

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI**



Scheme of Teaching and Examinations

M.Tech. in CSE

Network and Internet Engineering

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

II SEMESTER (Core Courses related to main Engineering Stream)											
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	MSCS201	Advanced Operating System	3	0	0	03	50	50	100	3
2		MLNI202	Network Protocol Design	3	0	1	03	50	50	100	3
3		MLNI203	Network Programming	3	0	1	03	50	50	100	4
4		MLNI214x	Professional Elective 1	3	0	0	03	50	50	100	3
5		MLNI215x	Professional Elective 2	3	0	0	03	50	50	100	3
6		MLNI206	Mini Project with Seminar	3	0	0	03	50	50	100	3
7	PCCL	MLNIL207	Network Protocol Design Laboratory	0	2	0	03	50	50	100	2
8	SEC	MSCS258	SKILL ENHANCEMENT FOR RESEARCH EXCELLENCE-1	0	2	0	03	50	50	100	1
								400	400	800	22
<p>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,.</p> <p>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</p> <p>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.</p>											

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
MLNI214A	Network Routing Algorithm	MLNI215A	INTERNET OF THINGS AND APPLICATIONS
MLNI214B	Social Network Analysis	MLNI215B	ADVANCES IN STORAGE AREA NETWORK
MLNI214C	Mobile Application Development	MLNI215C	Cyber Security and Cyber Law
MLNI214D	Cloud Computing	MLNI215D	NETWORK SECURITY MONITORING