

M Tech Civil Engineering
(Specialization in Environmental Engineering)
 (Regular, 2 Years, 4 Semesters, 68 Credits)

First Semester: Course Structure

Theory/ Practical	Sl no	Sub code	subject	Hours per week			Credit
				L	T	P	
Theory	1		Environmental Chemistry	3	0	0	3
	2		Physico, chemical & biological treatment processes	3	0	0	3
	3		Environmental Bio-Technology	3	0	0	3
Practical	4		Physico, chemical & biological treatment processes Lab	0	0	4	2
Programme Elective-I							
Theory	5		Program Elective -1	3	0	0	3
Open Elective-I							
Theory	6		Open Elective	3	0	0	3
Mandatory Learning Course							
Theory	7		Research Methodology and IPR	2	0	0	2
Audit Course-I							
Theory	8		Audit Course-1	2	0	0	0
Total				19	0	4	19

Program Elective-1

Sl no	Code	Subject
1		Geo-Environmental Engineering
2		Environmental Sanitation
3		Environmental Risk Assessment
4		Any other subject offered from time to time with the approval

Second semester: Course Structure

Theory/ Practical	Sl no	Sub code	subject	Hours per week			Credit
				L	T	P	
Theory	1		Solid Waste Management	3	0	0	3
	2		Advanced Water and Wastewater Treatment	3	0	0	3
	3		Air and Noise Pollution	3	0	0	3
Practical	4		Software Lab	0	0	4	2
Programme Elective-2							
Theory	5		Program Elective -2	3	0	0	3
Program Elective-3							
Theory	6		Program Elective-3	3	0	0	3
Audit Course-2							
Theory	7		Audit Course-2	2	0	0	0
Total				17	0	4	17

Program Elective-2

Sl no	Code	Subject
1		Rural Water Supply and Sanitation
2		Unit Processes and Operations in Environmental Engg
3		Industrial Wastewater Treatment
4		Any other subject offered from time to time with the approval

Program Elective-3

Sl no	Code	Subject
1		Energy System and Environment
2		Environmental Systems Modelling
3		Surface Water Quality Modelling
4		Any other subject offered from time to time with the approval

Third Semester: Course Structure

Theory/ Practical	Sl no	Sub code	Subject	Hours per week			Credit
				L	T	P	
Practical	1		Mini Project	0	0	8	4
	2		Dissertation Phase – I	0	0	24	12
Total				0	0	32	16

Fourth Semester: Course Structure

Theory/ Practical	Sl no	Sub code	Subject	Hours per week			Credit
				L	T	P	
Practical	1		Dissertation Phase – II	0	0	32	16
Total				0	0	32	16