

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 B. Tech in Biotechnology
(2nd to 4th Year)

No	Course Name	Duration (Weeks)	Credit	Name of the Mooc websites	Link
1	Analytical Techniques	15	4	Swayam	https://swayam.gov.in
2	Biostatistics and Design of experiments	8	2	Swayam	https://swayam.gov.in
3	Computational Systems Biology	12	3	SWAYAM	https://swayam.gov.in
4	Biostatistics and Mathematical Biology	12	3	Swayam	https://swayam.gov.in
5	Plastic Waste Management	8	2	Swayam	https://swayam.gov.in
6	Data Science for Engineers	8	2	Swayam	https://swayam.gov.in
7	Introduction to Industry 4.0 and Industrial Internet of Things	12	3	Swayam	https://swayam.gov.in
8	Data Analytics with Python	12	3	Swayam	https://swayam.gov.in
9	Introduction to Professional Scientific Communication	4	1	Swayam	https://swayam.gov.in
10	Sustainable Management of Biodiversity	12	3	Swayam	https://swayam.gov.in
11	IBM DATA SCIENCE	12	3	Coursera	https://www.coursera.org
12	Data Analysis and Presentation Skills: the PwC Approach Specialization	12	3	Coursera	https://www.coursera.org
13	Machine Learning with Python	12	3	Coursera	https://www.coursera.org
14	Data Processing Using Python	12	3	Coursera	https://www.coursera.org
15	Advanced Data Science with IBM Specialization	8	2	Coursera	https://www.coursera.org
16	Data Science: Foundations using R Specialization	12	3	Coursera	https://www.coursera.org
17	Python for Data Science and AI	8	2	Coursera	https://www.coursera.org
18	Data Science: Statistics and Machine Learning Specialization	12	3	Courera	https://www.coursera.org

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)

19	R Programming	4	1	Coursera	https://www.coursera.org
20	Python and Statistics for Financial Analysis	4	1	Coursera	https://www.coursera.org
21	Applied Machine Learning in Python	12	3	Coursera	https://www.coursera.org
22	Machine Learning, ML	12	3	COURSERA	https://www.coursera.org
23	Fuzzy Sets, Logic and Systems Applications	12	3	NPTEL	
24	Data Analytics with Python	12	3	NPTEL	
25	Machine Learning	8	2	NPTEL	
26	An Introduction to Artificial Intelligence	12	3	NPTEL	
27	Artificial Intelligence: Knowledge Representation and Reasoning	12	3	NPTEL	
28	Data Science for Engineers	8	2	NPTEL	
29	Introduction to Internet of Things	12	3	NPTEL	
30	Introduction to Industry 4.0 & Industrial Internet of Things	12	3	NPTEL	