


M.E.-Environmental Engineering
Total Credits to be earned for the award of the Degree: 70
Full Time Curriculum and Syllabus

SEMESTER I									
Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
Theory Course									
17EV101	Statistics For Environmental Engineers	3	2	0	4	40	60	100	FC
17EV102	Environmental Chemistry	3	0	0	3	40	60	100	PC
17EV103	Environmental Microbiology	3	0	0	3	40	60	100	PC
17EV104	Transport of Water and Waste Water	3	0	0	3	40	60	100	PC
17EV105	Principles and Design of Physico-Chemical Treatment Systems	3	0	0	3	40	60	100	PC
	Elective-I	3	0	0	3	40	60	100	PE
Laboratory Course									
17EV106	Environmental Chemistry Laboratory	0	0	2	1	50	50	100	EEC
17EV107	Environmental Microbiology Laboratory	0	0	2	1	50	50	100	EEC
17EV108	Communication Skills Lab I	0	0	2	1	100	0	100	EEC
	Total	18	2	6	22	440	460	900	

SEMESTER II									
Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
Theory Course									
17EV201	Principles and Design of Biological Treatment Systems	3	0	0	3	40	60	100	FC
17EV202	Air Pollution Monitoring and Control	3	0	0	3	40	60	100	PC
17EV203	Industrial Waste Management	3	0	0	3	40	60	100	PC
17EV204	Solid and Hazardous Waste Management	3	0	0	3	40	60	100	PC
17EV205	Environmental Impact Assessment	3	0	0	3	40	60	100	PC
	Elective II	3	0	0	3	40	60	100	PE
Laboratory Course									
17EV206	Unit Operations and Processes Laboratory	0	0	2	1	50	50	100	EEC
17EV207	Communication Skills Lab II	0	0	2	1	100	0	100	EEC
17EV208	Technical Seminar	0	0	2	1	50	50	100	EEC
	Total	18	0	6	21	440	460	900	

SEMESTER III									
Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
	Elective III	3	0	0	3	40	60	100	PE
	Elective IV	3	0	0	3	40	60	100	PE
	Elective V (Open)	3	0	0	3	40	60	100	OE
17EV301	Project Work (Phase I)	0	0	12	6	50	50	100	EEC
	Total	9	0	12	15	170	230	400	

SEMESTER IV									
Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
17EV401	Project Work (Phase II)	0	0	24	12	50	50	100	EEC
	Total	0	0	24	12	50	50	100	

ATTESTED

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List of Programme Electives for M.E – Environmental Engineering

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
17EV001	Air Pollution Meterology and Modeling	3	-	-	3	40	60	100	PE
17EV002	Climate Change and Modeling	3	-	-	3	40	60	100	PE
17EV003	Computing Techniques in Environmental Engineering	3	-	-	3	40	60	100	PE
17EV004	Environmental Biotechnology	3	-	-	3	40	60	100	PE
17EV005	Environmental Policies and Legislation	3	-	-	3	40	60	100	PE
17EV006	Environmental System Analysis	3	-	-	3	40	60	100	PE
17EV007	Land Fill Engineering and Remediation Technology	3	-	-	3	40	60	100	PE
17EV008	Membrane Technologies for Water and Waste Water Treatment	3	-	-	3	40	60	100	PE
17EV009	Remote Sensing and GIS Applications in Environmental Management	3	-	-	3	40	60	100	PE
17EV010	Resource and Energy Recovery from Waste	3	-	-	3	40	60	100	PE
17EV011	Water Quality Modeling	3	-	-	3	40	60	100	PE
17EV012	Noise Pollution and Control Engineering	3	-	-	3	40	60	100	PE
17EV013	Operation and Maintenance of ETP Plants	3	-	-	3	40	60	100	PE
17EV014	Marine Pollution and Control	3	-	-	3	40	60	100	PE
17EV015	Environment, Health and Safety for Industries	3	-	-	3	40	60	100	PE

List of Open Electives Offered by the Department of Civil Engineering

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
17EV020	Research Methodology	3	-	-	3	40	60	100	OE
17PE021	Environmental Sociology	3	-	-	3	40	60	100	OE
17EV022	Environmental Instrumentation	3	-	-	3	40	60	100	OE
17EV023	Cleaner Production and Environmental Management	3	-	-	3	40	60	100	OE

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