

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 2022-23)

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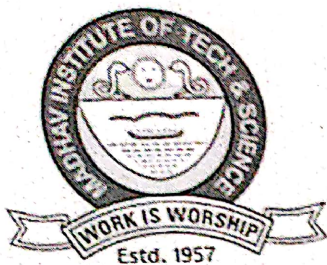
^sProficiency in course/subject – includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in that particular course/subject
Natural Sciences & Skills: Engineering Physics / Engineering Chemistry / Environmental Engineering / Language, Credits of natural Sciences & 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 %

MLC
02/08/2023
DEAN (ACADEMICS)
MLTS
GWALIOR

Civil Engineering Department, MITS Gwalior



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. II Semester CIVIL ENGINEERING

(for batch admitted in academic session 2022-23)

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										
				End Term Evaluation		Continuous Evaluation		End Sem. Exam	Continuous Evaluation									
									Lab Work & Sessional	Skill Based Mini Project								
End Sem. Exam	Proficiency in subject /course	Mid Sem. Exam.	Quiz/ Assignment				L	T	P									
1.	2110221	DC	Surveying (DC - 3)	50	10	20	20	-	-	-	100	3	-	-	3	Blended	PP	2 Hrs
2.	2110222	DC	Strength of Materials (DC - 4)	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
3.	2100021	ESC	Basic Mechanical Engineering (ESC - 4)	50	10	20	20	-	-	-	100	2	1	-	3	Blended	MCQ	1.5 Hrs
4.	2100022	ESC	Basic Electrical & Electronics Engineering (ESC - 5)	50	10	20	20	60	20	20	200	2	1	2	4	Blended	MCQ	1.5 Hrs
5.	2160222	ESC	Python Programming (ESC - 6)	50	10	20	20	60	20	20	200	2	1	2	4	Blended	AO	2 Hrs
6.	2110223	DLC	Survey Practice Lab (DLC - 2)	-	-	-	-	60	20	20	100	-	-	2	1	Offline	SO	-
Total				250	50	100	100	180	60	80	800	13	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.

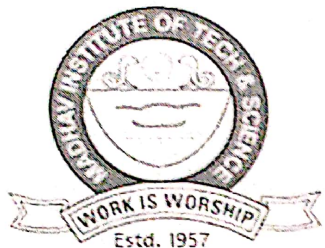
Summer Internship Project – I (Institute Level) (Qualifier): Minimum two-week duration: Evaluation in III Semester.

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.

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	
		89%	21%	32%	15%	32%	21%	Credits %

Civil Engineering Department, MITS Gwalior



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. III Semester *CIVIL ENGINEERING*

(for batch admitted in academic session 2022-23)

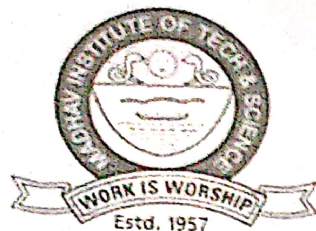
No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per week			Total Credits	Mode of Teaching	Mode of Exam	Duration of Exam
				Theory Slot				Practical Slot										
				End Term Evaluation		Continuous Evaluation		End Sem. Exam	Continuous Evaluation									
				End Sem. Exam	Proficiency in subject /course	Mid Sem. Exam.	Quiz/ Assignment		Lab Work & Sessional	Skill Based Mini Project								
L	T	P																
1.	2100025	BSC	Engineering Mathematics - II (BSC - 2)	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
2.	2110321	DC	Fluid Mechanics - I (DC - 5)	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
3.	2110322	DC	Theory of Structure – I (DC - 6)	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
4.	2110323	DC	Geotechnical Engineering (DC - 7)	50	10	20	20	60	20	20	200	2	1	2	4	Blended	MCQ	1.5 Hrs
5.	2110324	DC	Transportation Engineering (DC - 8)	50	10	20	20	60	20	20	200	2	1	2	4	Blended	MCQ	1.5 Hrs
6.	2110325	DLC	Self-learning/Presentation (SWAYAM/NPTEL/MOOC)*	-	-	-	-	-	40	-	40	-	-	2	1	Online + Mentoring	SO	-
7.	2110326	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	290	100	60	950	10	5	14	22	-	-	-
9.	3000001	Natural Sciences & Skills	Engineering Physics	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs
10.	1000005	MAC	Project Management & Financing	50	10	20	20	-	-	-	100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs

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

^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/SIP	Seminar	NEC	Theory			Lab	SIP/SLP/NEC	
Offline	Online	Blended	Offline	Online Mentoring	Interactive	PP	AO	MCQ	SO	SO	
		15	5	1	1	9		6	3	4	
		68%	22%	5%	5%	41%		27%	13%	19%	22
											Credits %

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. IV Semester **CIVIL ENGINEERING**

(for batch admitted in academic session 2022-23)

(for batch admitted in academic session 2022-23)																		
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										
				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							
L	T	P																
1.	2100028	BSC	Engineering Mathematics - III (BSC - 4)	50	10	20	20	-	-	-	100	3	1	-	4	Offline	PP	2 Hrs
2.	2110421	DC	Fluid Mechanics - II (DC - 9)	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
3.	2110422	DC	Theory of Structure – II (DC - 10)	50	10	20	20	-	-	-	100	2	1	-	3	Offline	PP	2 Hrs
4.	2110423	DC	Water Supply Engineering (DC - 11)	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
5.	2110424	DC	Water Resources Engineering (DC - 12)	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
6.	2110425	DLC	Civil Drawing Lab (DLC – 3)	-	-	-	-	60	20	20	100	-	-	2	1	Offline	SO	-
7.	2110426	MC	Cyber Security	50	10	20	20	-	-	-	100	2	-	-	2	Online	MCQ	1.5 Hrs
8.	200XXX	CLC	Novel Engaging Course (Informal Learning)	-	-	-	-	50	-	-	50	-	-	2	1	Interactive	SO	-
Total				300	60	120	120	170	40	40	850	13	5	6	21	-	-	-
9.	3000002	Natural Sciences & 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

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.

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	SIP/SLP/NEC	
Offline	Online	Blended	Offline	Online	Online Mentoring	Interactive	PP	AO	MCQ	SO	SO	
7	2	9	2			1	16		2	2	1	21
33%	9%	43%	9%			6%	76%		9%	9%	6%	Credits %

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Civil Engineering Department, MITS Gwalior

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DEPARTMENT OF CIVIL ENGINEERING

Scheme of Evaluation

B. Tech. V Semester (Civil Engineering)

For batch admitted in academic session 2022-23

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									
				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.	2110520	MC	Data Science	50	10	20	20	60	20	20	200	3	0	2	4	Blended	MCQ
2.	2110511	DC	Wastewater Engineering (DC - 10)	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP
3.	2110512	DC	Estimating Costing & Contracting (DC - 11)	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP
4.	2110513	DC	Structural Design & Drawing (RCC) (DC - 12)	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP
5.	2110514	DC	Railway, Airport and Tunnel Engineering (DC - 13)	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP
6.	2110515	DLC	Minor Project – I (DLC – 3)**	-	-	-	-	60	40	-	100	-	-	4	2	Offline	SO
7.	2110516	DLC	Self-learning/Presentation (SWAYAM /NPTEL/ MOOC)*	-	-	-	-	-	40	-	40	-	-	2	1	Online + Mentoring	SO
8.	200XXX	CLC	Novel Engaging Course (Informal Learning)	-	-	-	-	50	-	-	50	-	-	2	1	Interactive	SO
9.	2110517	DLC	Summer Internship Project-II (Institute Level) (Evaluation)	-	-	-	-	60	-	-	60	-	-	4	2	Offline	SO
Total				250	50	100	100	230	100	20	850	11	4	14	22	-	-
10.	1000006	MAC	Disaster Management	50	10	20	20	-	-	-	100	2	-	-	Grade	Blended	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													

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

* compulsory registration for one online course using SWAYAM/NPTEL/MOOC, evaluation through 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

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

** The Minor Project-I may be evaluated by an internal committee for awarding sessional marks.

Mode of Teaching						Mode of Examination					Total Credits
Theory			Lab / SIP		Seminar	Theory			Lab	SIP/SLP/NEC	
Offline	Online	Blended	Offline	Online	Mentoring	PP	A+O	MCQ	SO	SO	
-	-	15	5	1	1	12	-	3	4	3	22
-	-	68%	23%	4.5%	4.5%	54%	-	14%	18%	14%	Credits %

Civil Engineering Department, MITS Gwalior

Dean
15/07/24
16/7/24
MITS-DU

16/7/24
19/6/24



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

For batches admitted in academic session 2022-23

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			MOOCS									
				End Sem.		Mid Sem	Quiz/ Assignment	End Sem	Lab Work & Sessional	Skill Based Mini Project	Assignment	Exam								
				End Term Evaluation	Proficiency in subject /course															
1.	2110620	MC	Artificial Intelligence & Machine Learning	50	10	20	20	60	20	20	-	-	200	3	-	2	4	Blended	MCQ	1.5 Hrs
2.	2110621	DC	Solid & Hazardous Waste management (DC - 14)	50	10	20	20	-	-	-	-	-	100	3	-	-	3	Blended	MCQ	1.5 Hrs
3.	2110622	DC	Structural Design & Drawing (Steel) (DC - 15)	50	10	20	20	-	-	-	-	-	100	3	1	-	4	Blended	PP	2 Hrs
4.	21106XX	DE	Departmental Elective - I (DE - 1)*	-	-	-	-	-	-	-	25	75	100	3	-	-	3	Online	MCQ	3 Hrs
5.	910XXX	OC	Open Category Course – I (OC - 1)	50	10	20	20	-	-	-	-	-	100	3	-	-	3	Blended	PP	2 Hrs
6.	2110623	DLC	Minor Project - II (DLC – 4)	-	-	-	-	60	40	-	-	-	100	-	-	4	2	Offline	SO	-
7.	200XXX	CLC	Novel Engaging Course (Informal Learning)	-	-	-	-	50	-	-	-	-	50	-	-	2	1	Interactive	SO	-
8.		NSS	**Natural Sciences & Skills	200	40	80	80	120	40	40			600	1		2	2*			
Total				400	80	160	160	290	100	60	25	75	1350	15	1	8	22	-	-	
9.	1000007	MAC	Intellectual Property Rights	50	10	20	20	-	-	-	-	-	100	2	-	-	Grade	Online	MCQ	1.5 Hrs
Additional Courses for obtaining Honours or Minor Specialization						Permitted to opt for maximum 02 additional courses for the award of Honours or Minor Specialization														
Summer Internship Project – III (On Job Training) for four weeks duration: Evaluation in VII 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

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

**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)

Mode of Teaching						Mode of Examination					Total Credits
Theory		Lab	MOOC	NEC	Theory			Lab	SIP/SLP/NEC		
Offline	Online	Blended	Offline	Online Mentoring	Interactive	PP	A+O	MCQ	SO	SO	
		13	3	3	1	7	-	9	3	1	22
-	-	65%	15%	15%	5%	35%	-	45%	15%	5%	Credits %

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

- 2110661, Geotechnical Engineering II - Foundation Engineering
- 2110662, Remote Sensing and GIS for Rural Development

Open Category Course - I (OC-1)

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





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

Scheme of Evaluation

B. Tech. VII Semester (Civil Engineering)

(for batch admitted in academic session 2022 – 23)

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted								Total Marks	Contact Hours per week			Total Credits	Mode of Teaching	Mode of Exam	
				Theory Slot				Practical Slot			MOOCs								
				End Term Evaluation		Continuous Evaluation		End Sem. Exam.	Continuous Evaluation		Assignment		Exam						
				End Sem. Exam.	*Proficiency in subject /course	Mid Sem. Exam.	Quiz / Assignment		Lab work & Sessional	Skill Based Mini Project									
1.	21107XX	DE	*Departmental Elective(DE-2)	-	-	-	-	-	-	25	75	100	3	-	-	3	Blended	MCQ	
2.	21107XX	DE	*Departmental Elective (DE-3)	-	-	-	-	-	-	25	75	100	3	-	-	3	Blended	MCQ	
3.	910XXX	OC	#Open Category (OC-2)	50	10	20	20	-	-	-	-	100	3	-	-	3	Blended	MCQ	
4.	2110711	DLC	Software Application for Solving Civil Engineering Problem (DLC-5)	-	-	-	-	60	20	20	-	-	100	-	-	4	2	Offline	SO
5.	2110712	DLC	Creative Problem Solving (DLC-6)	-	-	-	-	25	25	-	-	-	50	-	-	4	2	Offline	SO
6.	2110713	DLC	**Professional Skills & Competencies (DLC-7)	-	-	-	-	40	60	-	-	100	-	-	4	2	Offline	MCQ	
7.	2110714	DLC	Summer Internship Project-III (04 weeks) (Evaluation)	-	-	-	-	60	-	-	-	60	-	-	4	2	Interactive	SO	
Total				50	10	20	20	185	105	20	50	150	610	10	-	16	18		
8.	1000008	MAC	Universal Human Values & Professional Ethics (UHVPE)	50	10	20	20	-	-	-	-	-	100	2	-	-	GRADE	Blended	MCQ

Additional Course for Honours or minor Specialization

Permitted to opt for maximum two additional courses for the award of Honours or Minor specialization

*Proficiency in subject / course – includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained, etc. in that particular course/subject

** Professional Skills & Competencies will include and prepare the students on coding skills, technical proficiency (Industry readiness and higher studies), aptitude, communication & soft skill set, etc.

*Course will run through SWAYAM/NPTEL platform with credit transfer

#Course will run through MITS MOOCs

MCQ: Multiple Choice Question

AO: Assignment + Oral

PP: Pen Paper

SO: Submission + Oral

Mode of Teaching			Mode of Examination				Total Credits
Offline	Blended	Interactive	PP	AO	MCQ	SO	
6	10	2	-	-	12	6	18
33.33%	55.56%	11.11%	-	-	66.67%	33.33%	100 %

DE – 2 (Through SWAYAM/NPTEL)	DE – 3 (Through SWAYAM/ NPTEL)	OC – 2
2110761. Foundation Engineering	2110765. Principles of Construction Management	910211 Integrated Waste Management for Smart City
2110762. Pavement Construction Technology	2110766. Remote Sensing & GIS	910238 Traffic engineering and Design
2110763. Admixtures and Special Concretes	2110767. River Engineering	
2110764. Ground Improvement		
2110768. Transportation Network Analysis		

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MADH
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
 (Deemed to be University)
 NAAC Accredited with A++ Grade
 Department of Civil Engineering



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

(For Batch Admitted in 2022-2023)

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted						Total Marks	Contact Periods per Week			Total Credits	Mode of Teaching	Mode of Exam	
				Theory Slot			Practical Slot		MOOCS								
				End Sem.	Mid Sem.	Quiz / Assignment	End Sem.	Lab Work / Sessional	Assignment		Exam	L	T				P
1.	21108XX	DE	Departmental Elective-IV (DE-4)*	-	-	-	-	-	25	75	100	3	-	-	3	Online	MC Q
2.	910XXX	OC	Open Category Course-III (OC-3)*	-	-	-	-	-	25	75	100	3	-	-	3	Online	MC Q
3.	2110821	DLC	Internship / Project**(DLC-7)	-	-	-	250	150	-	-	400	-	-	20	10	Interactive	SO
4.	2110822	PD	Professional Development [#]	-	-	-	50	-	-	-	50	-	-	4	2	Interactive	SO
Total				-	-	-	300	200	50	150	650	6	-	24	18		
5.	Additional Courses for obtaining Honours or Minor Specialization by desirous students								Permitted to opt for <u>maximum 02 additional courses</u> for the award of Honours or Minor Specialization								

*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 I-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 Examination												Total Credits
Mode of Teaching						Theory			SIP/Projects	PDC		
Theory			Lab	SIP/ Project	MOOC	PDC	PP	A+O	MCQ	SO	SO	
Offline	Online	Blended	Offline	Offline	Online Mentoring	Interactive	-	-	6	10	2	18
-	-	-	-	10	6	2	-	-	33.34%	55.55%	11.11%	Credits %
-	-	-	-	55.55%	33.34%	11.11%	-	-	-	-	-	

DE – 4 (Through SWAYAM/NPTEL)		OC – 3 (Through SWAYAM/NPTEL)	
2110861. Introduction to Civil Engineering Profession		910301. Natural Hazards	
2110862. Plastic Waste Management		910302. Strategies for Sustainable Design	
2110864. Retrofitting and Rehabilitation of Civil Infrastructure			

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Civil Engineering Department, MITS Gwalior

Dec 2025