

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI



Scheme of Teaching and Examinations

M.Tech., in CSE

Software Engineering

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

Specialization in – Software Engineering

II SEMESTER

Sl. No	Course	Course Code	Course Title	Teaching Hours /Week			Examination			Credits	
				Theory	Practical/ Seminar	Tutorial/ Skill Development Activities	Duration in hours	CIE Marks	SEE Marks		Total Marks
				L	P	T/SDA					
1	PCC/PEC/ MDC/PCC(PB) /IPCC	MSCS201	Advances in Operating Systems	3	0	0	03	50	50	100	3
2		MSSE202	Advances in Software Testing	3	0	2	03	50	50	100	4
3		MSSE203	Software Project Planning & Management	3	0	0	03	50	50	100	3
4		MSSE214X	Professional Elective course-1	3	0	0	03	50	50	100	3
5		MSSE215X	Professional Elective course-2	3	0	0	03	50	50	100	3
6		MSCE206	Mini Project with Seminar	0	3	0	03	50	50	100	3
7	PCCL	MSSEL207	Software Testing Laboratory	0	2	0	03	50	50	100	2
8	AEC/SEC	MSCS258	Skill Enhancement For Research	0	2	0	03	50	50	100	1
TOTAL								400	400	800	22

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)

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Note: **xxx** means specialization code for example **MDE**- DesignEngineering, **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 designedto 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
MSSE214A	Cloud Computing		MSSE215A	Internet of Things (IOT)
MSSE214B	Deep Learning		MSSE215B	Agile Technologies
MSSE214C	Advanced Java and Web Programming		MSSE215C	Enterprise Application Programming
MSSE214D	Software Metrics & Quality Assurance		MSSE215D	Software Agents

