

SHIVAJI UNIVERSITY, KOLHAPUR
STRUCTURE OF THE M.E (ENVIRONMENTAL ENGINEERING) PROGRAM

M.E. (ENVIRONMENTAL ENGINEERING) – I

SEMESTER –I

Sr. No.	Subject	Teaching Scheme					Paper Marks	Examination Scheme			Total marks
		L	T	P	Dr.	Total		TW	POE	OE	
1	Air & Noise Pollution Control	3	-	2	-	05	100	25	-	25	150
2	Solid & Hazardous Waste Management	3	1	-	-	04	100	25	-	-	125
3	Physico Chemical Processes for Water & Wastewater	3	-	2	-	05	100	25	-	25	150
4	Elective I	3	1	-	-	04	100	25	-	-	125
5	Elective II	3	1	-	-	04	100	25	-	-	125
6	Seminar I	-		2	-	02	-	25	-	-	25
	Total	15	03	06	-	24	500	150	-	50	700

Elective – I

1. Industrial Health and Safety Auditing
2. Optimization Techniques
3. Project Management

Elective – II

1. Energy Management
2. Operation and Maintenance of treatment Plants
3. Green Building

SEMESTER -II

Sr. No.	Subject	Teaching Scheme					Paper Marks	Examination Scheme			Total marks
		L	T	P	Dr.	Total		TW	POE	OE	
1	Industrial Waste Treatment	3	1	-	-	04	100	25	-	25	150
2	Biological Wastewater Treatment	3	-	2	-	05	100	25	-	25	150
3	Environmental Impact Assessment & Legislation	3	1	-	-	04	100	25	-	-	125
4	Elective III	3	1	-	-	04	100	25	-	-	125
5	Elective IV	3	1	-	-	04	100	25	-	-	125
6	Seminar II	-	-	2	-	02	-	25	-	-	25
	Total	15	04	04	-	23	500	150	-	50	700

Elective III

1. Remote Sensing & GIS
2. Watershed Management
3. Environmental Modeling & Simulation

Elective IV

1. Environmental Management System
2. Disaster Planning & Risk Analysis
3. Environment Geotechnology

SHIVAJI UNIVERSITY, KOLHAPUR
STRUCTURE OF THE M.E (ENVIRONMENTAL ENGINEERING) COURSE

M.E. (ENVIRONMENTAL ENGINEERING) - II

SEMESTER -III

Sr. No.	Name of the Subject	Teaching scheme				Examination			
		L	T	P	Total	Theory	T/W	P/O	Total Marks
1.	Industrial Training Seminar	--	--	1	1	--	50	--	50
2.	Dissertation Phase I	--	--	4	4	--	100	--	100
	Total				5				150

SEMESTER -IV

Sr. No.	Name of the Subject	Teaching scheme				Examination			
		L	T	P	Total	Theory	T/W	P/O	Total Marks
1.	Dissertation Phase II	--	--	5	5	--	100	100	200
	Total				5				200

NOTE:

1. An industrial training of about four weeks to be completed during the vacation period after semester-II. The report shall be submitted at the beginning of Semester-III.
2. Independent practicals may be held under each course. However, for examination purposes, a single comprehensive 2-3 days practical will be held for each semester covering different courses offered during that examination.