

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI



Scheme of Teaching and Examinations (2026)

M.Tech., in Electronics & Communication

(Digital Communication & Networking)

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

II SEMESTER: DIGITAL COMMUNICATION & NETWORKING													
S I · N O	Course Type	Course Code	Course Title	Teaching & Learning Scheme					Examination				C r e d i t s
				CI		LI	TW & SL	Tot al Hou rs/S em	Du rati on in ho urs	CIE Mar ks	SEE Mar ks	Tot al Mar ks	
				L	T	P							
1	PCC	1MLDN201	Massive MIMO systems	42	0	0	48	90	03	50	50	100	4
2	PCC	1MLDN202	Error Control Coding	42	0	0	48	90	03	50	50	100	3
3	PCC	1MLDN203	Multimedia applications	42	0	0	48	90	03	50	50	100	3
4	PCC	1MLDN204	Antenna theory	42	0	28	50	120	03	50	50	100	3
5	PEC	1MLDN205X	Professional Elective Courses-III	42	0	0	48	90	03	50	50	100	3
6	PEC	1MLDN206X	Professional Elective Course-IV	42	0	0	48	90	03	50	50	100	3
7	PCCL	1MLDN207X	Professional Core Course- Lab (AEC Lab)	0	0	28	02	30	03	50	50	100	1
	PCC	1MLDN208	Minor Project	0	0	28	02	30	03	50	50	100	2
TOTAL										350	350	700	22

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. *Note: The number of courses listed under each PEC group may exceed four, depending on the specializations under one stream.*

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.

Professional Elective Courses (PECs)				
PEC-III			PEC-IV	
Code	Title of the Course		Code	Title of the Course
1MLDN205A	RF System Design		1MLDN206A	Wavelet Transforms and Applications
1MLDN205B	Wireless Sensor Networks		1MLDN206B	Cloud Networking
1MLDN205C	Advances in Image Processing		1MLDN206C	Array Signal Processing
1MLDN205D	Statistical Signal Processing		1MLDN206D	Photonic Networks

Professional Core Course- Lab (AEC Lab)	
1MLDN207A	Modelling and simulation using MATLAB
1MLDN207B	Advanced Digital Signal Processing