	U RSE S '	TRUCTI Ba	URE - 7 ased on	TECHNOLOGY- To be effective from CBCS & OBE mo	1 acade del	mic se		018- 19	
SEMESTER / Session of Study (Recomended)	M.7 Course Level	Category of course	Course Code	Courses	Engineering) Mode of delivery & credits L-Lecture; T-Tutorial;P- Practical			Total Credits C- Credits	
					L (Periods/ week)	T (Periods /week)	P (Periods /week)	С	
				THEORY					
			CE 527	Ecology and Environment	3	0	0	3	
	FIFTH	PC	CE 528	Environmental Chemistry and Microbiology	3	0	0	3	
	111111		CE 529	Water Supply Engineering	3	0	0	3	
FIRST /		PE		Programme Elective – I	3	0	0	3	
Monsoon		OE		Open Elective – I	3	0	0	3	
			1	LABORA	TORY		1		
	FIFTH	PC	CE 530	Environmental Engineering Laboratory – I	0	0	4	2	
			CE 531	Ecology and Microbiology Lab	0	0	4	2	
				TOTAL				19	
	THEORY						2		
	FIFTH	PC	CE 532 CE 533	Wastewater Engineering Air Pollution and Control Technology	3	0	0	3	
			CE534	Solid Waste Management	3	0	0	3	
(ECOND/		PE		Programme Elective – II	3	0	0	3	
SECOND/		OE		Open Elective – II	3	0	0	3	
Spring		LABORATORY							
	FIFTH		CE535	Environmental Engineering Laboratory – II	0	0	4	2	
		111 111		PC	CE536	Design of Water and Wastewater System	0	0	4
				TOTAL				19	
		Т	OTAL FO	R FIRST YEAR				38	
	FIFTH	PE	CE537	Environmental Impact Assessment and Legislation	3	0	0	3	
				Programme Elective - III	3	0	0	3	
				LABORA	TORY		,		
	FIFTH	PC	CE538	System Engineering Sessional	0	0	4	2	
F			CE600	Thesis Part 1 TOTAL				<u>8</u> 16	
FOURTH/ Spring	FIFTH	PC	CE 650	Thesis Part 2				16	
~Ping			1	TOTAL	1	1		16	
TOTAL FOR SECOND YEAR						32			
	CD				27)				
GRAND TOTAL FOR M.TECH PROGRAMME (38 + 32)							70		

DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING PROGRAMME ELECTIVES (PE) OFFERED FOR M.Tech. (Environmental Science and Engineering)									
PE / LEVEL	Code no.	Name of the PE courses	Prerequisites course with code	L	Т	Р	С		
5	CE563	Climate Change and Adaptation	NIL	3	0	0	3		
	CE564	Instruments for Environmental Engineering	NIL	3	0	0	3		
	CE565	Earth Sciences	NIL	3	0	0	3		
	CE566	Environmental Economics	NIL	3	0	0	3		
	CE567	Environmental Statistics	NIL	3	0	0	3		
	CE568	Environmental Toxicology	NIL	3	0	0	3		
	CE569	Environmental Biotechnology	NIL	3	0	0	3		
	CE570	Environment and Energy Management	NIL	3	0	0	3		
	CE571	Advanced Wastewater Engineering	NIL	3	0	0	3		
	CE572	Occupational health and Industrial Safety	NIL	3	0	0	3		
	CE573	Ecosystem Health and Eco-restoration	NIL	3	0	0	3		
	CE574	Renewable Energy Resources	NIL	3	0	0	3		
PROGRAMME ELECTIVES TO BE OPTED ONLY BY THE DEPARTMENT STUDENTS									

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DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING OPEN ELECTIVES (OE)* OFFERED FOR LEVEL 5-6

OE / LEVEL	Code no.	Name of the OE courses	Prerequisites courses with code	L	Т	Р	С
5	CE575	Environmental and Natural Resource Management	NIL	3	0	0	3
	CE576	Environmental Science and Management	NIL	3	0	0	3
	CE577	Industrial Pollution Control	NIL	3	0	0	3
	CE578	Waste Management	NIL	3	0	0	3

* OPEN ELECTIVES TO BE OPTED ONLY BY OTHER DEPARTMENT STUDENTS