

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI



Scheme of Teaching and Examinations (2026)

M.Tech., in Electronics and Communication Engineering
(Communication Systems)

Choice-Based Credit System (CBCS) and Outcome-Based Education (OBE)

II SEMESTER: COMMUNICATION SYSTEMS													
S l · N o	Course Type	Course Code	Course Title	Teaching & Learning Scheme					Examination				Cr ed its
				CI		LI	TW & SL	Tot al Hou rs/S em	Du rati on in ho urs	CI E Mar ks	SEE Mar ks	Tot al Mar ks	
				L	T	P							
1	PCC	1MLCS201	Massive MIMO systems	42	0	0	48	90	03	50	50	100	4
2	PCC	1MLCS202	Antenna theory	42	0	0	48	90	03	50	50	100	3
3	PCC	1MLCS203	Multimedia applications	42	0	0	48	90	03	50	50	100	3
4	PCC	1MLCS204	Error Control Coding	42	0	28	50	120	03	50	50	100	3
5	PEC	1MLCS205X	Professional Elective Courses-III	42	0	0	48	90	03	50	50	100	3
6	PEC	1MLCS206X	Professional Elective Course-IV	42	0	0	48	90	03	50	50	100	3
7	PCCL	1MLCS207X	Professional Core Course- Lab (AEC Lab)	0	0	28	02	30	03	50	50	100	1
	PCC	1MLCS208	Minor Project	0	0	28	02	30	03	50	50	100	2
TOTAL										350	350	700	22
<p>Professional Elective Courses (PECs): Professional Elective Courses – PEC-I and PEC-II – are common to all branches of specialization within a particular Engineering stream. Students may choose the most appropriate elective based on their field of specialization and academic requirements. <i>Note: The number of courses listed under each PEC group may exceed four, depending on the specializations under one stream.</i></p> <p>Integrated Professional Core Courses (IPCC): The 1Mxx104x Group comprises specialization-specific core courses that are integrated with a practical component, ensuring application-oriented learning aligned with industry and research needs. The number of courses in the group depends on the number of specializations offered under a particular engineering stream.</p>													

Professional Elective Courses (PECs)			
PEC-III		PEC-IV	
Code	Title of the Course	Code	Title of the Course
1MLCS205A	Statistical Signal Processing	1MLCS206A	Array signal processing
1MLCS205B	Wireless Sensor Networks	1MLCS206B	Photonic Networks
1MLCS205C	RF System Design	1MLCS206C	Wavelet Transforms and Applications
1MLCS205D	Advances in Image Processing	1MLCS206D	Cloud Networking

Professional Core Course- Lab (AEC Lab)	
1MLCS207A	Modelling and simulation using MATLAB
1MLCS207B	Advanced Digital Signal Processing