



# MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(Deemed University)

(Declared Under Distinct Category by Ministry of Education, Government of India)

NAAC Accredited with A++ Grade

Department of Civil Engineering

Scheme of Evaluation

M. E. I Semester (Construction Technology & Management)

(for batch admitted in academic session 2024-25)

S. No.	Course Code	Category Code	Course Name	Maximum Marks Allotted						Total Marks	Contact Hours per week			Total Credits	Mode of Learning	Mode of Major Evaluation	Duration of Major Evaluation
				Theory Block				Practical Block									
				Continuous Evaluation			Major Evaluation	Continuous Evaluation	Major Evaluation								
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment		Lab Work & Sessional									
1.	51241101	DC	Computational Techniques	20	20	30	30	-	-	100	3	-	-	3	Face to Face	PP	2 Hrs
2.	51241102	DC	Constraction Project Management	20	20	30	30	-	-	100	2	1	-	3	Face to Face	PP	2 Hrs
3.	51241103	DC	Construction Materials, Machines & Techniques	20	20	30	30	-	-	100	2	1	-	3	Face to Face	PP	2 Hrs
4.	512411XX	DE	Departmental Elective (DE-1)	20	20	30	30	-	-	100	3	-	-	3	Face to Face	PP	2 Hrs
5.	51241104	SPC	Management Theory (SPC-1)	20	20	30	30	-	-	100	3	-	-	3	Face to Face	PP	2 Hrs
6.	51241105	DLC	Materials Lab <sup>2</sup>	-	-	-	-	70	30	100	-	-	4	2	Experiential	SO	-
7.	51241106	SLP	Seminar/Presentation <sup>5</sup>	-	-	-	-	70	30	100	-	-	4	2	Mentoring	SO	-
8.	51241111	NEC	Classified Novel Engaging Course (Activity Based Learning) MIS Project & Excel	-	-	-	-	-	50	50	-	1	-	1	Interactive	SO	-
Total				100	100	150	150	140	110	750	13	03	08	20	-	-	-

MCQ: Multiple Choice Question PP: Pen Paper SO: Submission + Oral OB: Open Book

<sup>2</sup> During lab, students have to perform practical/assignments/minor projects related to the courses of respective semester using recent technologies / languages / tools etc.

<sup>3</sup> Seminar/Presentation through SWAYAM / NPTEL (Registration in a course will be compulsory for students but assessment will be based on internal seminar presentation).

DE-1		
S. No.	Course Code	Course Name
1.	51241107	Maintenance Management
2.	51241108	Infrastructure Development
3.	51241109	Formwork for Concrete Structures
4.	51241110	Environmental Auditing & Management Systems

Mode of Learning					Mode of Examination				Total Credits
Theory		Lab		NEC	Theory		Lab	NEC	
Face to Face	Online	Mentoring	Experiential	Interactive	PP	MCQ	OB	SO	
15		2	2	1	15			4	
75%		10%	10%	5%	75%			20%	5%

Recommended in the Board of Studies Meeting of Department of Civil Engineering held on 9 Dec 2024

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Scheme of Evaluation

M. E. II Semester (Construction Technology & Management)

(for batch admitted in academic session 2024-25)

Construction Technology & Management																			(for batch admitted in academic session 2024-25)					
S. No.	Course Code	Category Code	Course Name	Maximum Marks Allotted								Total Marks	Contact Hours per week			Total Credits	Mode of Learning	Mode of Major Evaluation	Duration of Major Evaluation					
				Theory Block				Practical Block		MOOCs														
				Continuous Evaluation			Major Evaluation	Continuous Evaluation Lab Work & Sessional	Major Evaluation	Assignment	Exam													
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment																		
1.	51241201	DC	Project Economics & Financing	20	20	30	30	-	-	-	-	100	3	-	-	3	Face to Face	PP	2 Hrs					
2.	51241202	DC	Construction Cost Management	20	20	30	30	-	-	-	-	100	2	1	-	3	Face to Face	PP	2 Hrs					
3.	51241203	DC	Contract Management	20	20	30	30	-	-	-	-	100	2	1	-	3	Face to Face	PP	2 Hrs					
4.	512412XX	DE	Departmental Elective* (DE-2)	-	-	-	-	-	-	25	75	100	3	-	-	3	Online	MCQ	3 Hrs					
5.	51241204	SPC	Repair, Rehabilitation & Retrofitting of Structures (SPC-2)	20	20	30	30	-	-	-	-	100	2	1	-	3	Face to Face	PP	2 Hrs					
6.	51241205	DLC	Computational Lab *	-	-	-	-	70	30	-	-	100	-	-	4	2	Experiential	SO	-					
7.	51241206	SLP	Seminar/Presentation <sup>5</sup>	-	-	-	-	70	30	-	-	100	-	-	4	2	Mentoring	SO	-					
8.	51241207	NEC	Classified Novel Engaging Course (Activity Based Learning) Fire Safety & Regulation in Building	-	-	-	-	-	50	-	-	50	-	1	-	1	Interactive	SO	-					
Total				80	80	120	120	140	110	25	75	750	12	04	08	20	-	-	-					

MCQ: Multiple Choice Question PP: Pen Paper SO: Submission + Oral OB: Open Book

\* This course will run through SWAYAM / NPTEL / MOOC based learning platform (with credit transfer facility). The course can be related & relevant to other domain as well.

\* During lab, students have to perform practical/assignments/minor projects related to the courses of respective semester using recent technologies / languages / tools etc.

\* Seminar/Presentation through SWAYAM / NPTEL (Registration in a course will be compulsory for students but assessment will be based on internal seminar presentation).

DE-2* (through SWAYAM / NPTEL / MOOC)		
S. No.	Course Code	Course Name
1.	51241208	Strategies for Sustainable Design

Mode of Learning					Mode of Examination					Faculty of Engg	
Theory		Lab		NEC	Theory			Lab	NEC		Total Credits
Face to Face	Online	Mentoring	Experiential	Interactive	PP	MCQ	OB	SO	SO		
12	3	2	2	1	12	3		4	1		
60%	15%	10%	10%	5%	60%	15%		20%	5%		
										Credits %	



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**Scheme of Evaluation**  
**M. E. III Semester (Construction Technology & Management)**

**(for batch admitted in academic session 2024-25)**

S.No.	Course Code	Category Code	Course Name	Maximum Marks Allotted						Total Marks	Contact Hours per week			Total Credits	Mode of Learning	Mode of Major Evaluation	Duration of Major Evaluation
				Theory Block				Practical Block									
				Continuous Evaluation			Major Evaluation	Continuous Evaluation	Major Evaluation								
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment		Lab Work & Sessional									
1.	51242101	DLC	Preliminary Dissertation (Literature Review/ Problem Foundation/ Synopsis/ survey paper, etc.)	-	-	-	-	175	75	250	-	-	28	14	Interactive	SO	-
Total				-	-	-	-	175	75	250	-	-	28	14	-	-	-