



SAGE UNIVERSITY, INDORE
PROGRAM STRUCTURE
CHOICE BASED CREDIT SYSTEM
ACADEMIC SESSION: 2024-25

Semester: I

Admission Batch : 2024-25

Master of Technology in Structural Engineering

S.N.	Subject Code	Category	Subject Title	Maximum Marks Allotted										Total		
				Theory (100 Marks)			Studio/Practical (50 Marks)				Total Marks	Hours/week			Credits	Hours
				End Sem	Continuous Internal Evaluation		End Sem. Exam (ESE)	Continuous Internal Evaluation		L		T	P	NTCC		
					Mid Sem Test (MST)	Attendance/Quiz/Assignment		Lab Work/WPR	Attendance/Assignment/viva/Lab manual							
1	ECEDCMAT001T	DC	Advanced Mathematics and Numerical Analysis	60	20	20	-	-	-	100	3	1	0	-	4	4
2	ECEDCSTD001T	DC	Structural Dynamics	60	20	20	-	-	-	100	2	1	0	-	3	3
3	ECEDCACT001T	DC	Advance Concrete Technology	60	20	20	-	-	-	100	3	0	0	-	3	3
4	ECEDCDMA001T	DC	Disaster Management	60	20	20	-	-	-	100	4	0	0	-	4	4
5	TO BE SELECTED FROM LIST	DE	Departmental Elective-I	60	20	20	-	-	-	100	4	0	0	-	4	4
6	ECEDCACT001P	DC	Advanced Concrete Technology Lab.	-	-	-	30	10	10	50	0	0	2	-	1	2
7	ECEDCSTD001P	DC	Structural Dynamics Lab.	-	-	-	30	10	10	50	0	0	2	-	1	2
8	TO BE SELECTED FROM LIST	DSEEC	Departmental Skill Enhancement Elective Course-I	-	-	-	30	10	10	50	0	0	4	-	2	4
Total				300	100	100	90	30	30	650	16	2	8	0	22	26

Departmental Elective-I	ECEDEADC001T	Advance Design of Concrete Structures
	ECEDEACM002T	Advance Construction Material

Departmental Skill Enhancement Elective Course-I	ECEDSSMT001P	Structural Modelling Tool
	ECEDSPDT001P	Professional Drawing Tool

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SAGE UNIVERSITY, INDORE
PROGRAM STRUCTURE
CHOICE BASED CREDIT SYSTEM
ACADEMIC SESSION: 2023-24

Semester: II
Master of Technology in Structural Engineering

Admission Batch : 2024-25

S.N.	Subject Code	Category	Subject Title	Maximum Marks Allotted											Total	
				Theory(100 Marks)			Studio/Practical (50 Marks)			Total Marks	Hours/week				Credits	Hours
				End Sem	Continuous Internal Evaluation		End Sem. Exam (ESE)	Continuous Internal Evaluation			L	T	P	NTCC		
					Mid Sem Test (MST)	Attendance/Quiz/Assignment		Lab Work/W PR	Attendance /Assignment/viva / Lab manual							
1	ECEDCFEM001T	DC	Finite Element Method	60	20	20	-	-	-	100	3	1	0	-	4	4
2	ECEDCASA001T	DC	Advanced Structural Analysis	60	20	20	-	-	-	100	3	1	0	-	4	4
3	ECEDCASS001T	DC	Design of Advance Steel Structures	60	20	20	-	-	-	100	3	0	0	-	3	3
4	TO BE SELECTED FROM LIST	DE	Departmental Elective-II	60	20	20	-	-	-	100	4	0	0	-	4	4
5	TO BE SELECTED FROM LIST	DE	Departmental Elective-III	60	20	20	-	-	-	100	4	0	0	-	4	4
6	ECEDCASS001P	DC	Design of Advance Steel Structures Lab.	-	-	-	30	10	10	50	0	0	2	-	1	2
7	TO BE SELECTED FROM LIST	DSEEC	Departmental Skill Enhancement Elective Course-II	-	-	-	30	10	10	50	0	0	4	-	2	4
Total				300	100	100	60	20	20	600	17	2	6	-	22	25

Departmental Elective-II	ECEDERRR003T	Repair Rehabilitation and Retrofitting of Structures
	ECEDESHM004T	Structural Health Monitoring
Departmental Elective-III	ECEDEDER005T	Design of Earthquake Resistant Structures
	ECEDEDPC006T	Design of Prestressed Concrete Structures
Departmental Skill Enhancement Elective Course-II	ECEDSSAD002P	Structural Analysis & Design Tool
	ECEDSAST002P	Advanced Structural 3D Modelling Tool

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SAGE UNIVERSITY, INDORE
PROGRAM STRUCTURE
CHOICE BASED CREDIT SYSTEM
ACADEMIC SESSION: 2024-25

Semester: III
Master of Technology in Structural Engineering

Admission Batch : 2023-24

S.N.	Subject Code	Category	Subject Title	Maximum Marks Allotted										Total		
				Theory(100 Marks)			Studio/Practical (50 Marks)			Total Marks	Hours/week				Credits	Hours
				End Sem	Continuous Internal Evaluation		End Sem. Exam (ESE)	Continuous Internal Evaluation			L	T	P	NTCC		
					Mid Sem Test (MST)	Attendance/Quiz/Assignment		Lab Work/WPR	Attendance /Assignment/viva / Lab manual					Studio /Field Work/ outreach		
1	ECEDCRMD001T	DC	Research Methodology	60	20	20	-	-	-	100	3	1	0	-	4	4
2	ECEDCTPS001T	DC	Theory of Plates and Shells	60	20	20	-	-	-	100	3	1	0	-	4	4
3	TO BE SELECTED FROM LIST	DE	Departmental Elective-IV	60	20	20	-	-	-	100	4	0	0	-	4	4
4	TO BE SELECTED FROM LIST	DE	Departmental Elective-V	60	20	20	-	-	-	100	4	0	0	-	4	4
5	ECEDSINT001N	DSEEC	Industrial Internship	-	-	-	-	20	30	50	0	0	0	4	2	-
6	ECEDPDSP001N	DAP	Dissertation Phase-I	-	-	-	-	40	60	100	0	0	0	12	6	-
Total				240	80	80	0	60	90	550	14	2	0	16	24	16

Departmental Elective-IV	ECEDEAFA007T	Advance Foundation Analysis and Design
	ECEDETOE008T	Theory of Elasticity and Plasticity

Departmental Elective-V	ECEDEESA009T	Experimental Stress Analysis
	ECEDEADB010T	Advance Design of Concrete Bridges

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ACADEMIC SESSION: 2024-25

Semester: IV
Master of Technology in Structural Engineering

Admission Batch : 2023-24

S.N.	Subject Code	Category	Subject Title	Maximum Marks Allotted										Total		
				Theory(100 Marks)			Studio/Practical (50 Marks)				Total Marks	Hours/week			Credits	Hours
				End Sem	Continuous Internal Evaluation		End Sem. Exam (ESE)	Continuous Internal Evaluation		L		T	P	NTCC		
					Mid Sem Test (MST)	Attendance/Quiz/Assignment		Lab Work /WPR	Attendance /Assignment/viva / Lab manual					Studio /Field Work/ outreach		
1	TO BE SELECTED FROM LIST	DSEEC	Departmental Skill Enhancement Elective Course-III	-	-	-	30	10	10	50	0	0	4	-	2	4
2	ECEDPDSP002N	DAP	Dissertation Phase II	-	-	-	-	40	60	100	0	0	0	30	15	-
Total				0	0	0	30	50	70	150	0	0	4	30	17	4

Departmental Skill Enhancement Elective Course-III	ECEDSTPW004P	Technical Paper Writing
	ECEDSPRS004P	Presentation Skills

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