

**Maulana Abul Kalam Azad University of Technology, West Bengal**  
(Formerly known as West Bengal University of Technology)  
**Effective for Even Semester of 2019-20(REVISED)**

**MOOCs for Civil Engineering & Civil and Environmental Engineering**  
**(2<sup>nd</sup> to 4<sup>th</sup> Year)**

No.	Course Name	Duration (Weeks)	Credit	Name of the Moocs websites	Link
1.	Economic Growth and Development	8	2	Swayam	<a href="https://swayam.gov.in">https://swayam.gov.in</a>
2.	Energy Resources, Economics and Environment	12	3	Swayam	<a href="https://swayam.gov.in">https://swayam.gov.in</a>
3.	Quality Design and Control	12	3	Swayam	<a href="https://swayam.gov.in">https://swayam.gov.in</a>
4.	Industrial Automation and Control	12	3	Swayam	<a href="https://swayam.gov.in">https://swayam.gov.in</a>
5.	Characterization of Construction Materials	12	3	Swayam	<a href="https://swayam.gov.in">https://swayam.gov.in</a>
6.	Introduction to Civil Engineering Profession	8	2	Swayam	<a href="https://swayam.gov.in">https://swayam.gov.in</a>
7.	Environmental Geomechanics	12	3	Swayam	<a href="https://swayam.gov.in">https://swayam.gov.in</a>
8.	Modern Construction Materials	12	3	Swayam	<a href="https://swayam.gov.in">https://swayam.gov.in</a>
9.	Fire Protection services and Maintenances Management of Building	12	3	Swayam	<a href="https://swayam.gov.in">https://swayam.gov.in</a>
10	Geotechnical Engineering II Foundation Engineering	12	3	Swayam	<a href="https://swayam.gov.in">https://swayam.gov.in</a>
11	Landscape Architecture and Site Planning- Basic Fundamentals	8	2	Swayam	<a href="https://swayam.gov.in">https://swayam.gov.in</a>
12	Introduction to Geographic Information system	4	1	Swayam	<a href="https://swayam.gov.in">https://swayam.gov.in</a>
13	Structural Dynamics	12	3	Swayam	<a href="https://swayam.gov.in">https://swayam.gov.in</a>
14	Soil Structure Interaction	12	3	Swayam	<a href="https://swayam.gov.in">https://swayam.gov.in</a>
15	Water Supply Engineering	12	3	Swayam	<a href="https://swayam.gov.in">https://swayam.gov.in</a>
16	Geo Spatial Analysis in Urban Planning	4	1	Swayam	<a href="https://swayam.gov.in">https://swayam.gov.in</a>
17	Maintenance and Repair of Concrete Structure	12	3	Swayam	<a href="https://swayam.gov.in">https://swayam.gov.in</a>
18	Remote Sensing Essentials	12	3	Swayam	<a href="https://swayam.gov.in">https://swayam.gov.in</a>
19	Hydraulic Engineering	12	3	Swayam	<a href="https://swayam.gov.in">https://swayam.gov.in</a>
20	Environmental Remediation of Contaminated Site	12	3	Swayam	<a href="https://swayam.gov.in">https://swayam.gov.in</a>
21	Introduction to Accounting and Finance for Civil Engineering	8	2	Swayam	<a href="https://swayam.gov.in">https://swayam.gov.in</a>

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22	IBM DATA SCIENCE	12	3	Coursera	<a href="https://www.coursera.org">https://www.coursera.org</a>
26.	Data Analysis and Presentation Skills: the PwC Approach Specialization	12	3	Coursera	<a href="https://www.coursera.org">https://www.coursera.org</a>
27.	Machine Learning with Python	12	3	Coursera	<a href="https://www.coursera.org">https://www.coursera.org</a>
28.	Data Processing Using Python	12	3	Coursera	<a href="https://www.coursera.org">https://www.coursera.org</a>
29.	Advanced Data Science with IBM Specialization	8	2	Coursera	<a href="https://www.coursera.org">https://www.coursera.org</a>
30.	Data Science: Foundations using R Specialization	12	3	Coursera	<a href="https://www.coursera.org">https://www.coursera.org</a>
31.	Python for Data Science and AI	8	2	Coursera	<a href="https://www.coursera.org">https://www.coursera.org</a>
32.	Data Science: Statistics and Machine Learning Specialization	12	3	Courera	<a href="https://www.coursera.org">https://www.coursera.org</a>
34.	Python and Statistics for Financial Analysis	4	1	Coursera	<a href="https://www.coursera.org">https://www.coursera.org</a>
35.	Applied Machine Learning in Python	12	3	Coursera	<a href="https://www.coursera.org">https://www.coursera.org</a>
36.	Machine Learning, ML	12	3	COURSERA	<a href="https://www.coursera.org">https://www.coursera.org</a>
37.	Fuzzy sets, Logic and System Applications	12	3	NPEL	
38.	Data Analytics with Python	12	3	NPTEL	
39.	Machine Learning	8	2	NPTEL	
40.	Introduction to Machine Learning	12	3	NPTEL	
41.	An Introduction to Artificial Intelligence	12	3	NPTEL	
42.	Artificial Intelligence: Knowledge Representation and Reasoning	12	3	NPTEL	
43.	Data Science for Engineers	8	2	NPTEL	
44.	Introduction to Internet of Things	12	3	NPTEL	
45.	Introduction to Industry 4.0 & Industrial Internet of Things	12	3	NPTEL	