

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI



Scheme of Teaching and Examinations
M.Tech., in Civil Engineering
(Specialization in Environmental Engineering)

Choice Based Credit System (CBCS) and Outcome Based Education (OBE)

Specialization in –(ENV)											
II SEMESTER											
Sl. No	Course	Course Code	Course Title	Teaching Hours /Week			Examination			Credits	
				Theory	Practical/ Seminar	Tutorial/ Skill Development Activities	Duration in hours	CIE Marks	SEE Marks		Total Marks
				L	P	T/SDA					
1	IPCC	MCEE201	Advanced Water Treatment Technology	03	02	00	03	50	50	100	4
2	IPCC	MCEE202	Advanced Wastewater Treatment Technology	02	02	00	03	50	50	100	3
3	PCC	MCEE203	Solid Waste Engineering and Management	02	00	02	03	50	50	100	3
4	PCC	MCEE204	Atmospheric Air Pollution and Control	02	00	02	03	50	50	100	3
5	PEC	MCEE215X	Professional Elective Course -3	02	00	02	03	50	50	100	3
6	PEC	MCEE216X	Professional Elective Course -4	02	00	02	03	50	50	100	3
7	PCCL	MCEEL207	Environmental Engineering Laboratory	01	02	00	03	50	50	100	2
8	AEC/SEC	MCEE258	Ability/Skill Enhancement Course	00	02	---	02	50	50	100	1
				01	00	---	01				
TOTAL								400	400	800	22
<p>Note: PCC: Professional core. IPCC-Integrated Professional Core Courses, PCC(PB): Professional Core Courses (Project Based), PCCL-Professional Core Course lab, PEC- Professional Elective Courses, MDC- Multi-Disciplinary Courses</p> <p>, L-Lecture, P-Practical, T/SDA-Tutorial / Skill Development Activities (Hours are for Interaction between faculty and students)</p> <p>L-Lecture, P-Practical, T/SDA-Tutorial / Skill Development Activities (Hours are for Interaction between faculty and students) PBLC: Project Based Learning Course,</p> <p>Note: xxx means specialization code for example MDE- DesignEngineering, LDN- Digital Communication and Networking, SCE- Computer Engineering, CCT- Construction Technology, AUD- Urban Design, MBA- Master of Business Administration, MCA-Master of Computer Application, etc</p>											
Ability / Skill Enhancement Courses											

Ability Enhancement Courses (AEC): These courses are designed to help students enhance their skills in communication, language, and personality development. They also promote a deeper understanding of subjects like social sciences and ethics, culture and human behaviour, human rights, and the law. **Skill Enhancement Course (SEC):** Skill Enhancement Course means a course designed to provide value-based or skill-based knowledge and should contain both theory and lab/hands-on/training/fieldwork. The main purpose of these courses is to provide students with life skills in the hands-on mode to increase their employability.

If AEC/SEC courses are ONLINE (MOOCs) courses, suggested by the concerned board of studies. These courses will be made available on www.online.vtu.ac.in,

For Professional Elective Course

Professional Elective Course-III (PEC)		Professional Elective Course-IV (PEC)	
Code	Title of the Course	Code	Title of the Course
MCEE215A	Occupational Safety and Health	MCEE216A	Climate Change and Global warming
MCEE215B	Applied Environmental Chemistry and Microbiology	MCEE216B	Environmental Pollution and Control Management
MCEE215C	Renewable Energy and Alternative Fuels	MCEE216C	Operation and maintenance of environmental facility

PCC/PCCL/IPCC/PEC/MDC/PCC(PB): These are the courses which will suit the individual specializations