No	Course Code	Subject	Periods		Evaluation Scheme					Subject Total
					Sessional				Examination	
		Theory	L	Tut. / Prac.	CT	Attendance	TA	Total	ESE	
1.		Introduction to Signal Analysis	3	1	30	10	10	50	100	150
2.		Advanced Semiconductor Devices	3	1	30	10	10	50	100	150
3.		Probability Statistics and Queuing Model	3	1	30*	10	10	50	100	150
4.		Elective I	3	1/2	30*	10	10	50	100	150
		Total=	12	6				200	400	600

* 15 marks are for class test and 15 marks are for lab if any, otherwise 30 marks are for class test

**Year:1
SEMESTER II**

S No	Course Code	Subject	Periods		Evaluation Scheme					Subject Total
					Sessional				Examination	
		Theory	L	Tut. / Prac.	CT	Attendance	TA	Total	ESE	
1.		Digital Communication	3	2	30	10	10	50	100	150
2.		Optical Communication	3	1	30	10	10	50	100	150
3.		Discrete Mathematics	3	1/2	30*	10	10	50	100	150
4.		Elective II	3	1/2	30*	10	10	50	100	150
		Total=	12	6				200	400	600

**Year: II
SEMESTER III**

S No	Course Code	Subject	Periods		Evaluation Scheme					Subject Total
					Sessional				Examination	
		Theory	L	Tut. / Prac.	CT	Attendance	T A	Total	ESE	
1.		Advanced Digital Signal Processing	3	1	30	10	10	50	100	150
2.		Open Elective	3	1	30	10	10	50	100	150
3.		Seminar/Minor Project	-	2	-	-	-	100	-	100
4.		Dissertation*	-	8	-	-	-	50	-	50
		Total=	6	12				200	200	400

**Year: II
SEMESTER IV**

S No	Course Code	Subject	Periods		Evaluation Scheme					Subject Total
					Sessional				Examination	
		Theory	L	Tut. / Prac.	CT	Attendance	T A	Total	ESE	
1.		Dissertation	-	18	-	-	-	150	200	350
		Total=		18				150	200	350

List of Electives for M.Tech Electronics & Communication

Elective-I

Sl. No.	Course Code	Name of the course
1.		Satellite Communication
2.		Organic Electronics
3.		Microwave Engineering
4.		VHDL
5.		Advanced Microprocessor
6.		Communication Theory

Elective-II

Sl. No.	Course Code	Name of the course
1.		Antenna Analysis & Synthesis
2.		VLSI System Design
3.		Data Communication Networks
4.		Information Theory & Coding
5.		Architecture & Applications of Digital Signal Processors
6.		Wireless Communication
7.		Radar Engineering
8.		Embedded Systems
9.		VLSI Implementation of Digital Processors

Open Elective

Sl. No.	Course Code	Name of the course
1.		Telecommunication System Engineering
2.		Image Processing
3.		Mobile Communication
4.		Embedded Systems
5.		Fuzzy Electronics
6.		Professional Communication
7.		Biomedical Signal Processing