

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE,
GWALIOR**

**Deemed University
(NAAC Accredited with A++)**

SCHEME

(Under Flexible Curriculum)

B. Tech Civil Engineering with Honors



Admitted Batch

(2022-2026)

**DEPARTMENT OF CIVIL
ENGINEERING**

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
Deemed University
(NAAC Accredited with A++)

Scheme of Examination
B. Tech. V Semester (Civil Engineering)

For batch admitted in academic session July, 2022

TRACK 1: STRUCTURE ENGINEERING

S. No	Subject Code	Subject Name	Theory MOOC			Credits
			End Sem	Assignment/ Quiz	Total Marks	
1.	H110507	Dynamics of Structures	75	25	100	04
2.	H110509	Introduction to Engineering Seismology	75	25	100	04
3.	H110513	Geosynthetics and Reinforced Soil Structures	75	25	100	04

TRACK 2: ENVIRONMENTAL ENGINEERING

S. No	Subject Code	Subject Name	Theory MOOC			Credits
			End Sem	Assignment/ Quiz	Total Marks	
1.	H110510	Municipal Solid Waste Management	75	25	100	04
2.	H110511	Environmental Chemistry	75	25	100	04
3.	H110512	Availability & Management of Ground Water Resources	75	25	100	04

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

For batch admitted in academic session July, 2022

TRACK 1: STRUCTURE ENGINEERING

S. No	Subject Code	Subject Name	Theory MOOC			Credits
			End Sem	Assignment/ Quiz	Total Marks	
1.	H110601	Structural Dynamics	75	25	100	04
2.	H110606	Construction Methods & Equipment Management	75	25	100	04
3.	H110607	Soil Structure Interaction	75	25	100	04

TRACK 2: ENVIRONMENTAL ENGINEERING

S. No	Subject Code	Subject Name	Theory MOOC			Credits
			End Sem	Assignment/ Quiz	Total Marks	
1.	H110605	Environmental Impact Assessment	75	25	100	04
2.	H110608	Applied Environmental Microbiology	75	25	100	04
3.	H110609	Biological process design for wastewater treatment	75	25	100	04

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Scheme of Examination
 B. Tech. VII Semester (Civil Engineering)

For batch admitted in academic session July, 2022

TRACK 1: STRUCTURE ENGINEERING

S. No	Subject Code	Subject Name	Theory MOOC			Credits
			End Sem	Assignment/ Quiz	Total Marks	
1.	H110704	Bridge Engineering	75	25	100	04
2.	H110713	Advanced Prestressed Concrete	75	25	100	04
3.	H110714	Optimization methods for Civil Engineering	75	25	100	04
4.	H110507	Dynamics of Structures	75	25	100	04
5.	H110509	Introduction to Engineering Seismology	75	25	100	04

TRACK 2: ENVIRONMENTAL ENGINEERING

S. No	Subject Code	Subject Name	Theory MOOC			Credits
			End Sem	Assignment/ Quiz	Total Marks	
1.	H110709	Indoor Air Pollution: Sources, Effects, Monitoring, Control and Modeling	75	25	100	04
2	H110710	Environmental Modeling and Simulation	75	25	100	04
3	H110711	An Introduction to Climate Dynamics, Variability and Monitoring	75	25	100	04
4	H110712	Integrated Waste Management for Smart City	75	25	100	04
5.	H110511	Environmental Chemistry	75	25	100	04
6.	H110512	Availability & Management of Ground Water Resources	75	25	100	04

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

For batch admitted in academic session July, 2022

TRACK 1: STRUCTURE ENGINEERING

S. No	Subject Code	Subject Name	Theory MOOC			Credits
			End Sem	Assignment/ Quiz	Total Marks	
1.	H110808	Applied Seismology for Engineers	75	25	100	04
2.	H110809	Finite Element Method	75	25	100	04
3.	H110601	Structural Dynamics	75	25	100	04
4.	H110606	Construction Methods & Equipment Management	75	25	100	04
5.	H110607	Soil Structure Interaction	75	25	100	04

TRACK 2: ENVIRONMENTAL ENGINEERING

S. No	Subject Code	Subject Name	Theory MOOC			Credits
			End Sem	Assignment/ Quiz	Total Marks	
1.	H110810	Environmental Remediation of Contaminated Sites	75	25	100	04
2.	H110811	Climate Change Science	75	25	100	04
3.	H110605	Environmental Impact Assessment	75	25	100	04
4.	H110608	Applied Environmental Microbiology	75	25	100	04
5.	H110609	Biological process design for wastewater treatment	75	25	100	04