

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

**For Batch Admitted in 2023-2024**

**Master of Technology in Environmental Engineering (Semester – I)**

**Scheme of Examination**

S. No.	Subject Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Periods per week			Total Credits
			Theory Slot			Practical Slot		MOOCs			L	T	P	
			End Sem	Mid Sem	Quiz/ Assignment	End Sem	Lab Work / Sessional	Assignment	Exam					
1.	530111	Environmental Chemistry & Microbiology	70	20	10	-	-	-	-	100	3	-	-	3
2.	530112	Solid & Hazardous Waste Management	70	20	10	-	-	-	-	100	3	-	-	3
3.	530113	Advanced Treatment Process – I (Waste Water Engineering)	70	20	10	-	-	-	-	100	3	-	-	3
4.		#Elective - I	70	20	10	-	-	-	-	100	3	-	-	3
5.		*Open Category Course (OC-1)	70	20	10	-	-	-	-	100	3	-	-	3
6.	530118	Environmental Engineering Lab	-	-	-	90	60	-	-	150	-	-	4	4
7.	530119	S Self Learning / Presentation	-	-	-	-	100	-	-	100	-	-	2	2
		<b>Total</b>	<b>350</b>	<b>100</b>	<b>50</b>	<b>90</b>	<b>160</b>	<b>-</b>	<b>-</b>	<b>750</b>	<b>15</b>	<b>-</b>	<b>6</b>	<b>21</b>

**##Elective-I**

- 530114. Industrial Waste Management
- 530115. Environmental Auditing & Management System
- 530116. Environmental Hydraulics

\* **Open Category Course (OC-1)** will have to be opted from the pool of open courses (Student can opt from parent department and other department) and based on interdisciplinary aspects.

800110. Sustainable Waste Management System.

*During labs, students have to perform practical/assignments/minor projects related to theory subjects/theoretical concepts of respective semester using recent technologies/ languages/ tools etc.*

<sup>5</sup>Self learning / presentation through SWAYAM / NPTEL (Registration in a course will be compulsory for students bus assessment will be based on internal seminar presentation)

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

M/O  
03/01/2024  
(ACADEMICS)  
MITS  
GWALIOR

For batch admitted in academic session 2023-24

## Master of Technology in Environmental Engineering (Semester – II)

### Scheme of Examination

S. No.	Subject Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Periods per week			Total Credits
			Theory Slot			Practical Slot		MOOCs			L	T	P	
			End Sem	Mid Sem	Quiz/Assignment	End Sem	Lab Work / Sessional	Assignment	Exam					
1.	530211	Air Pollution & Noise Pollution	70	20	10	-	-	-	-	100	3	-	-	3
2.	530212	Advanced Treatment Process- II (Water Supply Engineering)	70	20	10	-	-	-	-	100	3	-	-	3
3.	530213	Environmental Impact Assessment & Ethics	70	20	10	-	-	-	-	100	3	-	-	3
4.		##Elective – II	-	-	-	-	-	-	-	100	3	-	-	3
5.		**Open Category Course (OC-2)	70	20	10	-	-	-	-	150	-	-	4	4
6.	530217	Advanced Environmental Engineering Lab	-	-	-	90	60	-	-	150	-	-	4	4
7.	530218	Self Learning / Presentation	-	-	-	-	100	2	-	100	-	-	2	2
		<b>Total</b>	<b>280</b>	<b>80</b>	<b>40</b>	<b>90</b>	<b>160</b>	<b>25</b>	<b>75</b>	<b>750</b>	<b>15</b>	<b>-</b>	<b>6</b>	<b>21</b>

##Elective-II (Through SWAYAM / NPTEL / MOOC based learning platform (with credit transfer facility))

- 530219. Biological Process Design for Waste Water Treatment
- 530221 Applied Environmental Microbiology

\*\*Open Category Course (OC-2) will have to be opted from the pool of open courses (Student can opt from parent department and other department) and based on interdisciplinary aspects. This course may run through SWAYAM/NPTEL based platform (with credit transfer facility).

800209. Global Climatic Changes & Disaster Management

During labs, students have to perform practical/assignments/minor projects related to theory subjects/theoretical concepts of respective semester using recent technologies / languages / tools etc.

\*Self learning / presentation through SWAYAM / NPTEL (Registration in a course will be compulsory for students bus assessment will be based on internal seminar presentation)





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



Master of Technology in Environmental Engineering (Semester – III)

For batch admitted in academic session 2023 – 24

Scheme of Examination

S. No.	Subject Code	Subject Name	Maximum Marks Allotted						Total Marks	Contact Hours per week			Total Credits	
			Theory Slot			Practical Slot		MOOCs		L	T	P		
			End Sem.	Mid Sem.	Quiz/ Assignment	End Sem. /Practical Viva	Sessional Work/ Practical Record/ Assignment/ Quiz/ Presentation	Assignment						Exam
1.	530311	Dissertation Part-I (Literature Review/ Problem Foundation/ Synopsis/survey paper, etc.)	-	-	-	150	100	-	-	-	10	10		
2.	8003XX	*MOOC Course	-	-	-	-	-	25	75	100	02	-	02	
		Total	-	-	-	150	100	25	75	350	02	10	12	

\*MOOC Course: Indoor Air Pollution: Sources, Effects, Monitoring, Control and Modeling

*[Signature]*  
19/06/24

*[Signature]*  
15/08/2024

*[Signature]*  
22/07/24  
Dean  
Faculty of Engineering & Technology,  
MITS-GU

Civil Engineering Department, MITS Gwalior



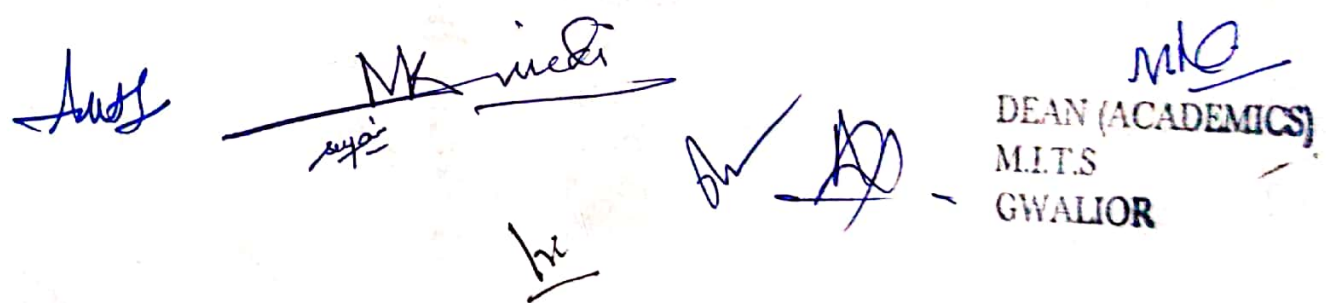
**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
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**W.E.F JULY 2020**

**Master of Technology in Environmental Engineering (Semester – IV)**

**Scheme of Examination**

S. No.	Subject Code	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
			Theory Slot			Practical Slot			L	T	P	
			End Sem.	Mid Sem.	Quiz/ Assignment	End Sem. /Practical Viva	Sessional Work/ Practical Record/ Assignment/ Quiz/ Presentation					
1.	530405	Dissertation Part-II	-	-	-	300	200	500	-	-	14	14
		<b>Total</b>	-	-	-	300	200	500	-	-	14	14


  
 Several handwritten signatures in blue ink are present. One signature is clearly legible as 'MK' with 'M.T.S.' written below it. To the right, there is a stamp that reads 'DEAN (ACADEMICS) M.I.T.S GWALIOR' with a signature above it.