



**SAGE UNIVERSITY, INDORE**  
**PROGRAM STRUCTURE**  
**CHOICE BASED CREDIT SYSTEM**  
**ACADEMIC SESSION: 2025-26**

**Semester: I**

**Master of Technology in Structural Engineering**

**Admission Batch : 2025-26**

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	<b>TO BE SELECTED FROM LIST</b>	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	<b>TO BE SELECTED</b>	DSEEC	Departmental Skill Enhancement Elective Course-I	-	-	-	30	10	10	50	0	0	4	-	2	4
<b>Total</b>				<b>300</b>	<b>100</b>	<b>100</b>	<b>90</b>	<b>30</b>	<b>30</b>	<b>650</b>	<b>16</b>	<b>2</b>	<b>8</b>	<b>0</b>	<b>22</b>	<b>26</b>

<b>Departmental Elective-I</b>	ECEDEADC001T	Advance Design of Concrete Structures
	ECEDEACM002T	Advance Construction Material

<b>Departmental Skill Enhancement Elective Course-I</b>	ECEDSSMT001P	Structural Modelling Tool
	ECEDSPDT001P	Professional Drawing Tool

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**SAGE UNIVERSITY, INDORE**  
**PROGRAM STRUCTURE**  
**CHOICE BASED CREDIT SYSTEM**  
**ACADEMIC SESSION: 2025-26**

**Semester: II**  
**Master of Technology in Structural Engineering**

**Admission Batch : 2025-26**

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	<b>TO BE SELECTED FROM LIST</b>	DE	Departmental Elective-II	60	20	20	-	-	-	100	4	0	0	-	4	4
5	<b>TO BE SELECTED FROM LIST</b>	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	<b>TO BE SELECTED FROM LIST</b>	DSEEC	Departmental Skill Enhancement Elective Course-II	-	-	-	30	10	10	50	0	0	4	-	2	4
<b>Total</b>				<b>300</b>	<b>100</b>	<b>100</b>	<b>60</b>	<b>20</b>	<b>20</b>	<b>600</b>	<b>17</b>	<b>2</b>	<b>6</b>	<b>-</b>	<b>22</b>	<b>25</b>

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

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**PROGRAM STRUCTURE**  
**CHOICE BASED CREDIT SYSTEM**  
**ACADEMIC SESSION: 2025-26**

**Semester: III**  
**Master of Technology in Structural Engineering**

**For Admission Batch: 2024-25, 2025-26**

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	<b>TO BE SELECTED FROM</b>	DE	Departmental Elective-IV	60	20	20	-	-	-	100	4	0	0	-	4	4	
4	<b>TO BE SELECTED FROM</b>	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	-	
<b>Total</b>				<b>240</b>	<b>80</b>	<b>80</b>	<b>0</b>	<b>60</b>	<b>90</b>	<b>550</b>	<b>14</b>	<b>2</b>	<b>0</b>	<b>16</b>	<b>24</b>	<b>16</b>	

<b>Departmental Elective-IV</b>	ECEDEAFA007T	Advance Foundation Analysis and Design
	ECEDETOE008T	Theory of Elasticity and Plasticity

<b>Departmental Elective-V</b>	ECEDEESA009T	Experimental Stress Analysis
	ECEDEADB010T	Advance Design of Concrete Bridges

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**ACADEMIC SESSION: 2025-26**

**Semester: IV**

**Master of Technology in Structural Engineering**

For Admission Batch: 2024-25, 2025-26

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.	Continuous Internal Evaluation			L	T	P	NTCC		
					Mid Sem Test (MST)	Attendance/Quiz/Assignment		Exam (ESE)	Lab Work /WPR							
1	<b>TO BE SELECTED FROM LIST</b>	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	-
<b>Total</b>				<b>0</b>	<b>0</b>	<b>0</b>	<b>30</b>	<b>50</b>	<b>70</b>	<b>150</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>30</b>	<b>17</b>	<b>4</b>

<b>Departmental Skill Enhancement Elective Course-III</b>	ECEDSTPW004P	Technical Paper Writing
	ECEDSPRS004P	Presentation Skills

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