

Civil  
164  
11/9/25



**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**  
**B. Tech. I Semester (Civil Engineering)**

(for batch admitted in academic session 2025-26)

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 Lab Work & Sessional	Major Evaluation								
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment											
1.	11251101	DC	Civil Engineering Materials & Construction	25	25	20	30	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs
2.	11251102	ESC	Computer Programming	25	25	20	30	-	-	100	2	-	-	2	Face to Face	MCQ	2 Hrs
3.	11251103	DC	Engineering Mechanics	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
4.	11251104	DC	Building Design & Drawing	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
5.	11251105	ESC	Basic Electrical & Electronics Engineering	25	25	20	30	-	-	100	2	-	-	2	Face to Face	MCQ	2 Hrs
6.	11251106	DLC	Computer Programming Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
7.	11251107	DLC	Electrical & Electronics Engineering Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
8.	11251108	SP	Semester Proficiency <sup>5</sup>	-	-	-	-	50	-	50	-	-	2	1	Face to Face	SO	-
9.	11251109	PBL	Micro Project-I <sup>6</sup>	-	-	-	-	70	30	100	-	-	2	1	Experiential	SO	-
10.	11251110	ESC	Engineering Foundation	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
11.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	-	1	-	1	Interactive	SO	-
Total				125	125	100	150	380	120	1000	11	03	10	19	-	-	-
12.	11251111	MAC	Universal Human Values & Professional Ethics (UHVPE)	25	25	20	30	-	-	100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs
13.	11251112	MWS	Mandatory Workshop on Report Writing at Department Level											GRADE	Interactive	MCQ	-
14.	11251113	MWS	Mandatory Workshop on Indian Constitution and Cultural Values at Department Level											GRADE	Interactive	MCQ	-
Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept/Branch & Innovations.																	
Skill Internship Program (Soft Skill): Minimum 45 hours duration: To be credited in II Semester.																	

Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept/Branch & Innovations.

Skill Internship Program (Soft Skill): Minimum 45 hours duration: To be credited in II Semester.

<sup>5</sup>Semester Proficiency-- includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in the semester courses.

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

<sup>6</sup> Micro Project-I will be presented and evaluated through an interdisciplinary project evaluation committee.

HSMC	BSC	ESC	DC	DE	SPC	OC	DLC	NEC	SP	SIP	SLP	PDC	PBL	MAC	MWS
0	0	3	3	0	0	0	2	1	1	0	0	0	1	1	2

Mode of Learning						Mode of Examination						Total Credits	
Theory		NEC		Lab		Theory				Lab			NEC
Face to Face	Online	Interactive	Face to Face	Experiential	Experimental	PP	AO	MCQ	OB	SO	AO		SO
13		1	1	1	3			13		2	3	1	19
68.42%		5.26%	5.26%	5.26%	15.8%			68.42%		10.52%	15.8%	5.26%	Credits %

Recommended in the Board of Studies Meeting of Department of Civil Engineering held on 4 June 2025





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**Department of Civil Engineering**  
**Scheme of Evaluation**  
**B. Tech. II Semester (Civil Engineering)**

(for batch admitted in academic session 2025-26)

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.	11251201	DC	Surveying	25	25	20	30	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs
2.	11251202	DC	Strength of Material	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
3.	11251203	DC	Concrete Technology	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
4.	11251204	DC	Fluid Mechanics – I	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
5.	11251205	BSC	Matrices & Calculus	25	25	20	30	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs
6.	11251206	DLC	Building Materials & Construction Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
7.	11251207	DLC	Problem Solving through Python Programming	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
8.	11251208	SP	Semester Proficiency <sup>5</sup>	-	-	-	-	50	-	50	-	-	2	1	Face to Face	SO	-
9.	11251209	PBL	Micro Project-II <sup>6</sup>	-	-	-	-	70	30	100	-	-	2	1	Experiential	SO	-
10.	11251210	ESC	Engineering Foundation	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
11.	11251211	HSMC	Language Lab	-	-	-	-	70	30	100	-	-	2	1	Blended	AO	-
12.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	-	1	-	1	Interactive	SO	-
13.	SIP1XXXX	SIP	Skill Internship Program (Soft Skills)	-	-	-	-	60	-	60	-	-	-	2**	Experiential	SO	-
Total				125	125	100	150	510	150	1160	12	04	12	24	-	-	-
14.	11251212	MAC	Sustainability & Environmental Science	-	-	-	-	100	-	100	-	2	-	GRADE	Blended	SO	-
15.	11251213	MWS	Mandatory Workshop on Career Planning & Goal Setting at Department Level											GRADE	Interactive	MCQ	-

**Summer Semester of six-eight weeks duration will be conducted for makeup of I & II semester examination.**

<sup>5</sup>Semester Proficiency– includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in the semester courses

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

\*\* These credits will be transferred from Skill Internship Program (Soft Skills).

\* Micro Project-II will be presented and evaluated through an interdisciplinary project evaluation committee.

HSMC	BSC	ESC	DC	DE	SPC	OC	DLC	NEC	SP	SIP	SLP	PDC	PBL	MAC	MWS
1	1	1	4	0	0	0	2	1	1	1	0	0	1	1	1

Mode of Learning							Mode of Examination							Total Credits
Theory		NEC	Lab				Theory				Lab		NEC	
Face to Face	Online	Interactive	Face to Face	Blended	Experiential	Experimental	PP	AO	MCQ	OB	SO	AO	SO	
15		1	1	1	3	3			15		4	4	1	24
62.5%		4.17%	4.17%	4.17%	12.5%	12.5%			62.5%		16.67%	16.67%	4.17%	Credits %