

M.Tech. COURSE STRUCTURE
Communication Engineering and Signal Processing
I SEMESTER

S.No	Course Code	Name of the Subject	L	P	C
1	18ECSP101	Advanced Digital Communication	4	-	3
2	18ECSP102	Optical Networks	4	-	3
3	18ECSP103	Wireless Communication	4	-	3
4	18ECSP104	Advanced Digital Signal Processing	4	-	3
5	18ECSP105	Statistical Signal Processing	4	-	3
6	Elective:1		4	-	3
	18ECSP106A	Multimedia over Communication			
	18ECSP106B	Communication System Design using DSP			
	18ECSP106C	Radar Signal Processing			
	18ECSP106D	VLSI Design for Signal Processing			
7	18ECSP151	Digital Signal Processing Laboratory	-	3	1.5
Total Credits					19.5

II SEMESTER

S.No	Course Code	Name of the Subject	L	P	C
1	18ECSP201	Coding Theory and Applications	4		3
2	18ECSP202	Antenna Theory and Design	4		3
3	18ECSP203	Image Processing and Machine Vision	4		3
4	18ECSP204	Adaptive Signal Processing	4		3
5	18ECSP205	DSP Processors and Architectures	4		3
6	Elective: II		4		3
	18ECSP206A	Embedded System Design			
	18ECSP206B	Modern Spectrum Analysis and Estimation			
	18ECSP206C	Speech and Auto Processing			
7	18ECSP251	Advanced Communication Laboratory	-	3	1.5
8	18ECSP252	Term paper with Seminar	-	-	3
Total Credits					22.5

III SEMESTER

S.No	Course Code	Name of the Subject	L	P	C
1	18ECSP301	Self Learning Course	-	-	3
2	18ECSP351	Internship with seminar	-	-	4
3	18ECSP352	Project Phase-I			5
Total Credits					12

IV SEMESTER

S.No	Course Code	Name of the Subject	L	P	C
1	18ECSP451	Project Phase-II	-	-	10
Total Credits					10

Total Credits: 19.5+22.5+12+10=64