

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 EE & EEE
(For 2nd to 4th Year)Jan 2020

No	Course name	Duration (weeks)	credits	Name of the Mooc websites	Link
1	Industry 4.0: How to Revolutionize your Business	6	2	Edx	https://www.edx.org
2	IoT Networking and Fog Layer Devices	8	2	Edx	https://www.edx.org
3	Electric Cars: Introduction	6	2	Edx	https://www.edx.org
4	Drones and Autonomous Systems I: Fundamentals	6	2	Edx	https://www.edx.org
5	INTRODUCTION TO CYBER SECURITY	12	3	Swayam	https://swayam.gov.in
6	Data Science for Engineers	8	2	Swayam	https://swayam.gov.in
7	Introduction to Machine Learning (IITM)	12	3	Swayam	https://swayam.gov.in
8	Python for Data Science	4	1	Swayam	https://swayam.gov.in
9	Introduction to Internet of Things	12	3	Swayam	https://swayam.gov.in
10	Artificial Intelligence (AI)	12	3	Edx	https://www.edx.org
11	Principles of Machine Learning: Python Edition	6	2	Edx	https://www.edx.org
12	Machine Learning Fundamentals	10	3	Edx	https://www.edx.org
13	Introduction to the Internet of Things (IoT)	6	2	Edx	https://www.edx.org
14	Artificial Intelligence : Knowledge Representation And Reasoning	12	3	Swayam	https://swayam.gov.in
15	IBM DATA SCIENCE	12	3	Coursera	https://www.coursera.org/
16	Data Analysis and Presentation Skills: the PwC Approach Specialization	12	3	Coursera	https://www.coursera.org
17	Machine Learning with Python	12	3	Coursera	https://www.coursera.org
18	Data Processing Using Python	12	3	Coursera	https://www.coursera.org
19	Advanced Data Science with IBM Specialization	8	2	Coursera	https://www.coursera.org
20	Python for Data Science and AI	8	2	Coursera	https://www.coursera.org
21	Data Science: Statistics and Machine Learning Specialization	12	3	Coursera	https://www.coursera.org
23	Python and Statistics for Financial Analysis	4	1	Coursera	https://www.coursera.org
24	Applied Machine Learning in Python	12	3	Coursera	https://www.coursera.org
25	Machine Learning, ML	12	3	COURSERA	https://www.coursera.org
26.	Discrete Time Signal Processing	8	2	NPTEL	
27.	Electronics Equipment Integration and Prototype Building	8	2	NPTEL	

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28.	Advanced Power Electronics and Control	8	2	NPTEL	
29.	Power Quality Improvement Technique	8	2	NPTEL	
30.	Microwave Integrated Circuits	8	2	NPTEL	
31.	VLSI Signal Processing	8	2	NPTEL	
32.	CMOS Digital VLSI Design	8	2	NPTEL	
33.	Principles of Digital Communication	12	3	NPTEL	
34.	Mathematical Methods and Techniques in Signal Processing	12	3	NPTEL	
35.	Statistical Signal Processing	12	3	NPTEL	
36.	Multirate DSP	12	3	NPTEL	
37.	High Power Multilevel Converters - Analysis, Design and Operational Issues	12	3	NPTEL	
38.	Power Management Integrated Circuits	12	3	NPTEL	
39.	Nonlinear System Analysis	12	3	NPTEL	
40.	Optical Engineering	12	3	NPTEL	
41.	Biomedical Signal Processing	12	3	NPTEL	
42.	Electronic Systems for Cancer Diagnosis	12	3	NPTEL	
43.	Fuzzy Sets, Logic and Systems & Applications	12	3	NPTEL	
42.	Medical Image Analysis	4	1	NPTEL	
43.	Electric Vehicles Part 1	4	1	NPTEL	
44.	A brief Introduction to Micro-sensors	4	1	NPTEL	
45.	Design and Simulation of Power Conversion using Open Source Tools	4	1	NPTEL	
46.	Recent Advances in Transmission Insulator	4	1	NPTEL	
47.	Data Analytics with Python	12	3	NPTEL	
48.	Machine Learning	8	2	NPTEL	
49.	Embedded System Design with ARM	8	2	NPTEL	
50.	Real Time Operating System	4	1	NPTEL	
51.	Introduction to Machine Learning	12	3	NPTEL	
52.	An Introduction to AI	12	3	NPTEL	
53.	Artificial Intelligence: Knowledge Representation and Reasoning	12	3	NPTEL	
54.	Deep Learning	12	3	NPTEL	
55.	Data Science for Engineers	8	2	NPTEL	
56.	Introduction to Internet of Things	12	3	NPTEL	
57.	Introduction to Industry 4.0 & Industrial Internet of Things	12	3	NPTEL	