

**13. Courses of Study and Scheme of Assessment
ME COMMUNICATION SYSTEMS**

**(2021 REGULATIONS)
(Minimum No. of credits to be earned:70*)**

Course Code	Course Title	Hours / Week			Credits	Maximum Marks			CAT
		Lecture	Tutorial	Practical		CA	FE	Total	
III SEMESTER									
21LC__	Professional Elective – IV	3	0	0	3	50	50	100	PE
21____	Open Elective	3	0	0	3	50	50	100	OE
21LC71	Project Work - I	0	0	12	6	50	50	100	EEC
Total 12hrs		6	0	12	12	150	150	300	
IV SEMESTER									
21LC81	Project Work - II	0	0	24	12	50	50	100	EEC
Total 24 hrs		0	0	24	12	50	50	100	
PROFESSIONAL ELECTIVE THEORY COURSES (Four to be opted)									
Signal Processing									
21LC21	Multimedia Compression Techniques	3	0	0	3	50	50	100	PE
21LC22	Adaptive Signal Processing	3	0	0	3	50	50	100	PE
21LC23	Digital Image & Video Processing	3	0	0	3	50	50	100	PE
21LC24	Wavelets and Subband Coding	3	0	0	3	50	50	100	PE
Communications									
21LC25	Free Space Optics	3	0	0	3	50	50	100	PE
21LC26	Cooperative Communication	3	0	0	3	50	50	100	PE
21LC27	Cognitive Radio	3	0	0	3	50	50	100	PE
RF									
21LC28	EMI and EMC	3	0	0	3	50	50	100	PE
21LC29	Radiating systems	3	0	0	3	50	50	100	PE
21LC30	Computational Electromagnetics	3	0	0	3	50	50	100	PE
Networks									
21LC31	Wireless Network Security	3	0	0	3	50	50	100	PE
21LC32	Vehicular systems and Networks	3	0	0	3	50	50	100	PE
21LC33	Optical Networks	3	0	0	3	50	50	100	PE
21LC34	Communication Protocols for IoT	3	0	0	3	50	50	100	PE
VLSI									
21LC35	System on Chip Design	3	0	0	3	50	50	100	PE
21LC36	Communication Algorithms on FPGA	3	0	0	3	50	50	100	PE
Technical Programming									
21LC37	Machine Learning and Deep Learning	3	0	0	3	50	50	100	PE
21LC38	Data Structures and Algorithms	3	0	0	3	50	50	100	PE
21LC39	Python Programming	3	0	0	3	50	50	100	PE
Open Electives (One to be opted)									

21LC91	Smart Cities	3	0	0	3	50	50	100	OE
21LC92	Radiation Hazards	3	0	0	3	50	50	100	OE

* Indicated is the minimum number of credits to be earned by a student.

CAT – Category; PC – Professional Core; PE - Professional Elective; RMC - Research Methodology and IPR; EEC – Employability Enhancement Course; MC - Mandatory Course; Grade – Completed / Not completed; OE – Open Elective.