MIT-WPU
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FACULTY OF ENGINEERING AND TECHNOLOGY

M.Tech Environmental Engineering

Programme Structure

mitwpu.edu.in

Division	Faculty of Engineering and Technology
School Name	School of Engineering & Technology
Department Name	Department of Civil Engineering
Program Name	M.Tech Environmental Engineering

COURSE BASKET

Course Type	Description
Programme Core [PC]	Courses dealing with foundations, depth and breadth of the major in which student is admitted at MIT-WPU
Programme Electives [PE]	Open electives under the programme allow students to specialise in a particular area connected to their major.
University Core [UC]	Courses that reflect the core MIT-WPU values and the mission of Life Transformation of students.
University Electives [UE]	Multidisciplinary courses across the faculties at MIT-WPU and outside the programme core.

Semester I

Semester	Course Type	Course Name / Course Title	Total Credits
I	PM	Advanced Water Treatment	4
I	PM	Air Pollution and Control Technology	4
I	PM	Environmental Laws, Clearances, and Management	4
I	PM	Advanced Sewage and Effluent Treatment	4
I	UC	Research Methodology for Civil Engineers	4
I	UC	Scientific Studies of Mind, Matter, Spirit, and Consciousness	2
I	UC	Yoga	1
		Total	**23**

Semester II

Semester	Course Type	Course Name / Course Title	Total Credits
II	PM	Solid and Hazardous Waste Management	4
II	PM	Optimisation methods for Environmental Engineering	4
II	PM	Environmental Engineering and Environmental Designs Laboratory	2
II	PR	Seminar	2
II	PE	Program Elective-I	4
II	UC	Peace Building: Global Initiatives	2
		Total	**18**

Semester - III

Semester	Course Type	Course Name / Course Title	Total Credits
III	PM	Circular Economy for Sustainable Development	4
III	PM	Software Lab [Environmental Engineering]	1
III	PR	Research Project I	8
III	PE	Program Elective-II	4
III	PE	Program Elective-III	4
		Total	**21**

SEMESTER - IV

Semester	Course Type	Course Name / Course Title	Total Credits
IV	PR	Internship	4
IV	PR	Research Project II	12
IV	PE	Program Elective – IV	4
		Total	**20**

Professional Elective Tracks

Semester	Name of the Course	Type
II	Environmental Statistics and Modelling	Program Elective-I
II	Environmental Risk Assessment	Program Elective-I
III	Bioremediation Technology	Program Elective-II
III	Resource Recovery, and Reuse	Program Elective-II
III	Sustainability Assessment Methods	Program Elective-III
III	Energy and Environment	Program Elective-III
IV	Applications of GIS and Remote Sensing in Environmental Engineering	Program Elective-IV
IV	Environmental Audit	Program Elective-IV

*Modifications to the programmes and courses are contingent upon adherence to university guidelines and procedures. Any proposed changes must undergo a thorough review process, including consultation with relevant academic departments, approval from the appropriate administrative bodies, and compliance with accreditation standards.

Additionally, consideration will be given to feedback from students, faculty, and other stakeholders to ensure that modifications align with the overall educational objectives and mission of the university. The implementation of any approved changes will be communicated transparently to the university community, and appropriate measures will be taken to facilitate a smooth transition for all affected parties.