VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI



Scheme of Teaching and Examinations (2026)

M.Tech. in Civil Engineering

(Specialization in Water Resources and Environmental Engineering)

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

Specialization in Water Resources and Environmental Engineering

II SEMESTER

Sl. No	Course	Course Code	Course Title	Teaching & Learning					Examination				Credits
				CI		LI	TW & SL	Total Hours	Duration in hours	CIE Marks	SEE Marks	Total Marks	
				L	T	P							
1	PCC/ IPCC	1MCWE201	Engineering Design of Irrigation Systems & Water Requirement Assessment	42	0	28	50	120	03	50	50	100	4
2	PCC	1MCWE202	Ground Water Hydro Environmental & Modeling	42	0	0	48	90	03	50	50	100	3
3	PCC	1MCWE203	Hydrological Analysis and watershed modelling	42	0	0	48	90	03	50	50	100	3
4	PCC	1MCWE204	Water Pollution Solutions and Control Technologies	42	0	0	48	90	03	50	50	100	3
5	PEC	1MCWE205X	PEC–III	42	0	0	48	90	03	50	50	100	3
6	PEC	1MCWE206X	PEC–IV	42	0	0	48	90	03	50	50	100	3
7	PCC L	1MCWEL207	Hydro-Soil Engineering Lab	0	0	28	02	30	03	50	50	100	1
8	PCC	1MCWES208	Minor Project / Skill Development Project	0	0	0	60	60	03	50	50	100	2
									Total	**400**	**400**	**800**	**22**

Professional Elective Courses (PECs)				
PEC-III			**PEC-IV**	
Code	**Title of the Course**		**Code**	**Title of the Course**
1MCWE205A	Open Channel Hydraulics		1MCWE206A	Waste water Reclamation & Reuse
1MCWE205B	Urban Flood Modelling and Management		1MCWE206B	Environmental Data Analytics
1MCWE205C	Environmental Impact Assessment and Management		1MCWE206C	Industrial Wastewater Management and Audit
1MCWE205D	Climate Change, Modeling and Adaptation		1MCWE206D	Geospatial Technology
1MCWE205E	Integrated Watershed Management		1MCWE206E	Life Cycle Assessment for Environmental Systems