VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI

Scheme of Teaching and Examinations (2026)

M.Tech., in Electronics & Communication

(Digital Electronics & Communication)

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

	II SEMESTER: DIGITAL ELECTRONICS & COMMUNICATION													
Sl. No	Course Type	Course Code	Course Title	Teaching & Learning Scheme					Examination				Credits
				CI		LI	TW & SL	Total Hours/Sem	Duration in hours	CIE Marks	SEE Marks	Total Marks	
				L	T	P							
1	PCC	1MLEC201	Massive MIMO systems	42	0	0	48	90	03	50	50	100	4
2	PCC	1MLEC202	Error Control Coding	42	0	0	48	90	03	50	50	100	3
3	PCC	1MLEC203	Multimedia applications	42	0	0	48	90	03	50	50	100	3
4	PCC	1MLEC204	Antenna theory	42	0	28	50	120	03	50	50	100	3
5	PEC	1MLEC205X	Professional Elective Courses-III	42	0	0	48	90	03	50	50	100	3
6	PEC	1MLEC206X	Professional Elective Course-IV	42	0	0	48	90	03	50	50	100	3
7	PCCL	1MLEC207X	Professional Core Course- Lab (AEC Lab)	0	0	28	02	30	03	50	50	100	1
	PCC	1MLEC208	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**
1MLEC205A	RF System Design		1MLEC206A	Wavelet Transforms and Applications
1MLEC205B	Wireless Sensor Networks		1MLEC206B	Cloud Networking
1MLEC205C	Advances in Image Processing		1MLEC206C	Array Signal Processing
1MLEC205D	Statistical Signal Processing		1MLEC206D	Photonic Networks

Professional Core Course- Lab (AEC Lab)	
1MLEC207A	Modelling and Simulation using MATLAB
1MLEC207B	Advanced Digital Signal Processing