

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WB

MOOCs list for Honours Degree (Civil 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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	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.