



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



Semester-Wise General Scheme Structure & Important Guidelines for Flexible Curriculum

(Batch admitted in Academic Session 2025-26 onwards)

Abbreviations Used

L	Lecture
T	Tutorial
P	Practical
HSMC	Humanities and Social Sciences including Management Courses
BSC	Basic Science Courses
ESC	Engineering Science Courses
DC	Departmental Core
DE	Departmental Elective
SPC	Specialization Courses
OC	Open Category
DLC	Departmental Laboratory Courses
MOOC	Massive Open Online Course
MWS	Mandatory Workshop
SP	Semester Proficiency
SIP	Skill Internship Program
SLP	Self-learning Presentation
PSC	Professional Skills & Competencies
PDC	Professional Development Component
PBL	Project Based Learning
PC	Professional Certification
MAC	Mandatory Audit Course
NEC	Novel Engaging Course



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Course Category wise Credit Distribution
(Batch admitted in Academic Session 2025-26)

Category Code	Name of Course Category	Total Credits allotted in Scheme	% Distribution of Credit
HSMC	Humanities and Social Sciences including Management Courses	01	1%
BSC	Basic Science Courses	06	4%
ESC	Engineering Science Courses	06	4%
DC	Departmental Core	69	42%
DE	Departmental Elective	15	10%
PSC	Professional Skills & Competencies	04	3%
OC	Open Category	08	5%
DLC	Departmental Laboratory Courses	14	9%
MWS	Mandatory Workshop	Audit Course	Audit Course
SP	Semester Proficiency	06	4%
SIP	Skill Internship Program	04	3%
SLP	Self-learning Presentation	01	1%
PDC	Professional Development Component	02	1%
PBL	Project Based Learning	18	11%
PC	Professional Certification	01	1%
MAC	Mandatory Audit Course	Audit Course	Audit Course
NEC	Novel Engaging Course	04	3%
SEP	Skill Enhancement Program	01	1%



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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	Major Evaluation								
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment		Lab Work & Sessional									
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 ^{\$}	-	-	-	-	50	-	50	-	-	2	1	Face to Face	SO	-
9.	11251109	PBL	Micro Project-I [#]	-	-	-	-	70	30	100	-	-	2	1	Experiential	SO	-
10.	11251110	ESC	Engineering Chemistry Lab ^{\$\$}	-	-	-	-	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.																	

^{\$}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

[#] 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	
68.42%		5.26%	5.26%	5.26%	15.8%			68.42%		10.52%	15.8%	5.26%	Credits %



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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 Lab Work & Sessional	Major Evaluation								
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment											
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 ^{\$}	-	-	-	-	50	-	50	-	-	2	1	Face to Face	SO	-
9.	11251209	PBL	Micro Project-II [#]	-	-	-	-	70	30	100	-	-	2	1	Experiential	SO	-
10.	11251210	ESC	Engineering Physics Lab ^{\$s}	-	-	-	-	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	25	25	20	30	-	-	100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs
15.	11251213	MWS	Mandatory Workshop on Indian Knowledge System at Department Level											GRADE	Interactive	MCQ	-
16.	11251214	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.																	

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

^{\$}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	2

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	
62.5%		4.17%	4.17%	4.17%	12.5%	12.5%			62.5%		16.67%	16.67%	4.17%	Credits %



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Scheme of Evaluation

B. Tech. III 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			L	T	P				
				Continuous Evaluation			Major Evaluation	Continuous Evaluation Lab Work & Sessional	Major Evaluation								
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment											
1.	11252101	BSC	Transforms & Vector Calculus	25	25	20	30	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs
2.	11252102	DC	Data Structures	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
3.	11252103	DC	Fluid Mechanics – II	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
4.	11252104	DC	Geotechnical Engineering – I	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
5.	11252105	DC	Structural Analysis – I	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
6.	11252106	DLC	Fluid Mechanics Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
7.	11252107	DLC	Survey Practice Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	SO	-
8.	11252108	SP	Semester Proficiency ^{\$}	-	-	-	-	50	-	50	-	-	2	1	Face to Face	SO	-
9.	11252109	PBL	Macro Project-I [#]	-	-	-	-	70	30	100	-	-	2	1	Experiential	SO	-
10.	11252110	SLP	Self-learning/Presentation ^{\$\$\$} (SWAYAM/NPTEL/MOOC)	-	-	-	-	40	-	40	-	-	2	1	Mentoring	SO	-
11.	NECXXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	-	1	-	1	Interactive	SO	-
Total				125	125	100	150	350	90	940	11	05	10	21	-	-	-
12.	11252111	MAC	Cyber Security	25	25	20	30	-	-	100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs
13.	11252112	MWS	Mandatory Workshop on Mastering Competitive Success at Department Level											GRADE	Interactive	MCQ	-
Skill Internship Program (Institute Level) (Qualifier): Minimum 30 hours duration: To be credited in IV Semester																	

Skill Internship Program (Institute Level) (Qualifier): Minimum 30 hours duration: To be credited in IV Semester

^{\$}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

[#] Macro Project-I will be presented and evaluated through an interdisciplinary project evaluation committee.

^{\$\$\$} Compulsory registration for one online course using SWAYAM/NPTEL/ MOOC, evaluation through attendance and presentation.

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

Mode of Learning							Mode of Examination							Total Credits
Theory			Lab				Theory				Lab		NEC	
Face to Face	Online	Interactive	Face to Face	Mentoring	Experiential	Experiential	PP	AO	MCQ	OB	SO	AO	SO	
15		1	1	1	1	2			15		4	1	1	21
71.5%		4.76%	4.76%	4.76%	4.76%	9.5%			71.5%		19%	4.76%	4.76%	Credits %



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Scheme of Evaluation

B. Tech. IV 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			L	T	P				
				Continuous Evaluation			Major Evaluation	Continuous Evaluation	Major Evaluation								
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment		Lab Work & Sessional									
1.	11252201	DC	Transportation Engineering – I	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
2.	11252202	DC	Water Supply Engineering	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
3.	11252203	DC	Estimating Costing & Contracting	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
4.	11252204	DC	Geotechnical Engineering – II	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
5.	11252205	DC	Structural Analysis - II	25	25	20	30	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs
6.	11252206	DLC	Transportation Engineering Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
7.	11252207	DLC	Geotechnical Engineering Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
8.	11252208	DLC	Civil Engineering Drawing Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	SO	-
9.	11252209	SP	Semester Proficiency ^{\$}	-	-	-	-	50	-	50	-	-	2	1	Face to Face	SO	-
10.	11252210	PBL	Macro Project-II [#]	-	-	-	-	70	30	100	-	-	2	1	Experiential	SO	-
11.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	-	1	-	1	Interactive	SO	-
12.	SIP3XXXX	SIP	Skill Internship Program (Institute Level)	-	-	-	-	60	-	60	-	-	-	2**	Experiential	SO	-
Total				125	125	100	150	440	120	1060	11	05	10	23	-	-	-
13.	11252211	MAC	Project Management, Economics & Financing	25	25	20	30	-	-	100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs
14.	11252212	MWS	Mandatory Workshop on Writing Research Articles: Idea to Publication at Department Level											GRADE	Interactive	MCQ	-
15.	11252213	MWS	Mandatory Workshop on Intellectual Property Rights at Department Level											GRADE	Interactive	MCQ	-
Summer Semester of six-eight weeks duration will be conducted for makeup of previous semester examination.																	
Additional Course for Honours or Minor Degree: Permitted to opt for maximum two additional courses for the award of Honours or Minor Degree																	

^{\$}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

[#] Macro Project-II will be presented and evaluated through an interdisciplinary project evaluation committee.

^{**} These credits will be transferred from Skill Internship Program (Institute Level).

BSC	ESC	DC	DE	SPC	OC	DLC	NEC	SP	SIP	SLP	PDC	PBL	MAC	MWS
0	0	5	0	0	0	3	1	1	1	0	0	1	1	2

Mode of Learning							Mode of Examination							Total Credits
Theory			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		3	3			15		5	2	1	23
65.2%		4.35%	4.35%		13.05%	13.05%			65.2%		21.74%	8.71%	4.35%	Credits %



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Scheme of Evaluation

B. Tech. V 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		MOOCs									
				Continuous Evaluation			Major Evaluation	Continuous Evaluation	Major Evaluation	Assignment	Exam								
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment		Lab Work & Sessional											
1.	11253101	DC	Waste Water Engineering	25	25	20	30	-	-	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
2.	11253102	DC	Structural Design & Drawing (RCC)	25	25	20	30	-	-	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
3.	11253103	DC	Data Science	25	25	20	30	-	-	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
4.	11253104	DC	Transportation Engineering - II	25	25	20	30	-	-	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
5.	112531XX	DE	Departmental Elective* (DE-1)	-	-	-	-	-	-	25	75	100	3	-	-	3	Online	MCQ	3 Hrs
6.	11253105	DLC	Environmental Lab	-	-	-	-	70	30	-	-	100	-	-	2	1	Experimental	AO	-
7.	11253106	DLC	Data Science Lab	-	-	-	-	70	30	-	-	100	-	-	2	1	Experimental	AO	-
8.	11253107	SP	Semester Proficiency ^{\$}	-	-	-	-	50	-	-	-	50	-	-	2	1	Face to Face	SO	-
9.	11253108	PSC	Professional Skills & Competencies - I	-	-	-	-	70	30	-	-	100	-	-	4	2	Face to Face	MCQ	2Hrs
10.	11253109	PBL	Cornerstone Project	-	-	-	-	70	30	-	-	100	-	-	4	2	Experiential	SO	-
Total				100	100	80	120	330	120	25	75	950	11	04	14	22	-	-	-
11.	11253110	MAC	Supply Chain Management	25	25	20	30	-	-			100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs
12.	11253111	MWS	Mandatory Workshop on Internships: Explore, Apply and Excel at Department Level													GRADE	Interactive	MCQ	-
Additional Course for Honours or Minor Degree: Permitted to opt for maximum two additional courses for the award of Honours or Minor Degree																			

*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

* Course run through SWAYAM/NPTEL/ MOOC Learning Based Platform

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

Mode of Learning					Mode of Examination							Total Credits
Theory		Lab			Theory				Lab			
Face to Face	Online	Face to Face	Experiential	Experimental	PP	AO	MCQ	OB	SO	MCQ	AO	
12	3	3	2	2			15		3	2	2	
54.6%	13.6%	13.6%	9.1%	9.1%			68.1%		13.6%	9.1%	9.1%	Credits %



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Department of Civil Engineering

Scheme of Evaluation

B. Tech. VI 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		MOOCs			L	T	P				
				Continuous Evaluation			Major Evaluation	Continuous Evaluation	Major Evaluation	Assignment	Exam								
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment													
1.	11253201	DC	Engineering Hydrology & Irrigation	25	25	20	30	-	-	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
2.	11253202	DC	Structural Design & Drawing (Steel)	25	25	20	30	-	-	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
3.	11253203	DC	Artificial Intelligence & Machine Learning	25	25	20	30	-	-	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs
4.	112532XX	DE	Departmental Elective* (DE-2)	-	-	-	-	-	-	25	75	100	3	-	-	3	Online	MCQ	3 Hrs
5.	112532XX	OC	Open Category Course (OC-1)	25	25	20	30	-	-	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
6.	11253204	DLC	Structure Engineering Lab	-	-	-	-	70	30	-	-	100	-	-	2	1	Experimental	AO	-
7.	11253205	DLC	Artificial Intelligence & Machine Learning Lab	-	-	-	-	70	30	-	-	100	-	-	2	1	Experimental	AO	-
8.	11253206	SP	Semester Proficiency ^{\$}	-	-	-	-	50	-	-	-	50	-	-	2	1	Face to Face	SO	-
9.	11253207	PC	Professional Certification	-	-	-	-	50	-			50	-	-	2	1	Blended	SO	-
10.	11253208	PSC	Professional Skills & Competencies - II	-	-	-	-	70	30	-	-	100	-	-	4	2	Face to Face	MCQ	2Hrs
11.	11253209	PBL	Capstone Project	-	-	-	-	70	30	-	-	100	-	-	4	2	Experiential	SO	-
Total				100	100	80	120	380	120	25	75	1000	12	03	16	23	-	-	-
12.	11253210	MAC	Disaster Management	25	25	20	30	-	-	-	-	100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs
13.	11253211	MWS	Mandatory Workshop on Placement Readiness: Building Resume and Mastering Interview at Department Level													GRADE	Interactive	MCQ	-
Skill Enhancement Program/Research Internship/On Job Training for Four weeks duration																			
Summer Semester of six-eight weeks duration will be conducted for makeup of previous semester examination.																			
Additional Course for Honours or Minor Degree: Permitted to opt for maximum two additional courses for the award of Honours or Minor Degree																			

^{\$}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

* Course run through SWAYAM/NPTEL/ MOOC Learning Based Platform.

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

Mode of Learning						Mode of Examination						Total Credits
Theory		Lab				Theory			Lab			
Face to Face	Online	Face to Face	Experiential	Bended	Experimental	PP	AO	MCQ	MCQ	SO	AO	
12	3	3	2	1	2			15	2	4	2	
52.2%	13%	13%	8.7%	4.4%	8.7%			65.2%	8.7%	17.4%	8.7%	Credits %



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. VII Semester (*Civil Engineering*)

(for batch admitted in academic session 2025-26)

S. No.	Course Code	Category Code	Course Name	Maximum Marks Allotted								Total Marks	ContactHours 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	Major Evaluation	Assignment	Exam								
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment		Lab Work & Sessional											
1.	I12541XX	DE	Departmental Elective # (DE-3)	25	25	20	30	-	-	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs
2.	I12541XX	DE	Departmental Elective* (DE-4)	-	-	-	-	-	-	25	75	100	3	-	-	3	Online	MCQ	3 Hrs
3.	I12541XX	OC	Open Category Course* (OC-2)	-	-	-	-	-	-	25	75	100	3	-	-	3	Online	MCQ	3 Hrs
4.	I1254101	SEP	Skill Enhancement Program/Research Internship/ On Job Training	-	-	-	-	-	50	-	-	50	-	-	-	1**	Face to Face	SO	-
5.	I1254102	DLC	Creative Problem Solving	-	-	-	-	-	50	-	-	50	-	-	2	1	Experiential	SO	-
Total				25	25	20	30	-	100	50	150	400	09	-	02	11	-	-	-
Additional Course for Honours or Minor Degree: Permitted to opt for maximum two additional courses for the award of Honours or Minor Degree																			

Additional Course for Honours or Minor Degree: Permitted to opt for maximum two additional courses for the award of Honours or Minor Degree

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

* Course run through SWAYAM/NPTEL/ MOOC Learning Based Platform.

** These credits will be transferred from Skill Enhancement Program/Research Internship/On Job Training

Course run through MITS-DU MOOCs

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

Mode of Learning					Mode of Examination					Total Credits
Theory		Lab			Theory				Lab	
Face to Face	Online	Face to Face	Experiential	Experimental	PP	AO	MCQ	OB	SO	
3	6	1	1				9		2	
27.3%	54.5%	9.1%	9.1%				81.8%		18.2%	Credits %



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. VIII 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		MOOCs									
				Continuous Evaluation			Major Evaluation	Continuous Evaluation	Major Evaluation	Assignment	Exam								
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment													
1.	112542XX	DE	Departmental Elective* (DE-5)	-	-	-	-	-	-	25	75	100	3	-	-	3	Online	MCQ	3 Hrs
2.	112542XX	OC	Open Category Course* (OC-3)	-	-	-	-	-	-	25	75	100	2	-	-	2	Online	MCQ	3 Hrs
3.	11254201	PBL	Industry Internship/ Research Internship/ Innovation & Start-up	-	-	-	-	280	120	-	-	400	-	-	20	10	Experiential	SO	-
4.	11254202	PDC	Professional Development ^{##}	-	-	-	-	-	50	-	-	50	-	-	4	2	Interactive	SO	-
Total				-	-	-	-	280	170	50	150	650	05	-	24	17	-	-	-
Summer Semester of six-eight weeks duration will be conducted to complete any backlog courses.																			
Additional Course for Honours or Minor Degree: Permitted to opt for maximum two additional courses for the award of Honours or Minor Degree																			

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

*Course run through SWAYAM/NPTEL/ MOOC Learning Based Platform

^{##} Evaluation will be based on participation/laurels brought by the students to the institution in national/state level technical and other events during the complete tenure of the UG programme (participation in professional chapter activities, club activities, cultural events, sports, personality development activities, collaborative events, MOOCs, technical events, institute/department committees, etc.)

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

Mode of Learning					Mode of Examination					Total Credits
Theory		Lab			Theory				Lab	
Face to Face	Online	Interactive	Experiential	Experimental	PP	AO	MCQ	OB	SO	
	5	2	10				5		12	
	29.42%	11.76%	58.82%				29.42%		70.58%	Credits %