

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI**



Scheme of Teaching and Examinations (2026)

M.Tech., in Electronics and Communication Engineering

(IoT & Sensor System)

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

II SEMESTER: IoT & SENSOR SYSTEM													
S l · 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	1MISS201	IoT Architecture and Protocols	42	0	0	48	90	03	50	50	100	4
2	PCC	1MISS202	Advance Control Systems	42	0	0	48	90	03	50	50	100	3
3	PCC	1MISS203	Cloud Computing	42	0	0	48	90	03	50	50	100	3
4	PCC	1MISS204	Principles of Sensors and Signal Conditioning	42	0	28	50	120	03	50	50	100	3
5	PEC	1MISS205X	Professional Elective Courses-III	42	0	0	48	90	03	50	50	100	3
6	PEC	1MISS206X	Professional Elective Course-IV	42	0	0	48	90	03	50	50	100	3
7	PCCL	1MISS207X	Professional Core Course- Lab (AEC Lab)	0	0	28	02	30	03	50	50	100	1
	PCC	1MISS208	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>													

PEC-III		PEC-IV	
Code	Title of the Course	Code	Title of the Course
1MISS205A	Nano Electronics & Nano sensors	1MISS206A	Operating system for IoT
1MISS205B	Flexible and Wearable Sensors	1MISS206B	Azure IoT Development
1MISS205C	Wireless Sensor Networks	1MISS206C	Cyber Security
1MISS205D	Automotive Sensors and In-Vehicle Networking	1MISS206D	Battery Management System

Professional Core Course- Lab (AEC Lab)	
1MISS207A	Mobile App Development with Android
1MISS207B	Edge & Cloud computing