

Program Structure									
Department of Electrical, Electronics and Communication Engineering									
MTECH Communication Engg.(Satellite Communication)									
School Name	DEECE			Program Name				M.Tech_CE	
SEMESTER	I			Program Chair				Dr. Indu	
S.NO	Course Code	Course Title	L	T	P	S	Credit	Hours	
1	*****	Multirate Signal Processing	3	0	1	1	5	5	
2	*****	Modern Communication System	3	0	1	0	4	5	
3	G2PH106T	Satellite and Radar Communication	3	0	0	0	3	3	
4	*****	Mobile Telecommunication Systems	3	0	0	0	3	3	
5	C1PC120T	Advanced Numerical and statistical methods	3	1	0	0	4	4	
6	CENG5001	Professional and Communication Skills	0	0	2	0	2	4	
7	G2PH107T	Foundations of Research Inclined Design Thinking	1	0	0	0	1	1	
							Total =	22	
SEMESTER 2									
S.NO	Course Code	Course Title	L	T	P	S	C	Hours	
1	MCEN6001	Advanced Digital Image Processing	3	0	1	1	5	5	
2	MCEN5011	Digital Communication System Design	3	0	1	0	4	5	
3	G2PH103T	Advanced Satellite Communication	3	0	0	0	3	3	
4	MCEN5002	Program Elective 1 (Information Theory and Coding)	3	0	0	0	3	3	
5	MCEN5009	Program Specific Elective 1 (Mobile ad hoc Network)	3	0	0	0	3	3	
6	G2PN206T	Applications of Research Inclined Design Thinking	1	0	0	0	1	1	
							Total =	19	
SEMESTER 3									
S.NO	Course Code	Course Title	L	T	P	S	C	Hours	
1	MCEN6009	Data Communication Networks	3	0	0	0	3	3	
2	MCEN6010	Internet Technology and Applications (Program	3	0	0	0	3	3	
3	MCEN6011	Soft Computing and its Applications Program	3	0	0	0	3	3	
4	MCEN9997	Research Seminar	0	0	0	1	1	0	
5	MCEN9998	Capstone Design-1	0	0	0	9	9	0	
6	*****	Specialized Topics in Research-Centric Design	1	0	0	0	1	1	
							Total =	20	
SEMESTER 4									
S.NO	Course Code	Course Title	L	T	P	S	C	Hours	
1	MCEN9999	Capstone Design-2	0	0	0	19	19	0	
2	*****	Capstone Project and Research Dissemination	0	0	0	1	1	0	
							Total =	20	

List of Electives

Program Elective								
Sl No	Course Code	Name of the Elective						Elective Basket
			L	T	P	S	C	
1	*****	Information Theory and Coding	3	0	0	0	3	Program Elective 1
2	*****	Microwave Engineering	3	0	0	0	3	Program Elective 1
3	*****	Cloud Computing	3	0	0	0	3	Program Elective 1
4	*****	Soft Computing and its Applications	3	0	0	0	3	Program elective 2
6	*****	High Performance Networks	3	0	0	0	3	Program elective 2
7	*****	Introduction to IoT and its Applications	3	0	0	0	3	Program elective 2
Program Specific Elective								
Sl No	Course Code	Name of the Elective						Elective Basket
			L	T	P	S	C	
1	*****	Principles of Secure Communication	3	0	0	0	3	Program Specific Elective 1
2	*****	Mobile Ad Hoc Networks	3	0	0	0	3	Program Specific Elective 1
3	G2PH101T	Mobile Computing	3	0	0	0	3	Program Specific Elective 1
5	*****	Optical Communication	3	0	0	0	3	Program Specific Elective 2
6	*****	Wireless Sensor Networks	3	0	0	0	3	Program Specific Elective 2

7	*****	Internet Technology and Applications	3	0	0	0	3	Program Specific Elective 2
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