

**STUDY & EVALUATION SCHEME**  
**M.TECH: CIVIL ENGINEERING (R)**  
**SPECIALIZATION: ENVIRONMENTAL ENGINEERING**  
**I YEAR: I SEMESTER**

<b>S. NO.</b>	<b>SUBJECT CODE</b>	<b>SUBJECT</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CIE</b>	<b>ESE</b>	<b>TOTAL</b>	<b>C</b>
<b>THEORY</b>									
1	MHU1002	Technical Communication	2	0	0	40	60	100	2
2	MCE1001	Introduction to Environment: Ecology and Ecosystems	4	2	0	40	60	100	5
3	MCE1002	Air and Noise Pollution: Process & Control	4	2	0	40	60	100	5
4	MCE1003	Process and Treatment: Water Supply and Wastewater	4	2	0	40	60	100	5
5	MCE1004	Environmental Management and Environment Impact Assessment	4	2	0	40	60	100	5
<b>PRACTICAL/ TRAINING/PROJECT</b>									
6	MCE1501	Environmental Engineering Lab - I	0	0	4	80	20	100	2
<b>TOTAL</b>			<b>18</b>	<b>8</b>	<b>4</b>	<b>280</b>	<b>320</b>	<b>600</b>	<b>24</b>

L - Lecture

T - Tutorial

P - Practical

CIE - Continuous Internal Evaluation

ESE-End Semester Exam

C - Credit

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**I YEAR: II SEMESTER**

<b>S. NO.</b>	<b>SUBJECT CODE</b>	<b>SUBJECT</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CIE</b>	<b>ESE</b>	<b>TOTAL</b>	<b>C</b>
<b>THEORY</b>									
1	MHU2001	Professional Ethics	2	0	0	40	60	100	2
2	MCE2001	Environmental Chemistry & Microbiology	4	2	0	40	60	100	5
3	MCE2002	Solid and Hazardous Waste Management	4	2	0	40	60	100	5
4	MCE2003	Application of GIS and Remote Sensing in Environmental Engineering	4	2	0	40	60	100	5
5	---	Elective-I	4	2	0	40	60	100	5
<b>PRACTICAL/ TRAINING/PROJECT</b>									
6	MCE2501	Environmental Engineering – Lab - II	0	0	4	80	20	100	2
<b>TOTAL</b>			<b>18</b>	<b>8</b>	<b>4</b>	<b>280</b>	<b>320</b>	<b>600</b>	<b>24</b>

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**II YEAR: III SEMESTER**

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
<b>THEORY</b>									
1	---	Elective-II	4	2	0	40	60	100	5
2	---	Elective-III	4	2	0	40	60	100	5
<b>PRACTICAL/ TRAINING/PROJECT</b>									
3	MCE3501	Seminar/Minor Project	-	-	4	100	0	100	4
4	MCE3502	Dissertation-I	-	-	6	100	0	100	6
<b>TOTAL</b>			8	4	10	280	120	400	20

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**II YEAR: IV SEMESTER**

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
<b>PRACTICAL/ TRAINING/PROJECT</b>									
1	MCE4501	Dissertation-II	-	-	18	80	20	100	18
2	MCE4502	Comprehensive Viva *	-	-	-	100	-	100	2
<b>TOTAL</b>			0	0	18	180	20	200	20

\* Based on Field/Industrial Visit

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**LIST OF ELECTIVES**

<b>ELECTIVE-I</b>			
<b>S. NO.</b>	<b>SUBJECT CODE</b>	<b>SUBJECT</b>	<b>SEMESTER</b>
1	MCE2101	Energy and Environment	II
2	MCE2102	Earth and Environment	II
3	MCE2103	Environmental Geology	II
4	MCE2104	Ecological Engineering	II
<b>ELECTIVE-II</b>			
1	MCE3101	Industrial Wastewater: Treatment Technology and Control	III
2	MCE3102	Water Pollution and Management	III
3	MCE3103	Advanced Atmospheric Environmental Engineering	III
4	MCE3104	Environmental Geo- Technology	III
<b>ELECTIVE-III</b>			
1	MCE3201	Disaster Management	IV
2	MCE3202	Groundwater Hydrology and Management	IV
3	MCE3203	Environmental Sanitation and Health	IV
4	MCE3204	Advanced Waste Water Treatment Technology	IV