

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute affiliated to RGPV, Bhopal)

**Scheme of Examination**

**GROUP X: I Semester**

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

**For batches admitted in academic session 2020 – 21 onwards**

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per week			Total Credits	Mode of Teaching (Offline/ Online)	Mode of Exam
				Theory Slot				Practical Slot				L	T	P			
				End Sem.		Mid Sem	Quiz/ Assignment	End Sem	Lab Work & Sessional	Skill Based Mini Project							
				End Term Evaluation	Proficiency in subject /course												
1.	100011	BSC	Engineering Mathematics – I (BSC - 1)	50	10	20	20	-	-	-	100	3	1	-	4	Offline (4/0)	PP
2.	100012	BSC	Engineering Chemistry (BSC - 2)	50	10	20	20	60	20	20	200	2	1	2	4	Blended (2/1)	MCQ
3.	100014	ESC	Engineering Graphics (ESC - 1)	50	10	20	20	-	-	-	100	1	2	-	3	Blended (2/1)	A+O
4.	100015	HSMC	Energy, Environment, Ecology & Society (HSMC - 1)	50	10	20	20	-	-	-	100	3	-	-	3	Online (0/3)	MCQ
5.	100016	HSMC	Technical Language (HSMC - 2)	50	10	20	20	-	-	-	100	3	-	-	3	Blended (2/1)	PP
6.	100017	HSMC	Language Lab (HSMC - 3)	-	-	-	-	60	20	20	100	-	-	2	1	Offline (1/0)	SO
7.	100018	ESC	Engineering Graphics Lab (ESC - 2)	-	-	-	-	60	20	20	100	-	-	2	1	Offline (1/0)	SO
<b>Total</b>				<b>250</b>	<b>50</b>	<b>100</b>	<b>100</b>	<b>180</b>	<b>60</b>	<b>60</b>	<b>800</b>	<b>12</b>	<b>4</b>	<b>6</b>	<b>19</b>	-	-

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.

**GROUP X: (Civil, Mechanical, Electrical and Automobile)**

**GROUP Y: (Electronics, Computer Science & Engineering, Information Technology, Electronics & Telecommunication, Chemical) 01 Theory**

Period = 1 Credit; 02 Practical Periods = 1 Credit

MCQ – Multiple Choice Questions, PP – Pen paper Mode, A+O – Assignment + Oral, SO – Submission + Oral, CLC: College Level Course

Mode of Teaching				Mode of Examination				Total Credits	
Theory		Lab		Theory			Lab		
Offline	Online	Blended		Offline	PP	A+O	MCQ		SO
		Offline	Online						
4	3	6	3	3	7	3	6	3	19
21%	16%	31%	16%	16%	37%	16%	31%	16%	Credits %

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**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
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**Scheme of Examination**  
**GROUP X: II Semester**

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

**For batches admitted in academic session 2020 – 21 onwards**

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per week			Total Credits	Mode of Teaching (Offline/ Online)	Mode of Exam
				Theory Slot				Practical Slot				L	T	P			
				End Term Evaluation		Continuous Evaluation		End Sem Exam	Continuous Evaluation								
				End Sem Exam	Proficiency in subject /course	Mid Sem Exam	Quiz/ Assignment		Lab Work & Sessional	Skill Based Mini Project							
1.	110211	DC	Building Planning & Design (DC - 1)	50	10	20	20	-	-	-	100	3	-	-	3	Blended (2/1)	PP
2.	100020	ESC	Basic Civil Engineering & Mechanics (ESC - 3)	50	10	20	20	-	-	-	100	2	1	-	3	Blended (2/1)	PP
3.	100021	ESC	Basic Mechanical Engineering (ESC - 4)	50	10	20	20	-	-	-	100	2	1	-	3	Blended (2/1)	MCQ
4.	100022	ESC	Basic Electrical & Electronics Engineering (ESC - 5)	50	10	20	20	60	20	20	200	2	1	2	4	Blended (2/1)	MCQ
5.	100023	ESC	Basic Computer Engineering (ESC - 6)	50	10	20	20	60	20	20	200	2	1	2	4	Blended (2/1)	A+O
6.	100024	ESC	Manufacturing Practices (ESC - 7)	-	-	-	-	60	20	20	100	-	-	2	1	Offline (1/0)	SO
7.	100026	ESC	Basic Civil Engineering Lab (ESC - 8)	-	-	-	-	60	20	20	100	-	-	2	1	Offline (1/0)	SO
<b>Total</b>				<b>250</b>	<b>50</b>	<b>100</b>	<b>100</b>	<b>240</b>	<b>80</b>	<b>80</b>	<b>900</b>	<b>11</b>	<b>4</b>	<b>8</b>	<b>19</b>	-	-
8.		NAAC	Engineering Physics Modules V & VI	50	10	20	20	-	-	-	100	2	-	-	Grade	Online	MCQ

**Summer Internship Project – I (Institute Level) (Qualifier): Minimum two-week duration: Evaluation in III Semester.**

Mode of Teaching				Mode of Examination				
Theory		Blended		Lab	Theory			Lab
Offline	Online	Offline	Online	Offline	PP	A+O	MCQ	SO
-	-	10	5	4	6	3	6	4
19								

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GWALIOR

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**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
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**Scheme of Examination**  
**B.Tech. III Semester (Civil Engineering)**

**For batches admitted in academic session 2020 – 21 onwards**

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per week			Total Credits	Mode of Teaching (Offline/ Online)	Mode of Exam
				Theory Slot				Practical Slot				L	T	P			
				End Term Evaluation		Continuous Evaluation		End Sem Exam	Continuous Evaluation								
				End Sem Exam	Proficiency in subject /course	Mid Sem Exam	Quiz/ Assignment		Lab Work & Sessional	Skill Based Mini Project							
1.	100025	BSC	Engineering Mathematics – II (BSC - 3)	50	10	20	20	-	-	-	100	2	1	-	3	Offline (3/0)	PP
2.	110311	DC	Building Materials & Construction (DC - 2)	50	10	20	20	60	20	20	200	2	1	2	4	Blended (2/1)	PP
3.	110312	DC	Fluid Mechanics - I (DC - 3)	50	10	20	20	60	20	20	200	2	1	2	4	Blended (2/1)	PP
4.	110313	DC	Surveying (DC - 4)	50	10	20	20	-	-	-	100	2	1	-	3	Blended (2/1)	PP
5.	110314	DC	Strength of Materials (DC - 5)	50	10	20	20	60	20	20	200	2	1	2	4	Blended (2/1)	PP
6.	110315	DLC	Survey Practice Lab (DLC - 1)	-	-	-	-	60	20	20	100	-	-	2	1	Offline (1/0)	SO
7.	110316	DLC	Self-learning /Presentation (SWAYAM/NPTEL/MOOC)	-	-	-	-	-	40	-	40	-	-	2	1	Online + Mentoring	SO
8.	200XXX	CE	Novel Engaging Courses	-	-	-	-	50	-	-	50	-	-	2	1	Interactive	SO
9.	110317	DLC	Summer Internship Project-I (Institutional based Evaluation)	-	-	-	-	60	-	-	60	-	-	4	2	Offline (2/0)	SO
<b>Total</b>				<b>250</b>	<b>50</b>	<b>100</b>	<b>100</b>	<b>350</b>	<b>120</b>	<b>80</b>	<b>1050</b>	<b>11</b>	<b>4</b>	<b>16</b>	<b>23</b>	-	-
10.	1000001	MAA	Indian Constitution & Constitutional Knowledge (Mandatory V.C. @)	50	10	20	20	-	-	-	100	2	-	-	Grade	Online	MCQ

Compulsory registration for online course using SWAYAM/NPTEL/MOOC, evaluation of 20% attendance, assignments and presentation.  
 \*Proficiency in course/subject – includes the weightage towards ability/skill/competence/knowledge level/expertise attained/attendance etc. in that particular course/subject.  
 †The evaluation of subject will be based on marks only by examination. ††

Mode of Teaching						Mode of Examination						
Theory				Lab/SIP	SEMINAR	NEC	Theory			Lab	SIP/SLP/NEC	
Offline	Online	Blended	Offline	Offline	Online Mentoring	Interactive	PP	A+O	MCQ	SO	SO	
		Offline	Online									
3	-	8	4	6	1		15	-	-	4	4	23

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# MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute affiliated to RGPV, Bhopal)

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 GWALIOR

## Scheme of Examination B.Tech. IV Semester (Civil Engineering)

For batches admitted in academic session 2020 – 21 onwards

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per week			Total Credits	Mode of Teaching (Offline/ Online)	Mode of Exam
				Theory Slot				Practical Slot				L	T	P			
				End Term Evaluation		Continuous Evaluation		End Sem Exam	Continuous Evaluation								
				End Sem Exam	Proficiency in subject /course	Mid Sem Exam	Quiz/ Assignment		Lab Work & Sessional	Skill Based Mini Project							
1.	100022	BSC	Engineering Mathematics – III (BSC – 4)	50	10	20	20	-	-	-	100	2	1	-	3	Offline (3/0)	PP
2.	110411	DC	Geotechnical Engineering – I (DC – 6)	50	10	20	20	60	20	20	200	2	1	2	4	Blended (2/1)	MCQ
3.	110412	DC	Theory of Structure-I (DC – 7)	50	10	20	20	-	-	-	100	2	1	-	3	Offline (3/0)	PP
4.	110413	DC	Transportation Engineering (DC – 8)	50	10	20	20	60	20	20	200	2	1	2	4	Blended (2/1)	MCQ
5.	110414	DC	Water Resources Engineering (DC – 9)	50	10	20	20	-	-	-	100	2	1	-	3	Blended (2/1)	PP
6.	110415	DLC	Civil Drawing Lab (DLC – 2)	-	-	-	-	60	20	20	100	-	-	2	1	Offline (1/0)	SO
7.	100009	MC	Cyber Security	50	10	20	20	-	-	-	100	2	-	-	2	Online (0/3)	MCQ
8.	200XXX	CIC	Novel Engaging Course <sup>1</sup>	-	-	-	-	50	-	-	50	-	-	2	1	Interactive	SO
<b>Total</b>				<b>300</b>	<b>60</b>	<b>120</b>	<b>120</b>	<b>230</b>	<b>60</b>	<b>60</b>	<b>950</b>	<b>12</b>	<b>5</b>	<b>8</b>	<b>21</b>	-	-
9.	1000002	MAC	Biology for Engineers (Mandatory MAC)	50	10	20	20	-	-	-	100	2	-	-	Grade	Online	MCQ

**Summer Internship Project-II (Soft skills Based) for two weeks duration: Evaluation in V Semester**

Proficiency in course subject – includes the weightage towards ability/ skill/ competence /knowledge level/ expertise attained /attendance etc. in that particular course subject  
 The certificate on marksheet will be issued separately by examination cell

Mode of Teaching				Mode of Examination						Total Credits	
Theory		Lab	NEC	Theory			Lab	NEC			
Offline	Online			Blended	PP	A+O			MCQ		SO
		Offline	Online	Offline	Interactive						
6	2	6	3	3	1	18	-	3	3	1	21
29%	10%	29%	14%	14%	4%	68%	-	14%	14%	4%	Credits %

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# MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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## DEPARTMENT OF CIVIL ENGINEERING

### Scheme of Evaluation

#### B. Tech. V Semester (Civil Engineering)

**For batches admitted in academic session 2020 – 21 onwards**

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per week			Total Credits	Mode of Teaching (Offline/Online)	Mode of Exam
				Theory Slot				Practical Slot				L	T	P			
				End Term Evaluation		Continuous Evaluation		End Sem Exam	Continuous Evaluation								
				End Sem Exam	Proficiency in subject /course	Mid Sem	Quiz/Assignment		Lab Work & Sessional	Skill Based Mini Project							
1.	110520	MC	Data Science	50	10	20	20	60	20	20	200	3	0	2	4	Blended (2/1)	MCQ
2.	110511	DC	Water Supply Engineering (DC - 10)	50	10	20	20	60	20	20	200	2	1	2	4	Blended (2/1)	PP
3.	110512	DC	Theory of Structure – II (DC - 11)	50	10	20	20	-	-	-	100	2	1	-	3	Blended (2/1)	PP
4.	110513	DC	Structural Design & Drawing (RCC) (DC - 12)	50	10	20	20	-	-	-	100	2	1	-	3	Blended (2/1)	PP
5.	110514	DC	Fluid Mechanics – II (DC - 13)	50	10	20	20	-	-	-	100	2	1	-	3	Blended (2/1)	PP
6.	110515	DLC	Minor Project – I (DLC - 3) <sup>1</sup>	-	-	-	-	60	40	-	100	-	-	4	2	Offline (2/0)	SO
7.	110516	DLC	Self-learning /Presentation (SWAYAM/NPTEL/MOOC) <sup>2</sup>	-	-	-	-	-	40	-	40	-	-	2	1	Online + Mentoring	SO
8.	200XXX	A+O	Novel Engaging Course (Informal Exam) <sup>3</sup>	-	-	-	-	50	-	-	50	-	-	2	1	Interactive	SO
9.	110517	DLC	Summer Internship Project-II (Institute Based Evaluation)	-	-	-	-	60	-	-	60	-	-	4	2	Offline (2/0)	SO
<b>Total</b>				<b>250</b>	<b>50</b>	<b>100</b>	<b>100</b>	<b>290</b>	<b>120</b>	<b>40</b>	<b>950</b>	<b>11</b>	<b>4</b>	<b>16</b>	<b>23</b>	-	-
10.	1000006	MAO	Disaster Management	50	10	20	20	-	-	-	100	2	-	-	Grade	Online	MCQ
11.	1000005	MAO	Project Management & Financing	50	10	20	20	-	-	-	100	2	-	-	Grade	Online	MCQ
<b>Additional Courses for obtaining Honours or Minor Specialization</b>				<b>Permitted to opt for maximum 02 additional courses for the award of Honours or Minor Specialization</b>													

<sup>1</sup> compulsory registration for one online course using SWAYAM/NPTEL/MOOC, evaluation through attendance, assignments and presentation

<sup>2</sup> Proficiency in course subject includes the weightage towards ability, skill, competence, knowledge level, expertise attained, attendance, etc. in that particular course subject

MCQ – Multiple Choice Questions, PP – Pen paper Mode, A+O – Assignment + Oral, SO – Submission + Oral

<sup>3</sup> The Minor Project-I may be evaluated by an internal committee for awarding sessional marks

Mode of Teaching						Mode of Examination						Total Credits
Theory		Blended	Lab	Seminar	NEC	Theory			Lab	SIP/SLP/NEC		
Offline	Online					Offline	Online	Interactive			PP	
-	-	10	5	6	1	1	12	-	3	4	4	23
		43%	22%	27%	4%	4%	52%	-	14%	17%	17%	Credits %

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Civil Engineering Department, MITS Gwalior

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**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
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**DEPARTMENT OF CIVIL ENGINEERING**  
**Scheme of Evaluation**

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

**For batches admitted in academic session 2020 – 21 onwards**

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted									Total Marks	Contact Hours per week			Total Credits	Mode of Teaching (Offline/ Online)	Mode of Exam
				Theory Slot				Practical Slot			MOOCS			L	T	P			
				End Sem.		Mid Sem	Quiz/ Assignment	End Sem	Lab Work & Sessional	Skill Based Mini Project	Assignment	Exam							
				End Term Evaluation	<sup>5</sup> Proficiency in subject /course														
1.	110620	MC	Artificial Intelligence & Machine Learning	50	10	20	20	60	20	20	-	-	200	3	-	2	4	Blended (2/1)	MCQ
2.	110621	DC	Wastewater Engineering(DC - 14)	50	10	20	20	-	-	-	-	-	100	2	1	-	3	Blended (2/1)	PP
3.	110622	DC	Structural Design & Drawing (Steel) (DC - 15)	50	10	20	20	-	-	-	-	-	100	2	1	-	3	Blended (2/1)	PP
4.	110623	DC	Estimating Costing & Contracting (DC - 16)	50	10	20	20	-	-	-	-	-	100	2	1	-	3	Blended (2/1)	PP
5.	1106XX	DE	Departmental Elective - I (DE - 1)*	-	-	-	-	-	-	-	25	75	100	3	-	-	3	Online (0/3)	MCQ
6.	910XXX	OC	Open Category Course – I (OC - 1)	50	10	20	20	-	-	-	-	-	100	3	-	-	3	Blended (2/1)	PP
7.	110624	DLC	Minor Project - II (DLC – 4)	-	-	-	-	60	40	-	-	-	100	-	-	4	2	Offline (2/0)	SO
8.	200XXX	CLC	Novel Engaging Course (Informal Learning)	-	-	-	-	50	-	-	-	-	50	-	-	2	1	Interactive	SO
<b>Total</b>				<b>250</b>	<b>50</b>	<b>100</b>	<b>100</b>	<b>170</b>	<b>60</b>	<b>20</b>	<b>25</b>	<b>75</b>	<b>850</b>	<b>15</b>	<b>3</b>	<b>8</b>	<b>22</b>	-	-
9.	1000007	MAC	Intellectual Property Rights	50	10	20	20	-	-	-	-	-	100	2	-	-	Grade	Online	MCQ
Additional Courses for obtaining Honours or Minor Specialization				Permitted to opt for <u>maximum 02 additional courses</u> for the award of Honours or Minor Specialization															
<b>Summer Internship Project – III (On Job Training) for four weeks duration: Evaluation in VII Semester</b>																			

<sup>5</sup>Proficiency in course/subject – includes the weightage towards ability/ skill/ competence /knowledge level /expertise attained /attendance etc. in that particular course/subject

MCQ – Multiple Choice Questions, PP – Pen paper Mode, A+O – Assignment + Oral, SO – Submission + Oral

\*Course will run through SWAYAM/NPTEL/MOOC with credit transfer

Mode of Teaching					Mode of Examination							Total Credits
Theory		Blended	Lab	MOOC	NEC	Theory			Lab	SIP/SLP/NEC		
Offline	Online					Offline	Interactive	PP			A+O	
Offline	Online	Offline	Online	Offline	Interactive	PP	A+O	MCQ	SO	SO		
-	-	10	5	3	3	1	12	-	6	3	1	22
-	-	46%	23%	13%	13%	5%	55%	-	27%	13%	5%	Credits %

**Departmental Elective I (SWAYAM/NPTEL) (DE-1)**

- 110661, Geotechnical Engineering II – Foundation Engineering
- 110662, Concrete Technology
- 110663, Air Pollution & Control
- 110664, Nature and Properties of Materials -

**Open Category Course – I (OC-1)**

- 910111, Building Maintenance & Services
- 910110, Sustainable Materials & Green Buildings

Civil Engineering Department, MITS Gwalior

DEAN (ACADEMICS)  
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**Scheme of Evaluation**  
**B. Tech. VII Semester (Civil Engineering)**

**For batches admitted in academic session 2020 – 21 onwards**

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted									Total Marks	Contact Hours per week			Total Credits	Mode of Teaching (Offline/ Online)	Mode of Exam
				Theory Slot				Practical Slot			MOOCS			L	T	P			
				End Sem.		Mid Sem	Quiz/ Assignment	End Sem	Lab Work & Sessional	Skill Based Mini Project	Assignment	Exam							
				End Term Evaluation	<sup>S</sup> Proficiency in subject /course														
1.	1107XX	DE	Departmental Elective - II (DE - 2)	50	10	20	20	-	-	-	-	-	100	3	-	-	3	Blended (2/1)	PP
2.	1107XX	DE	Departmental Elective - III (DE - 3)*	-	-	-	-	-	-	-	25	75	100	3	-	-	3	Online (0/3)	MCQ
3.	1107XX	DE	Departmental Elective - IV (DE - 4)*	-	-	-	-	-	-	-	25	75	100	3	-	-	3	Online (0/3)	MCQ
4.	910XXX	OC	Open Category Course – II (OC - 2)	50	10	20	20	-	-	-	-	-	100	3	-	-	3	Blended (2/1)	PP
5.	110716	DLC	Software Application for Solving Civil Engineering Problem (DLC – 5)	-	-	-	-	60	20	20	-	-	100	-	-	2	1	Offline (2/0)	SO
6.	110717	DLC	Creative Problem Solving (DLC – 6)	-	-	-	-	25	25	-	-	-	50	-	-	2	1	Offline (2/0)	SO
7.	110718	DLC	Summer Internship project – III (Evaluation)	-	-	-	-	60	-	-	-	-	60	-	-	4	2	Interactive	SO
<b>Total</b>				<b>100</b>	<b>20</b>	<b>40</b>	<b>40</b>	<b>145</b>	<b>45</b>	<b>20</b>	<b>50</b>	<b>150</b>	<b>610</b>	<b>12</b>	<b>-</b>	<b>8</b>	<b>16</b>	<b>-</b>	<b>-</b>
8.	1000008	MAC	Universal Human Values & Professional Ethics	50	10	20	20	-	-	-	-	-	100	2	-	-	Grade	Online	MCQ

Additional Courses for obtaining Honours or Minor Specialization

Permitted to opt for maximum 02 additional courses for the award of Honours or Minor Specialization

<sup>S</sup>Proficiency in course/subject – includes the weightage towards ability/ skill/ competence /knowledge level /expertise attained /attendance etc. in that particular course/subject

MCQ – Multiple Choice Questions, PP – Pen paper Mode, A+O – Assignment + Oral, SO – Submission + Oral

\*Course will run through SWAYAM/NPTEL/MOOC with credit transfer

Mode of Teaching					Mode of Examination							Total Credits
Theory		Blended	Lab	MOOC	SIP	Theory			Lab	SIP/SLP/NEC		
Offline	Online					Offline	Online Mentoring	Interactive			PP	
-	-	4	2	2	6	2	6	-	6	2	2	
-	-	25%	13%	13%	36%	13%	36%	-	36%	13%	13%	Credits %

DE – 2	DE – 3 (Through SWAYAM/NPTEL)	DE – 4 (Through SWAYAM/ NPTEL)	OC – 2
110731. Hydraulic Structure	110761. Municipal Solid Waste Management	110764. Introduction to Multimodal Urban Transportation Systems	910211 Integrated Waste Management for Smart City
110732. Advanced Structural Design (RCC)	110762. Availability and Management of Groundwater Resources	110765. Foundation Engineering	910212 Safety & Quality Management
110733. Railway, Airport & Tunnel Engineering	110763. Principles of Construction Management	110766. Remote Sensing & GIS	

Civil Engineering Department, MITS Gwalior

# MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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## Scheme of Evaluation

### B. Tech. VIII Semester (Civil Engineering)

**For batches admitted in academic session 2020 – 21**

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted									Total Marks	Contact Hours per week			Total Credits	Mode of Teaching (Offline/Online)	Mode of Exam	
				Theory Slot				Practical Slot			MOOCs			L	T	P				
				End Sem.		Mid Sem	Quiz/Assignment	End Sem	Lab Work & Sessional	Skill Based Mini Project	Assignment	Exam								
				End Term Evaluation	<sup>5</sup> Proficiency in subject /course															
1.	1108XX	DE	Departmental Elective - V (DE - 5)*	-	-	-	-	-	-	-	-	25	75	100	3	-	-	3	Online (0/3)	MCQ
2.	910XXX	OC	Open Category Course – III (OC - 3)*	-	-	-	-	-	-	-	-	25	75	100	3	-	-	3	Online (0/3)	MCQ
3.	110821	DLC	Internship / Research Project / Innovation & Start-up *** (DLC - 7)	-	-	-	-	250	150	-	-	-	-	400	-	-	18	9	Interactive	SO
4.	110822	PD	Professional Development@	-	-	-	-	50	-	-	-	-	-	50	-	-	4	2	Interactive	SO
<b>Total</b>				-	-	-	-	<b>300</b>	<b>150</b>	-	-	<b>50</b>	<b>150</b>	<b>650</b>	<b>6</b>	<b>-</b>	<b>22</b>	<b>17</b>	-	-
<b>Additional Courses for obtaining Honours or Minor Specialization</b>				<b>Permitted to opt for maximum 02 additional courses for the award of Honours or Minor Specialization</b>																

<sup>5</sup>Proficiency in course/subject – includes the weightage towards ability/ skill/ competence /knowledge level /expertise attained /attendance etc. in that particular course/subject  
 MCQ – Multiple Choice Questions, PP – Pen paper Mode, A+O – Assignment + Oral, SO – Submission + Oral

\*Course will run through SWAYAM/NPTEL/MOOC with credit transfer

@ 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 program (participation in professional chapter activities, club activities, cultural events, sports, and personality development activities, collaborative events, MOOCs and technical events)

\*\*\* Innovation & Start-up: Only for the students who have opted relevant Novel Engaging Courses (NEC); Innovation: From Creativity to Entrepreneurship (Part 1-Idea

Generation). Innovation: From Creativity to Entrepreneurship (Part 2-Technology, Science, Innovation, and Society), Introduction to Entrepreneurship: Challenges and Opportunities, and Start-up: How to start, survey, Financial, Legal, Pitching and Funding

Mode of Teaching				Mode of Examination								Total Credits
Theory		Blended		SIP/Project	MOOC	PDC	Theory			SIP/Project	PDC	
Offline	Online	Offline	Online				Offline	Online Mentoring	Interactive			
-	-	-	-	9	6	2	-	-	6	9	2	17
-	-	-	-	53%	35%	12%	-	-	35%	53%	12%	Credits %

SEMESTER – VIII	
DE – 5 (Through SWAYAM/NPTEL)	OC – 3 (Through SWAYAM/NPTEL)
110861. Introduction to Civil Engineering Profession	910301 Natural Hazards
110862. Plastic Waste Management	910302 Strategies for Sustainable Design
110863. Expansive Soil	910303 Plastic Waste Management
	910304 Project Management

Corrected scheme