

**MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WB**  
**MOOCs list for Honours Degree (Electrical & Electronics Engineering)**

## ELECTRICAL & ELECTRONICS ENGINEERING

No	Course Name	Duration (Weeks)	Credit	Name of the Mooc websites	Link
1	Fabrication Techniques for MEMS- based sensors: clinical Perspective	12	4	Swayam	<a href="https://swayam.gov.in/nd1_noc19_ee40/preview">https://swayam.gov.in/nd1_noc19_ee40/preview</a>
2	Pattern Recognition and Application	12	4	Swayam	<a href="https://swayam.gov.in/nd1_noc19_ee56/preview">https://swayam.gov.in/nd1_noc19_ee56/preview</a>
3	Solar Energy: Capstone Project	12		Edx	<a href="https://www.edx.org/course/solar-energy-capstone-project">https://www.edx.org/course/solar-energy-capstone-project</a>
4	Introduction to the Internet of Things (IoT)	6		Edx	<a href="https://www.edx.org/course/introduction-to-the-internet-of-things-iot-1">https://www.edx.org/course/introduction-to-the-internet-of-things-iot-1</a>
5	IoT Networking and Fog Layer Devices	8		Edx	<a href="https://www.edx.org/course/iot-networking-and-fog-layer-devices">https://www.edx.org/course/iot-networking-and-fog-layer-devices</a>
6	Artificial Intelligence Search Methods For Problem Solving	12	4	Swayam	<a href="https://swayam.gov.in/nd1_noc19_cs83/preview">https://swayam.gov.in/nd1_noc19_cs83/preview</a>
7	Data Science for Engineers	8	3	Swayam	<a href="https://swayam.gov.in/nd1_noc19_cs60/preview">https://swayam.gov.in/nd1_noc19_cs60/preview</a>
8	Introduction to Machine Learning (IITM)	12	4	Swayam	<a href="https://swayam.gov.in/nd1_noc19_cs53/preview">https://swayam.gov.in/nd1_noc19_cs53/preview</a>
9	Python for Data Science	4	2	Swayam	<a href="https://swayam.gov.in/nd1_noc19_cs59/preview">https://swayam.gov.in/nd1_noc19_cs59/preview</a>
10	INTRODUCTION TO CYBER SECURITY	12	4	Swayam	<a href="https://swayam.gov.in/nd2_nou19_cs08/preview">https://swayam.gov.in/nd2_nou19_cs08/preview</a>

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11	Statistics with Python Specialization	3		Coursera	<a href="https://www.coursera.org/specializations/statistics-with-python">https://www.coursera.org/specializations/statistics-with-python</a>
12	Introduction to Internet of Things	12	4	Swayam	<a href="https://swayam.gov.in/nd1_noc19_cs65/preview">https://swayam.gov.in/nd1_noc19_cs65/preview</a>
13	Artificial Intelligence (AI)	12		Edx	<a href="https://www.edx.org/course/artificial-intelligence-ai">https://www.edx.org/course/artificial-intelligence-ai</a>
14	Principles of Machine Learning: Python Edition	6		Edx	<a href="https://www.edx.org/course/principles-of-machine-learning-python-edition-3">https://www.edx.org/course/principles-of-machine-learning-python-edition-3</a>
15	Machine Learning	12		Edx	<a href="https://www.edx.org/course/machine-learning">https://www.edx.org/course/machine-learning</a>
16	Neural Networks for Signal Processing - I	12	4	Swayam	<a href="https://swayam.gov.in/nd1_noc19_ce53/preview">https://swayam.gov.in/nd1_noc19_ce53/preview</a>

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1	Introduction to the Internet of Things (IoT)	6		Edx	<a href="https://www.edx.org/course/introduction-to-the-internet-of-things-iot-1">https://www.edx.org/course/introduction-to-the-internet-of-things-iot-1</a>
2	IoT Networking and Fog Layer Devices	8		Edx	<a href="https://www.edx.org/course/iot-networking-and-fog-layer-devices">https://www.edx.org/course/iot-networking-and-fog-layer-devices</a>
3	Artificial Intelligence Search Methods For Problem Solving	12	4	Swayam	<a href="https://swayam.gov.in/nd1_noc19_cs83/preview">https://swayam.gov.in/nd1_noc19_cs83/preview</a>
4	Data Science for Engineers	8	3	Swayam	<a href="https://swayam.gov.in/nd1_noc19_cs60/preview">https://swayam.gov.in/nd1_noc19_cs60/preview</a>
5	Introduction to Machine Learning (IITM)	12	4	Swayam	<a href="https://swayam.gov.in/nd1_noc19_cs53/preview">https://swayam.gov.in/nd1_noc19_cs53/preview</a>
6	INTRODUCTION TO CYBER SECURITY	12	4	Swayam	<a href="https://swayam.gov.in/nd2_nou19_cs08/preview">https://swayam.gov.in/nd2_nou19_cs08/preview</a>
7	Switching Circuits and Logic Design	12	4	Swayam	<a href="https://swayam.gov.in/nd1_noc19_cs74/preview">https://swayam.gov.in/nd1_noc19_cs74/preview</a>
8	Electrical Distribution System Analysis	8	3	Swayam	<a href="https://swayam.gov.in/nd1_noc19_ee61/preview">https://swayam.gov.in/nd1_noc19_ee61/preview</a>
9	Neural Networks for Signal Processing - I	12	4	Swayam	<a href="https://swayam.gov.in/nd1_noc19_ee53/preview">https://swayam.gov.in/nd1_noc19_ee53/preview</a>
10	Industry 4.0: How to Revolutionize your Business	6		Edx	<a href="https://www.edx.org/course/industry-40-how-to-revolutionize-your-business-2">https://www.edx.org/course/industry-40-how-to-revolutionize-your-business-2</a>
11	Drones and Autonomous Systems I: Fundamentals	6		Edx	<a href="https://www.edx.org/course/drones-and-autonomous-systems-1-fundamentals">https://www.edx.org/course/drones-and-autonomous-systems-1-fundamentals</a>
12	Electric Cars: Introduction	6		Edx	<a href="https://www.edx.org/course/electric-cars-introduction-0">https://www.edx.org/course/electric-cars-introduction-0</a>

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13	Programming for the Internet of Things Project	4		Coursera	<a href="https://www.coursera.org/learn/internet-of-things-project">https://www.coursera.org/learn/internet-of-things-project</a>
14	Introduction to Internet of Things	12	4	Swayam	<a href="https://swayam.gov.in/nd1_noc19_cs65/preview">https://swayam.gov.in/nd1_noc19_cs65/preview</a>
15	Artificial Intelligence (AI)	12		Edx	<a href="https://www.edx.org/course/artificial-intelligence-ai">https://www.edx.org/course/artificial-intelligence-ai</a>
16	Principles of Machine Learning: Python Edition	6		Edx	<a href="https://www.edx.org/course/principles-of-machine-learning-python-edition-3">https://www.edx.org/course/principles-of-machine-learning-python-edition-3</a>
17	Machine Learning	12		Edx	<a href="https://www.edx.org/course/machine-learning">https://www.edx.org/course/machine-learning</a>