

M. Tech. in Environmental Engineering

Sl. No.	Subject Code	SEMESTER I	L	T	P	C
1.	HS5111	Technical Writing and Soft Skill	1	2	2	4
2.	CE5101	Chemistry for Environmental Engineers	3	0	2	4
3.	CE5102	Physico-Chemical Principles and Processes	3	0	0	3
4.	CE5103	Solid and Hazardous Waste Management	3	0	0	3
5.	CE51XX/ CE61XX	DE-I (Environmental Elective)	3	0	0	3
6.	CE51XX/ CE61XX	DE-II (Environmental / Department Elective)	3	0	0	3
7.	XX61PQ	IDE	3	0	0	3
	TOTAL		19	2	4	23

Sl. No.	Subject Code	SEMESTER II	L	T	P	C
1.	CE5201	Biological Principles and Processes	3	0	0	3
2.	CE5202	Air Pollution and Control	3	0	2	4
3.	CE5203	Environmental Impact Assessment	3	0	0	3
4.	CE52XX/ CE62XX	DE-III (Environmental Elective)	3	0	0	3
5.	CE52XX/ CE62XX	DE-IV (Environmental Elective/ Department Elective)	3	0	0	3
6.	RM6201	Research Methodology	3	1	0	4
7.	IK6201	IKS	3	0	0	3
	TOTAL		21	1	2	23

Sl. No.	Subject Code	SEMESTER III	L	T	P	C
1.	CE6198	Summer Internship/Mini Project*	0	0	12	3
2.	CE6199	Project I **	0	0	30	15
	TOTAL		0	0	42	18

Sl. No.	Subject Code	SEMESTER IV	L	T	P	C
1.	CE6299	Project II	0	0	42	21
	TOTAL		0	0	42	21

Total Credit from Semester I to IV: 85

ELECTIVE GROUPS

Department Elective -I: Environmental Elective Course						
Sl. No.	Subject Code	Subject	L	T	P	C
1.	CE6101	Atmospheric Physics and Chemistry	3	0	0	3
2.	CE6102	Sampling, Analytical Methods, and Statistics for Environmental Engineering	3	0	0	3
3.	CE6103	Environmental Toxicology and Risk Assessment	3	0	0	3
4.	CE6104	Environmental Hydraulics	3	0	0	3
5.	CE6105	Atmospheric Science and Climate Change	3	0	0	3

Department Elective -II: Department Elective Course						
Sl. No.	Subject Code	Subject	L	T	P	C
1.	CE5117	Water Resources Management	3	0	0	3
2.	CE6109	Geoenvironmental Engineering	3	0	0	3
3.	CE6114	Probabilistic Methods in Geotechnical Engineering	3	0	0	3
4.	CE6130	Analytical Methods in Civil Engineering	3	0	0	3
5.	CE6131	Sustainability of Water Resources System	3	0	0	3

Department Elective -III: Environmental Elective Course						
Sl. No.	Subject Code	Subject	L	T	P	C
1.	CE6201	E-waste Management for Circular Economy	3	0	0	3
2.	CE6202	Industrial Pollution Control and Prevention	3	0	0	3
3.	CE6203	Water Supply and Sewerage Network Design	3	0	0	3
4.	CE6204	Design of Water and Wastewater Treatment Facilities	3	0	0	3
5.	CE6205	Advanced Water and Wastewater Engineering	3	0	0	3

Department Elective - IV: Department Elective Course						
Sl. No.	Subject Code	Subject	L	T	P	C
1.	CE5217	Geoinformatics for Engineers	3	0	0	3
2.	CE5218	Groundwater Hydrology	3	0	0	3
3.	CE5219	Open Channel Hydraulics	3	0	0	3
4.	CE6208	Mine Wastes Generation and Management	3	0	0	3
5.	CE6211	Utilization of industrial Byproducts for Geotechnical Application	3	0	0	3
6.	CE6218	Finite Element Method	3	0	0	3
7.	CE6223	Uncertainty, Risk and Reliability Analyses in Civil Engineering	3	0	0	3
8.	CE6228	Analytical Techniques for Infrastructure Systems Analysis	3	0	0	3