VISVESVARAYATECHNOLOGICALUNIVERSITY

BELAGAVI

SchemeofTeachingandExaminations(2026)

M.Tech., in Civil Engineering

(SpecializationinStructuralEngineering)

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

Specializationin–(StructuralEngineering)

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	1MCSE201 / 1MCCS201	StructuralDynamics	42	0	28	50	120	03	50	50	100	4
2	PCC	1MCSE202	AnalysisandDesignofAdvancedReinforced Concrete Structures	42	0	0	48	90	03	50	50	100	3
3	PCC	1MCSE203	AnalysisandDesignofAdvancedSteeland Composite Structures	42	0	0	48	90	03	50	50	100	3
4	PCC	1MCSE204 / 1MCAS204 / 1MCCS204	ContinuumMechanics	42	0	0	48	90	03	50	50	100	3
5	PEC	1MCSE205X	ProfessionalElective–III	42	0	0	48	90	03	50	50	100	3
6	PEC	1MCSE206X	ProfessionalElective–IV	42	0	0	48	90	03	50	50	100	3
7	PCCL	1MCSEL207	SoftComputingTechniquesinStructural Engineering Laboratory	0	0	28	02	30	03	50	50	100	1
8	PCC	1MCSES208	Minor Project/Skill DevelopmentProject	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
1MCSE205A / 1MCAS205A / 1MCCS205A	FiniteElementMethodsinStructuralAnalysis	1MCSE206A / 1MCAS206B	ConstructionMaterialsandtheirProperties
1MCSE205B / 1MCAS205C	AdvancedStructuralAnalysis(NonlinearandStability)	1MCSE206B / 1MCAS206C / 1MCCS206A	AdvancedConstructionMaterialCharacterizationTechniques
1MCSE205C / 1MCCS205C	AnalysisandDesignofReinforcedConcreteBridges	1MCSE206C / 1MCAS206D / 1MCCS206C	DesignofPrecast and CompositeStructures
1MCSE205D	AnalysisandDesignofMasonryStructures	1MCSE206D / 1MCCS206D	AnalysisandDesignofPlatesandShells
1MCSE205E / 1MCCS205E	AdvanceddesignofPre-stressedConcreteStructures	1MCSE206E / 1MCAS206A	ComputationalStructuralMechanics
1MCSE205F / 1MCCS205F / 1MCAS205F	StructuralReliabilityAnalysisandDesign	1MCSE206F / 1MCAS206F / 1MCCS206F	FiberReinforcedPolymersandMechanicsofComposite Materials