

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WB

MOOCs list for Honours Degree For CIVIL & ENVIRONMENTAL ENGINEERING

MOOCs

Semester	Name of the Course	Duration	Credits	Source	Discipline
3rd Sem	Technical English for Engineers	08 Weeks	2	NPTEL	Humanities and Social Sciences
	Developing Soft Skills and Personality	08 Weeks	2	NPTEL	Humanities and Social Sciences
	Ethics in Engineering Practice	08 Weeks	2	NPTEL	Humanities and Social Sciences
	Energy Economics And Policy	08 Weeks	2	NPTEL	Humanities and Social Sciences
	Knowledge Management	08 Weeks	2	NPTEL	Management
4th Sem	Educational Leadership	08 Weeks	2	NPTEL	Management
	Industrial Safety Engineering	12 Weeks	3	NPTEL	Mechanical Engineering
	Engineering Mechanics	12 Weeks	3	NPTEL	Mechanical Engineering
	Strength of Materials	12 Weeks	3	NPTEL	Civil Engineering
	Fluid Mechanics	08 Weeks	2	NPTEL	Civil Engineering
	Remote Sensing and GIS	08 Weeks	2	NPTEL	Civil Engineering
5 th Sem	Soil Mechanics/Geotechnical Engineering I	12 Weeks	3	NPTEL	Civil Engineering
	Foundation Engineering	12 Weeks	3	NPTEL	Civil Engineering
	Concrete Technology	12 Weeks	3	NPTEL	Civil Engineering
	Structural analysis-I	12 Weeks	3	NPTEL	Civil Engineering
	Sustainable Materials and Green Buildings	04 Weeks	1	NPTEL	Civil Engineering
	Geotechnical Engineering Laboratory	12 Weeks	3	NPTEL	Civil Engineering
	Data Science for Engineers	8	3	Swayam	https://swayam.gov.in/nd1_noc19_cs60/preview
6th Sem	Design of Reinforced Concrete Structures	12 Weeks	3	NPTEL	Civil Engineering
	Design of steel structures	12 Weeks	3	NPTEL	Civil Engineering
	Applied Environmental Microbiology	12 Weeks	3	NPTEL	Civil Engineering

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MOOCs list for Honours Degree (Civil Engineering)

	Environmental Remediation of Contaminated Sites	12 Weeks	3	NPTEL	Civil Engineering
	Subsurface exploration :importance and techniques involved	08 Weeks	2	NPTEL	Civil Engineering
	Artificial Intelligence Search Methods For Problem Solving	12	4	Swayam	https://swayam.gov.in/nd1_noc19_cs83/preview
7th Sem	Geosynthetics And Reinforced Soil Structures	12 Weeks	3	NPTEL	Civil Engineering
	Energy Efficiency, Acoustics and daylighting in Building	12 Weeks	3	NPTEL	Civil Engineering
	Natural Hazards - Part-1	08 Weeks	2	NPTEL	Civil Engineering
	Advanced Topics in the Science and Technology of Concrete	04 Weeks	1	NPTEL	Civil Engineering
8th Sem	Infrastructure Planning and Management	12 Weeks	3	NPTEL	Civil Engineering
	Digital Land Surveying And Mapping(DLS&M)	08 Weeks	2	NPTEL	Civil Engineering
	Electronic Waste Management - Issues And Challenges	04 Weeks	1	NPTEL	Civil Engineering
	Hydration, Porosity & Strength of Cementitious Materials	08 Weeks	2	NPTEL	Civil Engineering

Note: The students are required to opt for a total credit of 20 throughout their degree course, the students can also opt for any other topic not covered here but having relevance to their degree course from NPTEL.