



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

Department of Civil Engineering
Scheme of Evaluation
B. Tech. I Semester CIVIL ENGINEERING

(for batch admitted in academic session 2023-24)

No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per week			Total Credits	Mode of Teaching	Mode of Exam.	Duration 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.	3100011	BSC	Engineering Mathematics – I (BSC - 1)	50	10	20	20	-	-	-	100	3	1	-	4	Offline	PP	2 Hrs
2.	3110121	ESC	Computer Programming (ESC - 1)	50	10	20	20	40	30	30	200	2	1	2	4	Blended	AO	2 Hrs
3.	3100014	ESC	Engineering Graphics (ESC - 2)	50	10	20	20	-	-	-	100	1	2	-	3	Offline	AO	2 Hrs
4.	3110122	DC	Building Materials & Construction (DC - 1)	50	10	20	20	40	30	30	200	3	-	2	4	Blended	PP	2 Hrs
5.	3110123	DC	Engineering Mechanics (DC - 2)	50	10	20	20	-	-	-	100	3	-	-	3	Blended	PP	2 Hrs
6.	3100018	ESC	Engineering Graphics Lab (ESC - 3)	-	-	-	-	40	30	30	100	-	-	2	1	Offline	SO	-
Total				250	50	100	100	120	90	90	800	12	4	6	19			
7.	3000003	Natural Sciences & Skills	Environmental Engineering	50	10	20	20	-	-	-	100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs

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.

^SProficiency in course/subject – includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in that particular course/subject
Natural Sciences & Skills: Engineering Physics / Engineering Chemistry / Environmental Engineering / Language. Credits of natural Sciences & Skills will be added in VI Semester.

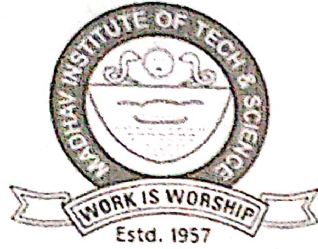
MCQ: Multiple Choice Question AO: Assignment + Oral OB: Open Book PP: Pen Paper SO: Submission + Oral

Mode of Teaching				Mode of Examination				Total Credits
Theory		Lab		Theory		Lab		
Offline	Online	Blended	Offline	PP	AO	MCQ	SO	
7		9	3	10	6		3	19
37%		49%	16%	51%	33%		16%	Credits %

M. K. Mehta

Dr. P. K. Singh *Suman* *[Signature]*

Civil Engineering Department, MITS Gwalior



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous Institute Affiliated to RGPV, Bhopal)

NAAC Accredited with A++ Grade

Department of Civil Engineering

Scheme of Evaluation

B. Tech. II Semester (CIVIL ENGINEERING)

(for batch admitted in academic session 2023-24)

No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per week			Total Credits	Mode of Teaching	Mode of Exam.	Duration 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.	3110221	DC	Surveying (DC - 3)	50	10	20	20	-	-	-	100	3	-	-	3	Blended	PP	2 Hrs
2.	3110222	DC	Strength of Materials (DC - 4)	50	10	20	20	40	30	30	200	2	1	2	4	Blended	PP	2 Hrs
3.	3100021	ESC	Basic Mechanical Engineering (ESC - 4)	50	10	20	20	-	-	-	100	2	1	-	3	Blended	MCQ	1.5 Hrs
4.	3100022	ESC	Basic Electrical & Electronics Engineering (ESC - 5)	50	10	20	20	40	30	30	200	2	1	2	4	Blended	MCQ	1.5 Hrs
5.	3110224	ESC	Python Programming (ESC - 6)	50	10	20	20	40	30	30	200	2	1	2	4	Blended	AO	2 Hrs
6.	3110223	DLC	Survey Practice Lab (DLC - 2)	-	-	-	-	40	30	30	100	-	-	2	1	Offline	SO	-
Total				250	50	100	100	160	120	120	900	11	4	8	19	-	-	-
7.	3000004	Natural Sciences & Skills	Language	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

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

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Natural Sciences & Skills: Engineering Physics / Engineering Chemistry / Environmental Engineering / Language, Credits of natural Sciences & Skills will be added in VI Semester.

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

Mode of Teaching				Mode of Examination				Total Credits
Theory		Lab		Theory		Lab		
Offline	Online	Blended	Offline	PP	AO	MCQ	SO	
		15	4	6	3	6	4	19
		89%	21%	32%	15%	32%	21%	Credits %

Corrected scheme
M. K. Modi

Civil Engineering Department, MITS Gwalior



माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA
 Deemed to be 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. III Semester (CIVIL ENGINEERING)

(for batch admitted in academic session 2023-24)

No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per week			Total Credits	Mode of Teaching	Mode of Exam	Duration 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.	3100025	BSC	Engineering Mathematics - II (BSC -2)	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
2.	3110321	DC	Fluid Mechanics - I (DC - 5)	50	10	20	20	40	30	30	200	2	1	2	4	Blended	PP	2 Hrs
3.	3110322	DC	Theory of Structure - I (DC - 6)	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
4.	3110323	DC	Geotechnical Engineering (DC - 7)	50	10	20	20	40	30	30	200	2	1	2	4	Blended	MCQ	1.5 Hrs
5.	3110324	DC	Transportation Engineering (DC - 8)	50	10	20	20	40	30	30	200	2	1	2	4	Blended	MCQ	1.5 Hrs
6.	3110325	DLC	Self-learning/Presentation (SWAYAM/NPTEL/MOOC)*	-	-	-	-	-	40	-	40	-	-	2	1	Online Mentoring	SO	-
7.	3110326	DLC	Summer Internship Project-I (Institute Level) (Evaluation)	-	-	-	-	60	-	-	60	-	-	4	2	Offline	SO	-
8.	200XXX	CLC	Novel Engaging Course (Informal Learning)	-	-	-	-	50	-	-	50	-	-	2	1	Interactive	SO	-
Total				250	50	100	100	230	130	90	950	10	5	14	22	-	-	-
9.	1000005	MAC	Project Management & Financing	50	10	20	20	-	-	-	100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs
10.	3000001	Natural Sciences & Skills	Engineering Physics	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

*compulsory registration for one online course using SWAYAM/NPTEL/ MOOC, evaluation through attendance, assignments and presentation

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 Natural Sciences & Skills: Engineering Physics / Engineering Chemistry / Environmental Engineering / Language, Credits of natural Sciences & Skills will be added in VI Semester.

NOTE: Under Natural Science & Skills, Lateral Entry Admitted students have to appear for two courses in this semester: Engineering Physics & Environmental Engineering.

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

Mode of Teaching						Mode of Examination					Total Credits
Theory			Lab/SIP	Seminar	NEC	Theory			Lab	SIPS/SP/NEC	
Offline	Online	Blended	Offline	Online Mentoring	Interactive	PP	AO	MCQ	SO	SO	22
		15	5	1	1	9		6	3	4	
		68%	23%	4.5%	4.5%	41%		27%	13%	19%	Credits %

Signature
19/6/2024

Civil Engineering Department, MITS Gwalior

Signature
19/06/2024