



**K. S. INSTITUTE OF TECHNOLOGY, BENGALURU**  
**An Autonomous Institution under VTU, Approved by AICTE**  
**Scheme of Teaching and Examinations-2025**  
**Outcome-Based Education (OBE) and Choice Based Credit System (CBCS)**  
**(Effective from the academic year 2025-26)**

**M.Tech - II SEMESTER**

Sl. No	Course Type	Course Code	Course Title	Teaching Hours per Week			Examination			Credits	
				Theory	Practical/ Seminar	Tutorial/ SDA	Duration in hours	CIE Marks	SEE Marks		Total Marks
				L	P	T/SDA					
1	PCC/PEC/ MDC/PCC(PB) /IPCC	25MSCS201	Advanced Operating System	3	0	0	03	50	50	100	3
2		25MSCS202	Advances in Computer Networks	3	1	0	03	50	50	100	4
3		25MSCS203	Network Programming	3	0	0	03	50	50	100	3
4		25MSCS214x	Professional Elective 1	3	0	0	03	50	50	100	3
5		25MSCS215x	Professional Elective 2	3	0	0	03	50	50	100	3
6		25MSCS206	Mini Project with Seminar	3	0	0	03	50	50	100	3
7	PCCL	25MSCSL207	Network Programming Lab	0	2	0	03	50	50	100	2
8	SEC	25MSCS258	Skill Enhancement For Research Excellence -1	2	0	0	03	50	50	100	1
								<b>400</b>	<b>400</b>	<b>800</b>	<b>22</b>

Note: **PCC**: Professional core. **IPCC**-Integrated Professional Core Courses, **PCC(PB)**: Professional Core Courses (Project Based), **PCCL**-Professional Core Course lab, **PEC**- Professional Elective Courses, **MDC**- Multi-Disciplinary Courses, **L-Lecture, P-Practical, T/SDA-Tutorial / Skill Development Activities** (Hours are for Interaction between faculty and students) **L-Lecture, P-Practical, T/SDA-Tutorial / Skill Development Activities** (Hours are for Interaction between faculty and students) **PBLC**: Project Based Learning Course.

Note: **xxx** means specialization code for example **MDE**- Design Engineering, **LDN**- Digital Communication and Networking, **SCE**- Computer Engineering, **CCT**- Construction Technology, **AUD**- Urban Design, **MBA**- Master of Business Administration, **MCA**- Master of Computer Application, etc.

**Ability Enhancement Courses (AEC)**: These courses are designed to help students enhance their skills in communication, language, and personality development. They also promote a deeper understanding of subjects like social sciences and ethics, culture and human behaviour, human rights, and the law. **Skill Enhancement Course (SEC)**: Skill Enhancement Course means a course designed to provide value-based or skill-based knowledge and should contain both theory and lab/hands-on/training/fieldwork. The main purpose of these courses is to provide students with life skills in the hands-on mode to increase their employability.

**If AEC/SEC courses are ONLINE (MOOCs) courses**, suggested by the concerned board of studies. These courses will be made available on **www.online.vtu.ac.in**

**For Professional Elective Course:**

Professional Elective Course-I (PEC)		Professional Elective Course-II (PEC)	
Code	Title of the Course	Code	Title of the Course
MSCS214A	Blockchain Technology	MSCS215A	Computer Vision
MSCS214B	Information and Network Security	MSCS215B	Wireless Network and Mobile Computing
MSCS214C	Deep Learning	MSCS215C	Software Project Planning and Management
MSCS214D	Decision Support Systems	MSCS215D	Multimedia Communications