VISVESVARAYATECHNOLOGICALUNIVERSITY

BELAGAVI

SchemeofTeachingandExaminations(2026)

M.Tech., in Civil Engineering

(SpecializationinComputerAidedDesignofStructures)

Choice-BasedCreditSystem(CBCS)andOutcome-BasedEducation(OBE)

Specializationin–(ComputerAidedDesignofstructures)													
II SEMESTER													
Sl.No	**Course**	**CourseCode**	**CourseTitle**	**Teaching&LearningScheme**					**Examination**				**Credits**
				CI		**LI**	**TW&SL**	**Total Hours**	**Duration in hours**	**CIEMarks**	**SEE Marks**	**Total Marks**	
				L	**T**	**P**							
1	IPCC	1MCCS201 / 1MCSE201	StructuralDynamics	42	0	28	50	120	03	50	50	100	4
2	PCC	1MCCS202	ActionandResponseofStructuralElements	42	0	0	48	90	03	50	50	100	3
3	PCC	1MCCS203	ComputerAidedMatrixMethodsofStructuralAnalysis	42	0	0	48	90	03	50	50	100	3
4	PCC	1MCCS204 / 1MCSE204 / 1MCAS204	ContinuumMechanics	42	0	0	48	90	03	50	50	100	3
5	PEC	1MCCS205X	ProfessionalElective–III	42	0	0	48	90	03	50	50	100	3
6	PEC	1MCCS206X	ProfessionalElective–IV	42	0	0	48	90	03	50	50	100	3
7	PCCL	1MCCSL207	SoftComputingTechniquesinStructural Engineering Laboratory	0	0	28	02	30	03	50	50	100	1
8	PCC	1MCCSS208	MinorProject/SkillDevelopmentProject	0	0	0	60	60	03	50	50	100	2
									Total	**400**	**400**	**800**	**22**

ProfessionalElectiveCourses(PECs)			
PEC-III		PEC-IV	
Code	Titleofthe Course	Code	TitleoftheCourse
1MCCS205A / 1MCSE205A / 1MCAS205A	FiniteElementMethodsinStructuralAnalysis	1MCCS206A / 1MCSE206B / 1MCAS206C	Advanced ConstructionMaterialcharacterizationtechniques
1MCCS205B	StructuralStabilityAnalysis	1MCCS206B	Non-Destructive TestingforCivilEngineering
1MCCS205C / 1MCSE205C	AnalysisandDesignofReinforcedConcreteBridges	1MCCS206C / 1MCSE206C / 1MCAS206D	DesignofPrecastandCompositeStructures
1MCCS205D	GeotechnicalEarthquakeEngineering	1MCCS206D / 1MCSE206D	AnalysisandDesignofPlatesandShells
1MCCS205E / 1MCSE205E	AdvanceddesignofPre-stressedConcreteStructures	1MCCS206E / 1MCAS206E	Geotechnical Aspects of Foundations and Earth Retaining Structures
1MCCS205F / 1MCSE205F / 1MCAS205F	StructuralReliabilityAnalysisandDesign	1MCCS206F / 1MCSE206F / 1MCAS206F	FiberReinforcedPolymersandMechanicsofComposite Materials