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MOOCS FOR AEIE & ICE

(2nd to 4th Year)

No.	Course Name	Duration (Weeks)	Credit	Name of the Mooc websites	Link
1.	Introductory Statistics : Basic Ideas and Instruments for Statistical Inference	3	1	EDx	https://www.edx.org
2.	Drones and Autonomous Systems I: Fundamentals	6	2	Edx	https://www.edx.org
3.	Introduction to the Internet of Things (IoT)	6	2	Edx	https://www.edx.org
4.	IoT Networking and Fog Layer Devices	4	1	Edx	https://www.edx.org
5.	Artificial Intelligence: Knowledge Representation & Reasoning	12	3	Swayam	https://swayam.gov.in
6.	Data Science for Engineers	8	2	Swayam	https://swayam.gov.in
7.	Electric Cars: Introduction	4	1	Edx	https://www.edx.org
8.	Programming for the IOT Project	4	1	Coursera	https://www.coursera.org
9.	Cyber security Basics: A hands on approach	6	2	Edx	https://www.edx.org
10.	Introduction to Internet of thing	12	3	SWAYAM	https://swayam.gov.in
11.	An introduction to Artificial Intelligence	12	3	SWAYAM	https://swayam.gov.in
12.	Principle of Machine learning R Edition	6	2	EDx	https://www.edx.org
13.	Machine learning	12	3	Edx	https://www.edx.org
14.	Introduction to machine learning	4	1	Coursera	https://www.coursera.org
15.	Data Analysis and Presentation Skills: the PwC Approach Specialization	12	3	Coursera	https://www.coursera.org
16.	Machine Learning with Python	12	3	Coursera	https://www.coursera.org
17.	Data Processing Using Python	12	3	Coursera	https://www.coursera.org
18.	Advanced Data Science with IBM Specialization	8	2	Coursera	https://www.coursera.org
19.	Data Science: Foundations using R Specialization	12	3	Coursera	https://www.coursera.org
20.	Python for Data Science and Al	8	2	Coursera	https://www.coursera.org
21.	Data Science: Statistics and Machine Learning Specialization	12	3	Courera	https://www.coursera.org
22.	Python and Statistics for Financial Analysis	4	1	Coursera	https://www.coursera.org
23.	Applied Machine Learning in Python	12	3	Coursera	https://www.coursera.org
24.	Machine Learning, ML	12	3	COURSERA	https://www.coursera.org
25.	Fuzzy Sets, Logic and Systems Applications	12	3	NPTEL	

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26.	Electronic Systems for Cancer Diagnosis	12	3	NPTEL	
27.	Optical Engineering	12	3	NPTEL	
28.	Data Analytics with Python	12	3	NPTEL	
29.	Machine Learning	8	2	NPTEL	
30.	Embedded System Design with ARM	8	2	NPTEL	
31.	Real Time Operating System	4	1	NPTEL	
32.	Introduction to Machine Learning	12	3	NPTEL	
33.	An Introduction to Artificial Intelligence	12	3	NPTEL	
34.	Artificial Intelligence: Knowledge Representation and Reasoning	12	3	NPTEL	
35.	Deep Learning	12	3	NPTEL	
36.	Data Science for Engineers	8	2	NPTEL	
37.	Introduction to Internet of Things	12	3	NPTEL	
38.	Introduction to Industry 4.0 & Industrial Internet of Things	12	3	NPTEL	

MOOCS FOR B. Arch (2nd to 5th Year)

No.	Course Name	Duration (Weeks)	Credit	Name of the Mooc websites	Link
1.	Sustainability in Architecture: An Interdisciplinary Introduction	4	1	EDx	https://www.edx.org
2.	Future Cities	10	3	EDx	https://www.edx.org
3.	Quality of Life: Livability in Future Cities	11	3	Edx	https://www.edx.org
4.	Realistic Architectural 3D Modeling	4	1	EDx	https://www.edx.org
5.	Responsive Cities	10	3	Edx	https://www.edx.org
6.	3D Modeling from Architectural Drawings	4	1	Edx	https://www.edx.org
7.	Ecodesign for Cities and Suburbs	6	2	EDx	https://www.edx.org
8.	Smart Cities	10	3	EDx	https://www.edx.org
9.	Interpreting Vernacular Architecture in Asia	6	2	EDx	https://www.edx.org
10.	The Architectural Imagination	10	3	EDx	https://www.edx.org
11.	Zero-Energy Design: an approach to make your building sustainable	7	2	EDx	https://www.edx.org
12.	Structure Form & Architecture	8	2	Swayam	https://swayam.gov.in
13.	Sustainable Architecture	12	3	Swayam	https://swayam.gov.in
14.	IBM DATA SCIENCE	12	3	Coursera	https://www.coursera.org
15.	Data Analysis and Presentation Skills: the PwC Approach Specialization	12	3	Coursera	https://www.coursera.org
16.	Machine Learning with Python	12	3	Coursera	https://www.coursera.org
17.	Data Processing Using Python	12	3	Coursera	https://www.coursera.org

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18.	Advanced Data Science with IBM Specialization	8	2	Coursera	https://www.coursera.org
19.	Data Science: Foundations using R Specialization	12	3	Coursera	https://www.coursera.org
20.	Python for Data Science and Al	8	2	Coursera	https://www.coursera.org
21.	Data Science: Statistics and Machine Learning Specialization	12	3	Coursera	https://www.coursera.org
22.	R Programming	4	1	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.	Introduction to History of Architecture in India	4	1	NPTEL	
27.	Structure, Forms and Architecture: The Synergy	8	2	NPTEL	
28.	Sustainable Architecture	12	3	NPTEL	
29.	Introduction to Internet of Things	12	3	NPTEL	
30.	Introduction to Industry 4.0 & Industrial Internet of Things	12	3	NPTEL	

MOOCs for Biomedical Engineering (2nd to 4th Year)

No.	Course Name	Duration (Weeks)	Credit	Name of the Moocs websites	Link
1	Regulatory requirements for medical devices including in vitro diagnostics in India (Version 2.0)	4	1	Swayam	https://swayam.gov.in
2	Artificial Intelligence: Knowledge Representation And Reasoning	12	3	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	IBM DATA SCIENCE	12	3	Coursera	https://www.coursera.org
10	Data Analysis and Presentation Skills: the PwC Approach Specialization	12	3	Coursera	https://www.coursera.org
11	Machine Learning with Python	12	3	Coursera	https://www.coursera.org
12	Data Processing Using Python	12	3	Coursera	https://www.coursera.org
13	Advanced Data Science with IBM Specialization	8	2	Coursera	https://www.coursera.org
14	Data Science: Foundations using R Specialization	12	3	Coursera	https://www.coursera.org
15	Python for Data Science and Al	8	2	Coursera	https://www.coursera.org
16	Data Science: Statistics and Machine Learning Specialization	12	3	Courera	https://www.coursera.org
17	Python and Statistics for Financial Analysis	4	1	Coursera	https://www.coursera.org

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	Applied Machine Learning in Python	12	3	Coursera	https://www.coursera.org
18					
19	Machine Learning, ML	12	3	COURSERA	https://www.coursera.org
20	Fuzzy Sets, Logic and System Application	12	3	NPTEL	
21	Electronic System for Cancer Diagnostics	12	3	NPTEL	
22	Data Analytics with Python	12	3	NPTEL	
23	Machine Learning	8	2	NPTEL	
24	Real Time Operating System	4	1	NPTEL	
25	Introduction to Machine Learning	12	3	NPTEL	
26	Introduction to Artificial Intelligence	12	3	NPTEL	
27	Embedded System Design with ARM	12	3	NPTEL	
28	Artificial Intelligence: Knowledge Representation and Reasoning	12	3	NPTEL	
29	Deep Learning	12	3	NPTEL	
30	Data Science for Engineers	8	2	NPTEL	
31	Introduction to Internet of Things	12	3	NPTEL	
32	Introduction to Industry 4.0 & Industrial Internet of Things	12	3	NPTEL	

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

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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 Al	8	2	Coursera	https://www.coursera.org
18	Data Science: Statistics and Machine Learning Specialization	12	3	Courera	https://www.coursera.org
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	

MOOCs for Civil Engineering & Civil and Environmental Engineering (2nd to 4th Year)

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No.	Course Name	Duration (Weeks)	Credit	Name of the Moocs websites	Link
1.	Economic Growth and Development	8	2	Swayam	https://swayam.gov.in
2.	Energy Resources, Economics and Environment	12	3	Swayam	https://swayam.gov.in
3.	Quality Design and Control	12	3	Swayam	https://swayam.gov.in
4.	Industrial Automation and Control	12	3	Swayam	https://swayam.gov.in
5.	Characterization of Construction Materials	12	3	Swayam	https://swayam.gov.in
6.	Introduction to Civil Engineering Profession	8	2	Swayam	https://swayam.gov.in
7.	Environmental Geomechanics	12	3	Swayam	https://swayam.gov.in
8.	Modern Construction Materials	12	3	Swayam	https://swayam.gov.in
9.	Fire Protection services and Maintenances Management of Building	12	3	Swayam	https://swayam.gov.in
10	Geotechnical Engineering II Foundation Engineering	12	3	Swayam	https://swayam.gov.in
11	Landscape Architecture and Site Planning- Basic Fundamentals	8	2	Swayam	https://swayam.gov.in

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12.	Introduction to Geographic Information system	4	1	Swayam	https://swayam.gov.in
13.	Structural Dynamics	12	3	Swayam	https://swayam.gov.in
14.	Soil Structure Interaction	12	3	Swayam	https://swayam.gov.in
15.	Water Supply Engineering	12	3	Swayam	https://swayam.gov.in
16.	Geo Spatial Analysis in Urban Planning	4	1	Swayam	https://swayam.gov.in
17.	Maintenance and Repair of Concrete Structure	12	3	Swayam	https://swayam.gov.in
18.	Remote Sensing Essentials	12	3	Swayam	https://swayam.gov.in
19.	Hydraulic Engineering	12	3	Swayam	https://swayam.gov.in
20.	Environmental Remediation of Contaminated Site	12	3	Swayam	https://swayam.gov.in
21.		8	2	Swayam	https://swayam.gov.in
22.	IBM DATA SCIENCE	12	3	Coursera	https://www.coursera.org
26.	Data Analysis and Presentation Skills: the PwC Approach Specialization	12	3	Coursera	https://www.coursera.org
27.	Machine Learning with Python	12	3	Coursera	https://www.coursera.org
28.	Data Processing Using Python	12	3	Coursera	https://www.coursera.org
29.	Advanced Data Science with IBM Specialization	8	2	Coursera	https://www.coursera.org
30.	Data Science: Foundations using R Specialization	12	3	Coursera	https://www.coursera.org
31.	Python for Data Science and Al	8	2	Coursera	https://www.coursera.org
32.	Data Science: Statistics and Machine Learning Specialization	12	3	Courera	https://www.coursera.org
34.	Python and Statistics for Financial Analysis	4	1	Coursera	https://www.coursera.org
35.	Applied Machine Learning in Python	12	3	Coursera	https://www.coursera.org
36.	Machine Learning, ML	12	3	COURSERA	https://www.coursera.org
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	

MOOCs for Chemical Engineering (2nd to 4th Year)

No.	Course Name	Duration (Weeks)	Credit	Name of the Moocs websites	Link
1	Electrochemical Technology in Pollution Control	8	2	Swayam	https://swayam.gov.in

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2	Environmental Quality Monitoring and Analysis	12	3	Swayam	https://swayam.gov.in
3	Optimization in Chemical Engineering	12	3	SWAYAM	https://swayam.gov.in
4	Soft Nano Technology	8	2	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	Sustainable Management of Biodiversity	12	3	Swayam	https://swayam.gov.in
10	Waste to Energy Conversion	8	2	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 Al	8	2	Coursera	https://www.coursera.org
18	Data Science: Statistics and Machine Learning Specialization	12	3	Courera	https://www.coursera.org
19	Python and Statistics for Financial Analysis	4	1	Coursera	https://www.coursera.org
20	Applied Machine Learning in Python	12	3	Coursera	https://www.coursera.org
21	Machine Learning, ML	12	3	COURSERA	https://www.coursera.org
22	Fuzzy Sets, Logic and System Application	12	3	NPTEL	
23	Data Analytics with Python	12	3	NPTEL	
24	Machine Learning	8	2	NPTEL	
25	Introduction to Machine Learning	12	3	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	Electrochemical Technology in Polution Control	8	2	NPTEL	
30	Soft Nano Technology	8	2	NPTEL	
31	Multiphase flows	8	2	NPTEL	
32	Computational Fluid Dynamics	12	3	NPTEL	
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33	Process Control- Design, Analysis and Assessment	12	3	NPTEL	
34	Environmental Quality monitoring & Analysis	12	3	NPTEL	
35	Advanced Thermodynamics	12	3	NPTEL	
36	Optimization in Chemical Engineering	12	3	NPTEL	
37	Computer Aided Applied Single Objective Optimization	8	2	NPTEL	
38	Introduction to Internet of Things	12	3	NPTEL	
39	Introduction to Industry 4.0 & Industrial Internet of Things	12	3	NPTEL	

MOOCS FOR ELECTRONICS AND COMMUNICATION ENGINEERING (2nd to 4th Year)

No.	Course Name	Duration (Weeks)	Credit	Name of the Mooc websites	Link
1.	Programming, Data Structures And Algorithms Using Python	8	2	SWAYAM(NPTEL)	https://swayam.gov.in
2.	An Introduction To Programming Through C++	12	3	SWAYAM(NPTEL)	https://swayam.gov.in
3.	Introduction to Internet of Things	12	3	SWAYAM(NPTEL)	https://swayam.gov.in
4.	Learn Ethical Hacking From Scratch	3	1	UDEMY	https://www.udemy.com
5.	A brief introduction of Micro-Sensors	4	1	SWAYAM(NPTEL)	https://swayam.gov.in
6.	Biomedical Signal Processing	12	3	SWAYAM(NPTEL)	https://swayam.gov.in
7.	Electrical vehicles-I	4	1	SWAYAM(NPTEL)	https://swayam.gov.in
8.	Evolution of Air Interface towards 5G	8	2	SWAYAM(NPTEL)	https://swayam.gov.in
9.	Micro and Nanofabrication (MEMS)	7	2	EDX	https://www.edx.org
10.	The Joy of Computing Using Python	12	3	SWAYAM(NPTEL)	https://swayam.gov.in
14.	Introduction to Machine Learning	12	3	SWAYAM(NPTEL)	https://swayam.gov.in
15.	Linux for Developers	4	1	COURSERA	https://www.coursera.org
16.	Qualitative Research Methods and Research Writing	12	3	SWAYAM(NPTEL)	https://swayam.gov.in
17.	IBM DATA SCIENCE	12	3	Coursera	https://www.coursera.orgl
18.	Data Analysis and Presentation Skills: the PwC Approach Specialization	12	3	Coursera	https://www.coursera.org
19.	Machine Learning with Python	12	3	Coursera	https://www.coursera.org
20.	Data Processing Using Python	12	3	Coursera	https://www.coursera.org
21.	Advanced Data Science with IBM Specialization	8	2	Coursera	https://www.coursera.org
22.	Data Science: Foundations using R Specialization	12	3	Coursera	https://www.coursera.org
23.	Python for Data Science and AI	8	2	Coursera	https://www.coursera.org
24.	Data Science: Statistics and Machine Learning Specialization	12	3	Coursera	https://www.coursera.org
25.	Python and Statistics for Financial Analysis	4	1	Coursera	https://www.coursera.org
26.	Applied Machine Learning in Python	12	3	Coursera	https://www.coursera.org

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27.	Machine Learning, ML	12	3	COURSERA	https://www.coursera.org
28.	Nonlinear Adaptive Control	4	1	NPTEL	
29.	Evolution of Air Interface towards 5G	8	2	NPTEL	
30.	Electronics Equipment Integration and Prototype Building	8	2	NPTEL	
31.	Mathematical Methods and Techniques in Signal Processing	12	3	NPTEL	
32.	Multirate DSP	12	3	NPTEL	
33.	Optical Engineering	12	3	NPTEL	
34.	Electronic Systems for Cancer Diagnostics	12	3	NPTEL	
35.	Analog IC Design	12	3	NPTEL	
36.	Digital IC Design	12	3	NPTEL	
37.	Spread Spectrum Communications and Jamming	12	3	NPTEL	
38.	Statistical Signal Processing	12	3	NPTEL	
39.	Fuzzy sets, Logic and Systems and Applications	12	3	NPTEL	
40.	Medical Image Analysis	4	1	NPTEL	
41.	A brief Introduction to micro sensors	4	1	NPTEL	
42.	Introduction to Internet of Things	12	3	NPTEL	
43.	Introduction to Industry 4.0 & Industrial Internet of Things	12	3	NPTEL	

MOOCS for EE & EEE

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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/

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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	
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	

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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	

MOOCS for FOOD TECHNOLOGY B.TECH (Hons) (2nd to 4th Year) JAN 2020

No	Course name	Duration (weeks)	Credits	Name of the MOOCs websites / Platform
1.	Data Science for Engineers	8	2	Swayam
2.	Introduction to Machine Learning (IITM)	12	3	Swayam
3.	Introduction to the Internet of Things (IoT)	6	2	Edx
4.	Life with Diabetes	5	2	Edx
5.	Nutrition and Health: Food Risks	8	2	Edx
6.	Enhancing Soft Skills and Personality	8	2	Swayam
7.	Nutrition, Heart Disease and Diabetes	5	2	EDx
8.	Science & Cooking: From Haute Cuisine to Soft Matter Science (physics)	16	4	Edx
9.	Sustainable Agrifood Marketing	8	2	Edx
10.	Sustainable Food Security: Food Access	6	2	Edx
11.	Sustainable Food Security: The value of systems thinking	6	2	Edx
12.	Food for Thought	10	3	Edx
13.	IBM DATA SCIENCE	12	3	Coursera
14.	Data Analysis and Presentation Skills: the PwC Approach Specialization	12	3	Coursera
15.	Machine Learning with Python	12	3	Coursera
16.	Data Processing Using Python	12	3	Coursera
17.	Advanced Data Science with IBM Specialization	8	2	Coursera
18.	Data Science: Foundations using R Specialization	12	3	Coursera
	Python for Data Science and AI	8	2	Coursera
20.	Data Science: Statistics and Machine Learning Specialization	12	3	Coursera
21.	Python and Statistics for Financial Analysis	4	1	Coursera
22.	Applied Machine Learning in Python	12	3	Coursera
23.	Machine Learning, ML	12	3	COURSERA
24.	Data Analytics with Python	12	3	NPTEL
25.	Machine Learning	8	2	NPTEL
26.	1	12	3	NPTEL
27.		12	3	NPTEL
28.	Artificial Intelligence: Knowledge Representation and Reasoning	12	3	NPTEL
29.		8	2	NPTEL
30.		8	2	NPTEL
31.	MATLAB Programming for Numerical Computation	8	2	NPTEL
32.	Biostatistics and Design of Experiments	8	2	NPTEL

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33 Computational Systems Biology	12	3	NPTEL
34. Introduction to Internet of Things	12	3	NPTEL
35. Introduction to Industry 4.0 & Industrial Internet of Things	12	3	NPTEL

MOOCs for Bachelor in Hotel Management & Catering Technology (Hons.) 2nd to 4th Year JAN 2020

No	Course name	Duration (weeks)	Credits	MOOCS Platform
1.	Luxury Management	6	2	EDX
2.	Culture of Services: Paradox of Customer Relations	8	2	EDX
3.	Hotel Management: Distribution, Revenue and Demand	4	1	COURSERA
3.	Management	4	1	
4.	Demand and Supply Analytics	12	3	EDX
5.	Hospitality and Tourism Technology and Innovation	6	2	EDX
6.	Managing Human Resources in the Hospitality and Tourism Industry	6	2	EDX
7.	Introduction to Machine Learning (IITM)	12	3	Swayam
8.	Introduction to Internet of Things	12	3	Swayam
9.	Artificial Intelligence (AI)	12	3	Edx
10.	IBM DATA SCIENCE	12	3	Coursera
11.	Data Analysis and Presentation Skills: the PwC Approach Specialization	12	3	Coursera
12.	Machine Learning with Python	12	3	Coursera
13.	Data Processing Using Python	12	3	Coursera
14.	Advanced Data Science with IBM Specialization	8	2	Coursera
15.	Data Science: Foundations using R Specialization	12	3	Coursera
16.	Python for Data Science and AI	8	2	Coursera
17.	Data Science: Statistics and Machine Learning Specialization	12	3	Coursera
18.	Python and Statistics for Financial Analysis	4	1	Coursera
19.	Applied Machine Learning in Python	12	3	Coursera
20.	Machine Learning, ML	12	3	COURSERA
21.	Data Analytics with Python	12	3	NPTEL
22.	Machine Learning	8	2	NPTEL
23.	Introduction to Machine Learning	12	3	NPTEL
24.	An Introduction to Artificial Intelligence	12	3	NPTEL
25.	Artificial Intelligence: Knowledge Representation and Reasoning	12	3	NPTEL
26.	Data Science for Engineers	8	2	NPTEL
27.	Entrepreneurship	12	3	NPTEL
28.	Management of New Products and Services	8	2	NPTEL
29.	Entrepreneurship Essentials	12	3	NPTEL
30.	Introduction to Internet of Things	12	3	NPTEL
31.	Introduction to Industry 4.0 & Industrial Internet of Things	12	3	NPTEL

MOOCS for B.TECH (Hons) LEATHER TECHNOLOGY 2nd to 4th Year JAN 2020

No	Course name	Duration (weeks)	Credits	MOOCS Platform
1	Air Pollution – a Global Threat to our Health	3	1	Coursera
2	Data Science for Engineers	8	2	Swayam

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3	Demand and Supply Analytics	12	3	Edx
4	Programming for the Internet of Things Project	4	1	Coursera
5	Introduction to Internet of Things	12	3	Swayam
6	Artificial Intelligence (AI)	12	3	Edx
7	Principles of Machine Learning: Python Edition	6	2	Edx
8	Machine Learning Fundamentals	10	3	Edx
9	Introduction to the Internet of Things (IoT)	6	2	Edx
10	IBM DATA SCIENCE	12	3	Coursera
11	Data Analysis and Presentation Skills: the PwC Approach Specialization	12	3	Coursera
12	Machine Learning with Python	12	3	Coursera
13	Data Processing Using Python	12	3	Coursera
14	Advanced Data Science with IBM Specialization	8	2	Coursera
15	Data Science: Foundations using R Specialization	12	3	Coursera
16	Python for Data Science and AI	8	2	Coursera
17	Data Science: Statistics and Machine Learning Specialization	12	3	Coursera
18	Python and Statistics for Financial Analysis	4	1	Coursera
19	Applied Machine Learning in Python	12	3	Coursera
20	Machine Learning, ML	12	3	COURSERA
21	Data Analytics with Python	12	3	NPTEL
22	Machine Learning	8	2	NPTEL
23	Introduction to Machine Learning	12	3	NPTEL
24	An Introduction to Artificial Intelligence	12	3	NPTEL
25	Artificial Intelligence: Knowledge Representation and Reasoning	12	3	NPTEL
26	Deep Learning	12	3	NPTEL
27	Data Science for Engineers	8	2	NPTEL
28	Entrepreneurship	12	3	NPTEL
29	Entrepreneurship Essentials	12	3	NPTEL
30	Introduction to Internet of Things	12	3	NPTEL
31	Introduction to Industry 4.0 & Industrial Internet of Things	12	3	NPTEL
32	Footwear Design Course Online: Knowledge- Technique- Freedom	8	2	Shoemakingcourseonli ne.com

MOOCS for MECHANICAL ENGINEERING for B. Tech (Hons) (2nd to 4th Year)Jan 2020

No	Course name	Duration (weeks)	Credits	Name of the Moocs Provider/ Platform
1	Business Analytics & Text Mining Modeling Using R	12	3	Swayam
2	Drones and Autonomous Systems I: Fundamentals	6	2	Edx
3	Entrepreneurship	15	4	Swayam
4	Data Science: Productivity Tools	8	2	Edx
5	Product Design: The Delft Design Approach	7	2	Edx
6	Lean Production	6	2	Edx
7	Data Science for Engineers	8	2	Swayam
8	Introduction to Machine Learning (IITM)	12	3	Swayam
9	Python for Data Science	4	1	Swayam

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10	Introduction to Internet of Things	12	3	Swayam
11	Artificial Intelligence (AI)	12	3	Edx
12	Principles of Machine Learning: Python Edition	6	2	Edx
13	Machine Learning Fundamentals	10	3	Edx
14	Introduction to the Internet of Things (IoT)	6	2	Edx
15	Artificial Intelligence : Knowledge Representation And Reasoning	12	3	Swayam
16	IBM DATA SCIENCE	12	3	Coursera
17	Data Analysis and Presentation Skills: the PwC Approach Specialization	12	3	Coursera
18	Machine Learning with Python	12	3	Coursera
19	Data Processing Using Python	12	3	Coursera
20	Advanced Data Science with IBM Specialization	8	2	Coursera
21	Data Science: Foundations using R Specialization	12	3	Coursera
22	Python for Data Science and AI	8	2	Coursera
23	Data Science: Statistics and Machine Learning Specialization	12	3	Coursera
24	Python and Statistics for Financial Analysis	4	1	Coursera
25	Applied Machine Learning in Python	12	3	Coursera
26	Machine Learning, ML	12	3	COURSERA
27	Inspection and Quality Control in Manufacturing	4	1	NPTEL
28	Machining Science	4	1	NPTEL
29	Failure Analysis and Prevention	8	2	NPTEL
30	Introduction to Soft Matter	8	2	NPTEL
31	Kinematics of Mechanisms and Machines	8	2	NPTEL
32	Modeling and Simulation of Dynamic Systems	8	2	NPTEL
33	Product Design and Manufacturing	12	3	NPTEL
34	Industrial Automation and Control	12	3	NPTEL
35	Applied Ergonomics	12	3	NPTEL
36	Fuzzy Sets, Logic and System Application	12	3	NPTEL
37	Data Analytics with Python	12	3	NPTEL
38	Machine Learning	8	2	NPTEL
39	Introduction to Machine Learning	12	3	NPTEL
40	An Introduction to Artificial Intelligence	12	3	NPTEL
41	Artificial Intelligence: Knowledge Representation and Reasoning	12	3	NPTEL
42	Deep Learning	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.o and Industrial Internet of Things	12	3	NPTEL
46	Introduction to Algorithms and Analysis	12	3	NPTEL

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MOOCS FOR B. Pharm (Hons)

Sl.no	Course Name	Duration (Weeks)	Credit	MOOCs Platform
1.	Fundamentals of Spectroscopy	12	3	SWAYAM
2.	Organometallic Chemistry	4	1	SWAYAM
3.	Biochemistry	12	3	SWAYAM
4.	Principles and application of NMR	8	2	SWAYAM
	spectroscopy			
5.	Medical Biomaterials	8	2	SWAYAM
6.	Computational systems Biology	12	3	SWAYAM
7.	Bioengineering: An interface with biology and medicine	8	2	SWAYAM
8.	Bio-informatics: Algorithms and application	12	3	SWAYAM
9.	Medical Biomaterials	8	2	SWAYAM
10.	Mass transfer operation-I	12	2	SWAYAM
11.	Soft nano technology	8	2	SWAYAM
12.	Enhancing soft skills and personality	8	2	SWAYAM
13.	Soft skill development	8	2	SWAYAM
14.	Introduction to materials Science and Engineering	12	3	SWAYAM
15.	Statistical Inference	8	2	SWAYAM
16.	Regulatory requirements for medical device	4	3	SWAYAM
17.	Business statistics	12	3	SWAYAM
18.	Business analysis and data mining modelling using R	12	3	SWAYAM
19.	Basic Real analysis	12	3	SWAYAM
20.	Prescription Drug Regulation, Cost, and Access: Current Controversies in Context	8	2	Edx
21.	Medicinal Chemistry: The Molecular Basis of Drug Discovery	7	2	Edx
22.	Human Anatomy	6	2	Edx
23.	Principle of Biochemistry	15	4	Edx
24.	Health Informatics: The Cutting Edge	5	2	Edx
25.	CERTaIN: Pragmatic Clinical Trials and Healthcare Delivery Evaluations	8	2	Edx
26.	Molecular Biology - Part 1: DNA Replication and Repair	8	2	Edx
27.	Molecular Biology - Part 2: Transcription and Transposition	7	2	Edx
28.	Proteins: Biology's Workforce	5	2	Edx
29.	Autophagy: Research behind the 2016 Nobel Prize in Physiology or Medicine	3	1	Edx
30.	The Immune System: New Developments in Research - Part 1	4	1	Edx
31.	Metabolomics in Life Sciences	4	1	Edx
32.	BioStatistics	8	2	Edx
33	IBM DATA SCIENCE	12	3	Coursera

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34	Data Analysis and Presentation Skills: the	12	3	Coursera
	PwC Approach Specialization			
35	Machine Learning with Python	12	3	Coursera
36	Data Processing Using Python	12	3	Coursera
37	Advanced Data Science with IBM	8	2	Coursera
	Specialization			
38	Data Science: Foundations using R	12	3	Coursera
	Specialization			
39	Python for Data Science and AI	8	2	Coursera
40	Data Science: Statistics and Machine Learning	12	3	Coursera
	Specialization			
41	Python and Statistics for Financial Analysis	4	1	Coursera
42	Applied Machine Learning in Python	12	4	Coursera
43	Machine Learning, ML	12	4	COURSERA
44	Data Analytics with Python	12	3	NPTEL
45	Machine Learning	8	2	NPTEL
46	Introduction to Machine Learning	12	3	NPTEL
47	An Introduction to Artificial Intelligence	12	3	NPTEL
48	Data Science for Engineers	8	2	NPTEL
49	Introduction to Internet of Things	12	3	NPTEL
50	Introduction to Industry 4.0 & Industrial Internet of Things	12	3	NPTEL

MOOCS for B.TECH (Hons) in Textile Technology & APM 2nd to 4th Year JAN 20

No	Course name	Duration (weeks)	Credits	MOOCs Platform
1	Testing of Functional and Technical Textiles	8	2	Swayam
2	Data Science for Engineers	8	2	Swayam
3	Advanced Textile Printing Technology	8	2	Swayam
4	Introduction to the Internet of Things (IoT)	6	2	Edx
5	Marketing Analytics	12	3	Swayam
6	Artificial Intelligence (AI)	12	3	Edx
7	Evaluation of Textiles Materials	12	3	Swayam
8	Machine Learning Fundamentals	10	3	Edx
9	Supply Chain Management	15	4	Swayam
10	IBM DATA SCIENCE	12	3	Coursera
11	Data Analysis and Presentation Skills: the PwC Approach Specialization	12	3	Coursera
12	Machine Learning with Python	12	3	Coursera
13	Data Processing Using Python	12	3	Coursera
14	Advanced Data Science with IBM Specialization	8	2	Coursera
15	Data Science: Foundations using R Specialization	12	3	Coursera
16	Python for Data Science and AI	8	2	Coursera
17	Data Science: Statistics and Machine Learning Specialization	12	3	Coursera
18	Python and Statistics for Financial Analysis	4	1	Coursera
19	Applied Machine Learning in Python	12	3	Coursera
20	Machine Learning, ML	12	3	COURSERA

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21	Fuzzy Set, Logic and System Application	12	3	NPTEL
22	Data Analytics with Python	12	3	NPTEL
23	Machine Learning	8	2	NPTEL
24	Introduction to Machine Learning	12	3	NPTEL
25	An Introduction to Artificial Intelligence	12	3	NPTEL
26	Data Science for Engineers	8	2	NPTEL
27	An Advanced Textile Printing Technology	4	1	NPTEL
28	Testing of Functional and Technical Textile	4	1	NPTEL
29	Evaluation of Textile Materials	12	3	NPTEL
30	Textured Yarn Technology	12	3	NPTEL
31	Entrepreneurship Essentials	12	3	NPTEL
32	Introduction to Internet of Things	12	3	NPTEL
33	Introduction to Industry 4.o and Industrial Internet of Things	12	3	NPTEL

MOOCs for BTECH (Hons) Automobile Engineering 2nd to 4th Year Jan 2020

No.	Course Name	Duration (Weeks)	Credit	MOOCS Platform
1.	Control of Nonlinear Spacecraft Attitude Motion	4	1	Coursera
2.	Introduction to Self Driving Cars	7	2	Coursera
3.	Robotics: aerial robotics	11	3	Coursera
4.	Electric Vehicles	4	1	Swayam
5.	Programming for Internet of Things Project	4	1	Coursera
6.	Micro and Nanofabrication(MEMS)	7	2	EDx
7.	Introduction to Predictive Analytics using Python	6	2	EDx
8.	Electric and Conventional Vehicles	6	2	EDx
9.	Introduction to Machine Learning	12	3	Swayam
10.	Data Science for Engineers	8	2	Swayam
11.	Introduction to Internet of Things	12	3	Swayam
12.	Artificial Intelligence: Knowledge representation and reasoning	12	3	Swayam
13.	Machine Learning, ML	8	2	Swayam
14.	Electric and Conventional Vehicle	6	2	EDx
15.	Road Traffic Safety in Automative Engineering	7	2	EDx
16.	Hybrid Vehicles	6	2	EDx
17.	IBM DATA SCIENCE	12	3	Coursera

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18.	Data Analysis and Presentation Skills: the PwC Approach Specialization	12	3	Coursera
19.	Machine Learning with Python	12	3	Coursera
20	Data Analysis and Presentation Skills: the PwC Approach Specialization	12	3	Coursera
21	Machine Learning with Python	12	3	Coursera
22	Data Processing Using Python	12	3	Coursera
23	Advanced Data Science with IBM Specialization	8	2	Coursera
24	Data Science: Foundations using R Specialization	12	3	Coursera
25	Python for Data Science and Al	8	2	Coursera
26	Data Science: Statistics and Machine Learning Specialization	12	3	Courera
27	Python and Statistics for Financial Analysis	4	1	Coursera
28	Applied Machine Learning in Python	12	3	Coursera
29	Machine Learning, ML	12	3	COURSERA
30	Data Analytics with Python	12	3	NPTEL
31	Machine Learning	8	2	NPTEL
32	Introduction to Machine Learning	12	3	NPTEL
33	An Introduction to Artificial Intelligence	12	3	NPTEL
34	Artificial Intelligence: Knowledge Representation and Reasoning	12	3	NPTEL
35	Deep Learning	12	3	NPTEL
36	Data Science for Engineers	8	2	NPTEL
37	Electric Vehicles – Part 1	4	1	NPTEL
39	Embedded System Design with ARM	8	2	NPTEL
40	A brief introduction to micro sensors	4	1	NPTEL
41	High Power Multilevel Converters – Analysis, Design and Operational issues	12	3	NPTEL
42	Introduction to Internet of Things	12	3	NPTEL
43	Introduction to Industry 4.o and Industrial Internet of Things	12	3	NPTEL

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MOOCs For B.TECH (Hons.) CSE/IT 2nd to 4th Year JAN 2020

No	Basket of Courses	Duration	Credit	Offered by
1.	AP Computer Science A: Java Programming Polymorphism and Advanced Data Structures	6 weeks	2	edX
2.	Build your very first iOS app	8 weeks	3	edX
3.	Gameplay Programming for Video Game Designers	5 weeks	2	edX
4.	Introduction to Computer Science & Programming Specialization	8 weeks	3	Coursera
5.	Introduction to scripting in Python	8 weeks	3	Coursera
6.	Foundation of Data Structures	6 weeks	2	edX
7.	Synthesis of Digital Systems	12 weeks	3	MIT online course
8.	Bayesian Statistics: Techniques and Models	5 weeks	2	Coursera
9.	Mathematical Modelling Basics	9 weeks	3	edX
10.	Animation and CGI Motion	12 weeks	3	edX
11.	Web Application Development	6 weeks	2	Coursera
12.	Web Design for Everybody Specialization	12 weeks	3	Coursera
13.	The Bits and Bytes of Computer Networking	4 weeks	1	Coursera
14.	Introduction to Cisco Networking	4 weeks	1	Coursera
15.	Introduction to Computing for Data Analysis with Python	6 weeks	2	edX
16.	Introduction to data science in python	3 weeks	1	Coursera
17.	What is Data Science?	3 weeks	1	Coursera
18.	Introduction to Big Data	3 weeks	1	Cousera
19.	The Data Science Tool Box	2 weeks	1	Cousera
20.	Data Driven Decision Making	2weeks	1	Cousera
21.	A Crash Course in Data Science	1weeks	1	Cousera
22.	Digital Security and Human Rights	3 weeks	1	edX
23.	Data Analysis and Presentation Skills: the PWC approach Specialization	12 weeks	3	Cousera
24.	Introduction to Design Thinking	5 weeks	2	edx
	Introduction to Soft Computing	8 weeks	2	SWAYAM
26.	Introduction to Data Modelling	4 weeks	1	edX
27.	Java Fundamentals for Android Development	6 weeks	2	edX
28.	Using Databases with Python	5 weeks	2	Coursera
29.	Data Base Management System	8 weeks	2	NPTEL
30.	Discrete Mathematics	12 Weeks	3	NPTEL
31.	Programming, Data Structures and Algorithms using Python	8 weeks	2	NPTEL
32.	Design and Analysis of Algorithms	8 weeks	2	NPTEL
33.	Algorithm Specialization	16 weeks	4	Coursera
34.	Divide and conquer ,Sorting, Searching and Randomized Algorithm	4weeks	1	Coursera
35.	Cloud Computing	8 weeks	2	NPTEL
36.	Cloud Computing	5 weeks	2	Coursera

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37.	Bitcoin and Cryptocurrency Technologies	11 weeks	3	Coursera
38.	Ethical Hacking	8 weeks	2	Udemy
39.	Cybersecurity and its 10 domains	7 weeks	2	Coursera
40.	Introduction to Internet of Things	12Weeks	3	NPTEL
41.	Introduction to the Internet of Things	6 weeks	2	edX
42.	IoT Programming and Big Data	5 weeks	2	edX
43.	Data Communications and Network Services	4 weeks	1	Coursera
44.	UML Class Diagrams for Software Engineering	3 weeks	1	edX
45.	Formal Software Verification	8 weeks	2	edX
46.	Software testing	12 weeks	3	Coursera
47.	Software Project Management	12 weeks	3	
48.	Software Engineering	12 weeks	3	edx
49.	Software Product Management Specialization	16 weeks	4	Coursera
50.	Entrepreneurship in Emerging Economies	6 weeks	2	edX
51.	Patent Drafting for Beginners	4 weeks	1	
52.	Patent Law for Engineers and Scientists	12 weeks	3	
53.	Introduction to Computational Thinking and Data Science	10 weeks	3	edX
54.	Data Mining: Theories and Algorithms for Big Data	14 weeks	4	edX
55.	Big Data Fundamentals	10 weeks	3	edX
56.	Big Data Analytics	10 weeks	3	edX
57.	Foundations of Data Science: Computational Thinking with Python	5 weeks	2	edX
58.	How to win a Datascience Competition:	5weeks	2	Coursera
59.	Learn from Top Kagglers Virtual Reality	4 weeks	1	Coursera
60.	Principles of Machine Learning	6 weeks	2	edX
61.	Machine Learning	12 weeks	4	Coursera
62.	AI For Everyone	4 weeks	1	Coursera
63.	Robotics: Aerial Robotics	6 weeks	2	Coursera
64.	Deep learning in Computer Vision	5weeks	2	Coursera
65. 66.	Deep Learning – Part 1 Artificial Intelligence Search Methods	12 weeks	3	Coursera
00.	For Problem Solving	12 weeks	3	Coursera
67.	Machine Learning for Engineering and Science Applications	12 weeks	3	
68.	Computer Vision	12 weeks	3	Edx
69.	Introduction to Machine Learning	12 weeks	3	Coursera
70.	Introduction to Machine Learning	8 weeks	2	Coursera
71.	Functional Programming in Scala	6 weeks	2	Coursera
72.	Using python to access web data	6 weeks	2	Coursera
73.	Python Data Structures	2weeks	1	Coursera
74.	Object oriented analysis and design	8 weeks	2	coursera
75.	Python 3 Programming Specialization	8 weeks	2	Cousera
76.	Natural Language Processing	5 weeks	2	Coursera
77.	Applied Natural Language Processing	12 weeks	3	Edx
78.	Natural Language Processing	12 weeks	3	Edx
-	Embedded Systems	12 weeks	3	NPTEL
80.	Introduction to Industry 4.0 and Industrial Internet of Things	12Weeks	3	NPTEL

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81.	A System View of Communications: From Signals to Packets (Part 2)	6 weeks	2	edX
82.	Software Testing fundamentals	8	2	edX
83.	Software Testing and Management	8	2	edX
84.	Neural Network & Deep Learning	4	1	Coursera
85.	Teamwork and Collaboration	3	1	edX
86.	Demystifying Networking	4	1	
87.	Cyber security and Privacy in the IoT	5	2	
88.	IoT System Design: Software and Hardware Integration	4	1	edX
89.	Blockchain and Fin Tech: Basics, Applications, and Limitations	6	2	edX
90.	Block Chain Specialization	8	2	
91.	A System View of Communications: From Signals to Packets (Part 3)	5	2	edX
92.	Internet of Things	12	3	NPTEL
93.		6	2	edX
94.	Mathematics For Machine Learning: Multivariate Calculas	6	2	Coursera
95.	Becoming an Entrepreneur	6	2	edX
96.	Marketing Fundamentals	4	1	edX
97.	IBM Data Science Professional Certificate	8	2	Cousera
98.	Data Science with Python	10	3	edX
99.	Artificial Intelligence	12	3	NPTEL
100.	Foundations of Data Science: Prediction and MachineLearning	6	2	edX
101	. Robotics: Vision Intelligence & Machine Learning	12	3	edX
102	Deep Learning Specialization	12	3	Cousera
	. Machine learning with Tensor Flow on Google Cloud Platform Specialization	4	1	Cousera
104	Applied Machine Learning with Python	3	1	
	. Convolution Neural Network	4	1	Cousera
	Sequence Model	2	1	Cousera
	Deep Learning	6	2	edX
	Deep Learning	12	3	NPTEL
	Reinforcement Learning	12	3	Edx
	Neural Networks for Machine Learning	16	4	Coursera
	Cloud Computing for Enterprises	8	2	edX
	Cloud Computing Management	8	2	edX
	Cloud Computing Infrastructure	8	2	edX
114	Data Engineering on Google Cloud Platform Specialization	4	1	Coursera
	Security in Google Cloud Platform Specialization	4	1	Coursera
115.				

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117.	Google cloud Platform Big data and Machine Learning Platform	2	1	Coursera
118.	Remote Sensing	12	3	
119.	Remote Sensing and Digital Image Processing of Satellite Data	8	2	NPTEL
	Leadership for Engineers	6	2	edX
121.	Computer Forensics	8	2	edX
	Compliance in Office 365: Data Governance	4	1	edX
123.	Human Computer Interactions	8	2	edx
124.	Social Networks	12	3	NPTEL
125.	Fuzzy Sets, Logic and System Application	12	3	NPTEL
126.	Electronic Systems for Cancer Diagnostics	12	3	NPTEL
127.	Data Analytics with Python	12	3	NPTEL
128.	Optical Engineering	12	3	NPTEL
129.	Machine Learning	8	2	NPTEL
130.	Introduction to Machine Learning	12	3	NPTEL
131.	An Introduction to Artificial Intelligence	12	3	NPTEL
132.	Artificial Intelligence: Knowledge Representation and Reasoning	12	3	NPTEL
133.	Deep Learning	12	3	NPTEL
134.	Data Science for Engineers	8	2	NPTEL
135.	Embedded Systems Design	12	3	NPTEL
136.	Introduction to Internet of Things	12	3	NPTEL
137.	Introduction to Industry 4.0 and Industrial Internet of Things	12	3	NPTEL
138.	Introduction to Block Chain Technology and Applications	8	2	NPTEL
139.	User-Centric Computing for Human-Computer Interaction	8	2	NPTEL
140.	Reinforcement Learning	12	3	NPTEL
141.	VLSI Physical Design	12	3	NPTEL
142.	Randomized Algorithms	12	3	NPTEL
143.	Embedded System Design with ARM	8	2	NPTEL