



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 *Dr. S. K. Singh* *Dr. R. K. Singh*

Civil Engineering Department, MITS Gwalior



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 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	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	200	2	1	2	4	Blended	MCQ	1.5 Hrs	
5.	3110324	DC	Transportation Engineering (DC - 8)	50	10	20	20	40	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	AO	-	
7.	3110326	DLC	Summer Internship Project - I (Institute Level) (Evaluation)	-	-	-	-	60	-	60	-	-	4	2	Online	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	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs	

skill

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

⁵Proficiency 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.

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 O.B: Open Book PP: Pen Paper SO: Submission + Oral

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

Civil Engineering Department, MITS Gwalior

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 Faculty of Engineering & Technology
 MITS-DU

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 Faculty of Engineering & Technology
 MITS-DU



MITS Gwalior
(Deemed to be University)
NAAC Accredited with A++ Grade
Department of Civil Engineering



Scheme of Evaluation
B. Tech. IV Semester (Civil Engineering)

For batches admitted in academic session 2023-24

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	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.	3100028	BSC	Engineering Mathematics – III (BSC-3)	50	10	20	20	-	-	-	100	3	1	-	4	Offline	PP	2 Hr.
2.	3110421	DC	Fluid Mechanics - II (DC - 9)	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hr.
3.	3110422	DC	Theory of Structure - II (DC -10)	50	10	20	20	-	-	-	100	2	1	-	3	Offline	PP	2 Hr.
4.	3110423	DC	Water Supply Engineering (DC - 11)	50	10	20	20	40	30	30	200	2	1	2	4	Blended	PP	2 Hr.
5.	3110424	DC	Water Resources Engineering (DC - 12)	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hr.
6.	3110425	DLC	Civil Drawing Lab (DLC - 3)	-	-	-	-	40	30	30	100	-	-	2	1	Offline	SO	-
7.	3110426	MC	Cyber Security	50	10	20	20	-	-	-	100	2	-	-	2	Online	MCQ	1.5 hr.
8.	200XXX	CLC	Novel Engaging Course (Informal Learning)	-	-	-	-	50	-	-	50	-	-	2	1	Interactive	SO	-
Total				300	60	120	120	130	60	60	850	13	5	6	21	-	-	-
9.	3000002	Natural Science & Skills	Engineering Chemistry	50	10	20	20	30	10	10	150	1	-	2	Grade	Blended	MCQ	1.5 hrs
10.	1000001	MAC	Indian Constitution & Traditional Knowledge	50	10	20	20	-	-	-	100	2	-	-	Grade	Online	MCQ	1.5 hrs

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

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

**Natural Sciences & Skills: Engineering Physics / Engineering Chemistry / Environmental Science/ Language

(**Natural Sciences & Skills" treated as Mandatory Audit Courses from first to fourth semester and cumulative marks converted as a cluster of credits and awarded in the VI semester)

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

Mode of Teaching					Mode of Examination					Total Credits
Theory		Blended	Lab	NEC	Theory			Lab	NEC	
Offline	Online		Offline	Interactive	PP	A+O	MCQ	SO	SO	
7	2	9	2	1	16	-	2	2	1	21
33%	9%	43%	9%	5%	76%	-	9%	9%	5%	Credits %