List of MOOC Courses approved for B.Tech Honours (2015 Regulations)

SL. No	Course Name	Course Code	Course Type	Regulation	Course Institution
APPLIED ELECTRONICS & INSTRUMENTATION/ / ELECTRONICS & INSTRUMENTATION					
1	Introduction to Internet of Things	OCAE01	MOOC	B.Tech Regulation 2015	IITKGP
2	Deep Learning	OCAE02	MOOC	B.Tech Regulation 2015	IITKGP
3	Fuzzy Sets, Logic and Systems and Applications	OCAE03	MOOC	B.Tech Regulation 2015	IITK
4	Introduction to Machine Learning	OCAE04	MOOC	B.Tech Regulation 2015	IITM
5	Semiconductor devices and Circuits	OCAE05	MOOC	B.Tech Regulation 2015	IISc
6	Programming in Java	OCAE06	MOOC	B.Tech Regulation 2015	IITKGP
7	Introduction to Industry 4.0 and Industrial Internet of things	OCAE07	MOOC	B.Tech Regulation 2015	IITKGP
8	Introduction to robotics	OCAE08	MOOC	B.Tech Regulation 2015	IITM
9	Introduction to Fuzzy Set Theory, Arithmetic and Logic	OCAE09	MOOC	B.Tech Regulation 2015	IITD
10	Remote Sensing: Principles and Application	OCAE10	MOOC	B.Tech Regulation 2015	IIT Bombay
AERONAUTICAL ENGINEERING					
1	Introduction to Air-Breathing propulsion	OCAO01	MOOC	B.Tech Regulation 2015	IITK
2	Introduction to CFD	OCAO02	MOOC	B.Tech Regulation 2015	IITKGP
BIOMEDICAL ENGINEERING					
1	Introduction to Biomedical Imaging	OCBM01	MOOC	B.Tech Regulation 2015	The University of Queensland
2	Biomedical Signal processing	OCBM02	MOOC	B.Tech Regulation 2015	IITKGP
3	Electronic Systems for Cancer Diagnosis	OCBM03	MOOC	B.Tech Regulation 2015	IISc
4	Bio-Informatics:Algorithms and Applications	OCBM04	MOOC	B.Tech Regulation 2015	IITM
5	Computational Systems Biology	OCBM05	MOOC	B.Tech Regulation 2015	IITM
6	Thermodynamics for Biological Systems: Classical and Statistical Aspects	OCBM06	MOOC	B.Tech Regulation 2015	IITM
7	Neuroscience of Human Movements	OCBM07	MOOC	B.Tech Regulation 2015	IITM
8	Optical Spectroscopy and Microscopy: Fundamentals of optical measurements and instrumentation	OCBM08	MOOC	B.Tech Regulation 2015	IISc
9	Applied Ergonomics	OCBM09	MOOC	B.Tech Regulation 2015	IITK
10	Introduction to Internet of things	OCBM10	MOOC	B.Tech Regulation 2015	IITKGP
11	Immunology	OCBM11	MOOC	B.Tech Regulation 2015	IITKGP
BIOTECHNOLOGY ENGINEERING					
1	Drug Delivery: Principles and Engineering	OCBT01	MOOC	B.Tech Regulation 2015	IISc
2	Environmental Chemistry	OCBT02	MOOC	B.Tech Regulation 2015	IITR
3	Environmental Studies	OCBT03	MOOC	B.Tech Regulation 2015	DAVV Indore
4	Immunology	OCBT04	MOOC	B.Tech Regulation 2015	IITKGP
5	Integrated Waste Management for a Smart City	OCBT05	MOOC	B.Tech Regulation 2015	IITKGP
6	Municipal Solid Waste Management	OCBT06	MOOC	B.Tech Regulation 2015	IITG
7	Introduction to Chemical Thermodynamics and Kinetics	OCBT07	MOOC	B.Tech Regulation 2015	IISER Mohali
8	Introduction To Proteomics	OCBT08	MOOC	B.Tech Regulation 2015	IITM
9	Applied Environmental Microbiology	OCBT09	MOOC	B.Tech Regulation 2015	IITR
10	Advanced Chemical Thermodynamics and Kinetics	OCBT10	MOOC	B.Tech Regulation 2015	IISER Mohali

11	Advanced Thermodynamics	OCBT11	MOOC	B.Tech Regulation 2015	IITG
12	Applied Environmental Microbiology	OCBT13	MOOC	B.Tech Regulation 2015	IITR
13	Basic Principles and calculations in chemical Engineering	OCBT14	MOOC	B.Tech Regulation 2015	IITG
14	Chemical Principles II	OCBT15	MOOC	B.Tech Regulation 2015	IISER Pune
15	Bioinformatics: Algorithms and Applications	OCBT16	MOOC	B.Tech Regulation 2015	IITM
16	Chemical Reaction Engineering-II	OCBT17	MOOC	B.Tech Regulation 2015	IITB
17	Computational Fluid Dynamics	OCBT18	MOOC	B.Tech Regulation 2015	IITM
18	English language for competitive exams	OCBT19	MOOC	B.Tech Regulation 2015	IITM
19	Entrepreneurship essentials	OCBT20	MOOC	B.Tech Regulation 2015	IITKGP
20	Entrepreneurship	OCBT21	MOOC	B.Tech Regulation 2015	IITM
21	Environmental quality monitoring and analysis	OCBT22	MOOC	B.Tech Regulation 2015	IITM
22	Environmental remediation of contaminated sites	OCBT23	MOOC	B.Tech Regulation 2015	IITR
23	Essentials of biomolecules - nucleic acids and peptides	OCBT24	MOOC	B.Tech Regulation 2015	IITG
24	Forests and their management	OCBT25	MOOC	B.Tech Regulation 2015	IITK
25	Fundamentals of spectroscopy	OCBT26	MOOC	B.Tech Regulation 2015	IISER Pune
26	Heat Transfer	OCBT27	MOOC	B.Tech Regulation 2015	IITKGP
27	Intellectual Property	OCBT28	MOOC	B.Tech Regulation 2015	IITM
28	Interactomics Basics and Applications	OCBT29	MOOC	B.Tech Regulation 2015	IITB
29	Introduction to Internet of Things	OCBT30	MOOC	B.Tech Regulation 2015	IITKGP
30	Mass transfer operations-I	OCBT31	MOOC	B.Tech Regulation 2015	IITG
31	Material and Energy Balances	OCBT32	MOOC	B.Tech Regulation 2015	IITM
32	Mathematical methods and its applications	OCBT33	MOOC	B.Tech Regulation 2015	IITR
33	Medicinal chemistry	OCBT34	MOOC	B.Tech Regulation 2015	IISER Pune
34	Membrane Technology	OCBT35	MOOC	B.Tech Regulation 2015	IITG
35	Non-conventional energy resources	OCBT36	MOOC	B.Tech Regulation 2015	IITM
36	Optical Spectroscopy and Microscopy: Fundamentals of Optical measuremnts and instumentation.	OCBT37	MOOC	B.Tech Regulation 2015	IISc
37	Optimization in Chemical Engineering	OCBT38	MOOC	B.Tech Regulation 2015	IITKGP
38	Patent law for engineers and scientists	OCBT39	MOOC	B.Tech Regulation 2015	IITM
39	Problem solving through programming in C	OCBT40	MOOC	B.Tech Regulation 2015	IITKGP
40	Process Control- Design, analysis and assessment	OCBT41	MOOC	B.Tech Regulation 2015	IITM
41	Programming in Java	OCBT42	MOOC	B.Tech Regulation 2015	IITKGP
42	Quantitative methods in chemistry	OCBT43	MOOC	B.Tech Regulation 2015	IISER Bhopal
43	The joy of computing using Python	OCBT44	MOOC	B.Tech Regulation 2015	IITRPR
44	Thermodynamics for Biological system Classical and statistical aspect	OCBT45	MOOC	B.Tech Regulation 2015	IITM
45	Thermodynamics	OCBT46	MOOC	B.Tech Regulation 2015	IITM
46	Transition metal organometallics in catalysis and biology	OCBT47	MOOC	B.Tech Regulation 2015	IITB
47	Transport phenomena	OCBT48	MOOC	B.Tech Regulation 2015	IITKGP
48	Transport Processes I: Heat and Mass Transfer	OCBT49	MOOC	B.Tech Regulation 2015	IISc
49	Ultrafast laser spectroscopy	OCBT50	MOOC	B.Tech Regulation 2015	IITB
50	Computational Systems Biology	OCBT51	MOOC	B.Tech Regulation 2015	IITM
51	Energy resources, economics and environment	OCBT52	MOOC	B.Tech Regulation 2015	IITB
52	Environmental Soil Chemistry	OCBT53	MOOC	B.Tech Regulation 2015	IITKGP
53	Fundamentals of spectroscopy	OCBT54	MOOC	B.Tech Regulation 2015	NCL Pune
54	The joy of computing using Python	OCBT55	MOOC	B.Tech Regulation 2015	IIT Dharwad

55	Industrial Biotechnology	OCBT56	MOOC	B.Tech Regulation 2015	IITKGP
56	Principles Of Downstream Techniques In Bioprocess	OCBT57	MOOC	B.Tech Regulation 2015	IIT Madras

CIVIL ENGINEERING

1	Applied Environmental Microbiology	OCCE01	MOOC	B.Tech Regulation 2015	IITR
2	Energy Efficiency, Acoustics and daylighting in Building	OCCE04	MOOC	B.Tech Regulation 2015	IITD
3	Geo-Environmental Engineering	OCCE05	MOOC	B.Tech Regulation 2015	IITG
4	Glass in Buildings-Design and Applications	OCCE06	MOOC	B.Tech Regulation 2015	IITM
5	Higher Surveying	OCCE07	MOOC	B.Tech Regulation 2015	IITG
6	Integrated Waste Management for a Smart City	OCCE08	MOOC	B.Tech Regulation 2015	IITKGP
7	Modern Construction Materials	OCCE09	MOOC	B.Tech Regulation 2015	IITM
8	Geosynthetics and Reinforced Soil Structures	OCCE10	MOOC	B.Tech Regulation 2015	IITM
9	Energy Efficiency, Acoustics and daylighting in Building	OCCE11	MOOC	B.Tech Regulation 2015	IITM
10	Geoenvironmental Engineering(Environmental Geotechnology)Landfils,Slurry Ponds Contaminated Sites	OCCE12	MOOC	B.Tech Regulation 2015	IITM
11	Infrastructure Planning and Management	OCCE13	MOOC	B.Tech Regulation 2015	IITM
12	Foundation Engineering	OCCE14	MOOC	B.Tech Regulation 2015	IITKGP
13	Fire Protection,Services,Maintenance,Management of Building	OCCE15	MOOC	B.Tech Regulation 2015	IITD
14	Fire Protection,Services,Maintenance,Management of Building	OCCE16	MOOC	B.Tech Regulation 2015	IITM
15	Environmental Remediation of Contaminated Sites	OCCE17	MOOC	B.Tech Regulation 2015	IITD
16	Maintenance and Repair of Concrete Structures	OCCE18	MOOC	B.Tech Regulation 2015	IITM
17	Environmental Geomechanics	OCCE19	MOOC	B.Tech Regulation 2015	IITB
18	Hydraulic Engineering	OCCE20	MOOC	B.Tech Regulation 2015	IITKGP
19	Glass Processing Technology	OCCE21	MOOC	B.Tech Regulation 2015	IITR
20	Remote Sensing: Principles and Applications	OCCE22	MOOC	B.Tech Regulation 2015	IITB
21	Urban Transportation Systems Planning	OCCE23	MOOC	B.Tech Regulation 2015	IITKGP
22	Rock Engineering	OCCE24	MOOC	B.Tech Regulation 2015	IITR
23	Soil Structure Interaction	OCCE25	MOOC	B.Tech Regulation 2015	IITKGP
24	Municipal Solid waste Management	OCCE26	MOOC	B.Tech Regulation 2015	IITG
25	Computational Hydraulics	OCCE27	MOOC	B.Tech Regulation 2015	IITKGP
26	Advanced Foundation Engineering	OCCE28	MOOC	B.Tech Regulation 2015	IITKGP
27	Advanced Soil Mechanics	OCCE29	MOOC	B.Tech Regulation 2015	IITG
28	Applied Environmental Microbiology	OCCE30	MOOC	B.Tech Regulation 2015	IITR
29	Basics of Remote sensing, GIS & GNSS technology and their applications	OCCE31	MOOC	B.Tech Regulation 2015	IIRS
30	Environmental Chemistry and Microbiology	OCCE32	MOOC	B.Tech Regulation 2015	IITKGP
31	Environmental Remediation of Contaminated Sites	OCCE33	MOOC	B.Tech Regulation 2015	IITR
32	Mechanical Characterization of Bituminous Materials	OCCE34	MOOC	B.Tech Regulation 2015	IITM
33	Geo Morphology	OCCE35	MOOC	B.Tech Regulation 2015	IITR

CHEMICAL ENGINEERING

1	Heat Transfer	OCCH01	MOOC	B.Tech Regulation 2015	IITB
2	Chemical Process Instrumentation	OCCH02	MOOC	B.Tech Regulation 2015	IITKGP
3	Fluidization Engineering	OCCH03	MOOC	B.Tech Regulation 2015	IITG
4	Transport Processes I: Heat and Mass Transfer	OCCH04	MOOC	B.Tech Regulation 2015	IISc
5	Applied Time-Series Analysis	OCCH05	MOOC	B.Tech Regulation 2015	IITM
6	Introduction to CFD	OCCH06	MOOC	B.Tech Regulation 2015	IITKGP

7	Fundamentals of Food Process Engineering	OCCH07	MOOC	B.Tech Regulation 2015	IITKGP
8	Dairy and Food process and products technology	OCCH08	MOOC	B.Tech Regulation 2015	IITKGP
9	Thermal Operations in Food Process Engineering: Theory and Applications	OCCH09	MOOC	B.Tech Regulation 2015	IITKGP
10	Thermal Processing of Foods	OCCH10	MOOC	B.Tech Regulation 2015	IITG
11	Industrial Biotechnology	OCCH11	MOOC	B.Tech Regulation 2015	IITKGP
12	Drug Delivery: Principles and Engineering	OCCH12	MOOC	B.Tech Regulation 2015	IISc
13	Principles Of Downstream Techniques In Bioprocess	OCCH13	MOOC	B.Tech Regulation 2015	IITM
14	Chemical Process Intensification	OCCH14	MOOC	B.Tech Regulation 2015	IITG
15	Fluidization Engineering	OCCH15	MOOC	B.Tech Regulation 2015	IITG
16	Polymers: concepts, properties, uses and sustainability	OCCH16	MOOC	B.Tech Regulation 2015	IITM
17	Technologies For Clean And Renewable Energy Production	OCCH17	MOOC	B.Tech Regulation 2015	IITR
18	Wastewater Treatment and Recycling	OCCH18	MOOC	B.Tech Regulation 2015	IITKGP
19	Municipal Solid Waste Management	OCCH19	MOOC	B.Tech Regulation 2015	IITG
20	Scientific Computing using Matlab	OCCH20	MOOC	B.Tech Regulation 2015	IITD
21	Basics of Materials Engineering	OCCH21	MOOC	B.Tech Regulation 2015	IITM
22	Introduction to Composites	OCCH22	MOOC	B.Tech Regulation 2015	IITK
23	Advanced Materials and Processes	OCCH23	MOOC	B.Tech Regulation 2015	IITKGP
24	Numerical Methods for Engineers	OCCH24	MOOC	B.Tech Regulation 2015	IITM
25	Material and Energy Balances	OCCH25	MOOC	B.Tech Regulation 2015	IITM
26	Optimization in Chemical Engineering	OCCH26	MOOC	B.Tech Regulation 2015	IITKGP
27	Process Control - Design, Analysis and Assessment	OCCH27	MOOC	B.Tech Regulation 2015	IITM
28	Computational Fluid Dynamics	OCCH28	MOOC	B.Tech Regulation 2015	IITM
29	Material Characterization	OCCH29	MOOC	B.Tech Regulation 2015	IITM
30	Carbon Materials and Manufacturing	OCCH30	MOOC	B.Tech Regulation 2015	IIT Mandi
31	Non-Conventional Energy Resources	OCCH31	MOOC	B.Tech Regulation 2015	IITM
32	LNG UPSTREAM TECHNOLOGY	OCCH32	MOOC	B.Tech Regulation 2015	IITKGP
33	Process Optimization in Chemical Engineering	OCCH33	MOOC	B.Tech Regulation 2015	IITKGP
34	Environmental Quality Monitoring and Analysis	OCCH34	MOOC	B.Tech Regulation 2015	IITM
35	Chemical Process Safety	OCCH35	MOOC	B.Tech Regulation 2015	IITR
36	Polymer Reaction Engineering	OCCH36	MOOC	B.Tech Regulation 2015	IITR
COMPUTER SCIENCE AND ENGINEERING					
1	Foundations to Computer systems Design	OCCS01	MOOC	B.Tech Regulation 2015	IITM
2	Computer Organization and Architecture: A Pedagogical Aspect	OCCS02	MOOC	B.Tech Regulation 2015	IITG
3	Discrete Mathematics	OCCS03	MOOC	B.Tech Regulation 2015	IITRPR
4	Problem solving through Programming in C	OCCS04	MOOC	B.Tech Regulation 2015	IITKGP
5	Programming in Java	OCCS05	MOOC	B.Tech Regulation 2015	IITKGP
6	Joy of Computing using Python	OCCS06	MOOC	B.Tech Regulation 2015	IITRPR
7	Cryptography and Network Security	OCCS07	MOOC	B.Tech Regulation 2015	IITKGP
8	Introduction to Internet of Things	OCCS08	MOOC	B.Tech Regulation 2015	IITKGP
9	Introduction to Industry 4.0 and Industrial Internet of Things	OCCS09	MOOC	B.Tech Regulation 2015	IITKGP
10	Machine Learning for Engineering and Science Applications	OCCS10	MOOC	B.Tech Regulation 2015	IITM
11	AI:Knowledge Representation and Reasoning	OCCS11	MOOC	B.Tech Regulation 2015	IITM
12	Blockchain Architecture Design and Use Cases	OCCS12	MOOC	B.Tech Regulation 2015	IITKGP
13	Social Networks	OCCS13	MOOC	B.Tech Regulation 2015	IITRPR
14	Embedded Systems Design	OCCS14	MOOC	B.Tech Regulation 2015	IITKGP

15	VLSI Physical Design	OCCS15	MOOC	B.Tech Regulation 2015	IITKGP
16	Synthesis of Digital Systems	OCCS16	MOOC	B.Tech Regulation 2015	IITD
17	Introduction to Machine Learning	OCCS17	MOOC	B.Tech Regulation 2015	IITM
18	Reinforcement Learning	OCCS18	MOOC	B.Tech Regulation 2015	IITM
19	Joy of Computing using Python	OCCS19	MOOC	B.Tech Regulation 2015	IITM
20	Developing Android Apps with App Inventor	OCCS20	MOOC	B.Tech Regulation 2015	HKUST
21	Social Networks	OCCS21	MOOC	B.Tech Regulation 2015	IITM
22	Introduction to Machine Learning	OCCS22	MOOC	B.Tech Regulation 2015	IITKGP
23	AI: Search Methods for Problem Solving	OCCS23	MOOC	B.Tech Regulation 2015	IITM
24	Ethical Hacking	OCCS24	MOOC	B.Tech Regulation 2015	IITKGP
25	Introduction to Machine Learning	OCCS25	MOOC	B.Tech Regulation 2015	IITM
26	An Introduction to Artificial Intelligence	OCCS26	MOOC	B.Tech Regulation 2015	IITD
27	Deep Learning - Part I	OCCS27	MOOC	B.Tech Regulation 2015	IITM
28	Deep Learning	OCCS28	MOOC	B.Tech Regulation 2015	IITKGP
29	Data Analytics with Python	OCCS29	MOOC	B.Tech Regulation 2015	IITR
30	Randomized Algorithms	OCCS30	MOOC	B.Tech Regulation 2015	IITG
31	Introduction to Cyber Security	OCCS31	MOOC	B.Tech Regulation 2015	Uttarakhand Open University Haldwani
32	Computational Geometry	OCCS32	MOOC	B.Tech Regulation 2015	IITD
33	GPU Architectures and Programming	OCCS33	MOOC	B.Tech Regulation 2015	IITKGP
34	Computational Complexity Theory	OCCS34	MOOC	B.Tech Regulation 2015	IITK
35	Randomized Methods in Complexity	OCCS35	MOOC	B.Tech Regulation 2015	IITK
36	Essentials of Data Science With R Software - 1: Probability and Statistical Inference	OCCS36	MOOC	B.Tech Regulation 2015	IITK
37	Essentials of Data Science With R Software - 2: Sampling Theory and Linear Regression Analysis	OCCS37	MOOC	B.Tech Regulation 2015	IITK
38	Computer Vision and Image Processingfundamentals and applications	OCCS38	MOOC	B.Tech Regulation 2015	IITG
39	Artificial Intelligence: Knowledge Representation and Reasoning	OCCS39	MOOC	B.Tech Regulation 2015	IITM
40	Randomized methods in complexity	OCCS40	MOOC	B.Tech Regulation 2015	IITK
41	Deep Learning For Visual Computing	OCCS41	MOOC	B.Tech Regulation 2015	IITKGP
42	Virtual Reality Engineering	OCCS42	MOOC	B.Tech Regulation 2015	IITM
43	Business analysis and data mining Modeling using R	OCCS43	MOOC	B.Tech Regulation 2015	IITR
44	Deep Learning Specialization	OCCS44	MOOC	B.Tech Regulation 2015	DeepLearning.AI
45	Problem Solving, Python Programming, and Video Games	OCCS45	MOOC	B.Tech Regulation 2015	University of Alberta
46	Google IT Automation with Python Professional Certificate	OCCS46	MOOC	B.Tech Regulation 2015	Google
47	Introduction to Cyber Security Specialization	OCCS47	MOOC	B.Tech Regulation 2015	New York University
48	Full-Stack Web Development with React Specialization	OCCS48	MOOC	B.Tech Regulation 2015	HKUST
ELECTRONICS AND BIOMEDICAL ENGINEERING					
1	Analog Electronic Circuits	OCEB01	MOOC	B.Tech Regulation 2015	IITKGP
2	Biomedical Signal Processing	OCEB02	MOOC	B.Tech Regulation 2015	IITKGP
3	Bio- Informatics:Algorithms and Applications	OCEB03	MOOC	B.Tech Regulation 2015	IITM
4	Computational Systems Biology	OCEB04	MOOC	B.Tech Regulation 2015	IITM
5	Thermodynamics for Biological Systems: Classical and Statistical Aspects	OCEB05	MOOC	B.Tech Regulation 2015	IITM
6	An Introduction to Programming through C++	OCEB06	MOOC	B.Tech Regulation 2015	IITB

7	Biomolecules: Structure, Function in Health and Disease	OCEB07	MOOC	B.Tech Regulation 2015	AIIMS
8	Machine Learning for Engineering and Science Applications	OCEB08	MOOC	B.Tech Regulation 2015	IITM
9	Neuroscience of Human Movements	OCEB09	MOOC	B.Tech Regulation 2015	IITM
10	Fabrication Techniques for MEMs- based sensors: clinical Perspective	OCEB10	MOOC	B.Tech Regulation 2015	IISc
11	Fundamentals of micro and nanofabrication	OCEB11	MOOC	B.Tech Regulation 2015	IISc
12	Physics of Biological Systems	OCEB12	MOOC	B.Tech Regulation 2015	IITB
13	Integrated Circuits MOSFETs OP-Amps and their Applications	OCEB13	MOOC	B.Tech Regulation 2015	IISc
14	Introduction to Machine Learning	OCEB14	MOOC	B.Tech Regulation 2015	IITM
15	The Joy of computing Using Python	OCEB15	MOOC	B.Tech Regulation 2015	IITRPR
16	Numerical Linear Algebra	OCEB16	MOOC	B.Tech Regulation 2015	IITR
17	Programming in Java	OCEB17	MOOC	B.Tech Regulation 2015	IITKGP
ELECTRONICS AND COMMUNICATION ENGINEERING					
1	Biomedical Signal Processing	OCEC01	MOOC	B.Tech Regulation 2015	IITKGP
2	Microprocessors And Microcontrollers	OCEC02	MOOC	B.Tech Regulation 2015	IITKGP
3	Analog Ic Design	OCEC03	MOOC	B.Tech Regulation 2015	IITM
4	Mathematical Methods and Techniques in Signal Processing	OCEC04	MOOC	B.Tech Regulation 2015	IISc
5	Integrated Circuits, Mosfets, OP-Amps and their Applications	OCEC05	MOOC	B.Tech Regulation 2015	IISc
6	Machine Learning for Engineering and Science Applications	OCEC07	MOOC	B.Tech Regulation 2015	IITM
7	Multirate DSP	OCEC08	MOOC	B.Tech Regulation 2015	IITM
8	AI:Knowledge Representation and Reasoning	OCEC09	MOOC	B.Tech Regulation 2015	IITM
9	Blockchain Architecture Design and Use Cases	OCEC10	MOOC	B.Tech Regulation 2015	IITKGP
10	Introduction to Machine Learning	OCEC11	MOOC	B.Tech Regulation 2015	IITM
11	Solar Photovoltaics-Fundamentals, and Applications	OCEC12	MOOC	B.Tech Regulation 2015	IITR
12	Deep Learning For Visual Computing	OCEC13	MOOC	B.Tech Regulation 2015	IITKGP
13	Rheology of Complex Materials	OCEC14	MOOC	B.Tech Regulation 2015	IITM
14	Virtual Reality Engineering	OCEC15	MOOC	B.Tech Regulation 2015	IITM
15	Semiconductor Optoelectronics	OCEC16	MOOC	B.Tech Regulation 2015	IITD
16	Business Analytics For Management Decision	OCEC17	MOOC	B.Tech Regulation 2015	IITKGP
17	Business analysis and data mining Modeling using R	OCEC18	MOOC	B.Tech Regulation 2015	IITR
18	Financial Statement Analysis and Reporting	OCEC19	MOOC	B.Tech Regulation 2015	IITR
19	Six Sigma	OCEC20	MOOC	B.Tech Regulation 2015	IITKGP
20	Joy of Computing using Python	OCEC21	MOOC	B.Tech Regulation 2015	IITRPR
21	Developing Android Apps with App Inventor	OCEC22	MOOC	B.Tech Regulation 2015	HKUST
22	Product Design and Manufacturing	OCEC23	MOOC	B.Tech Regulation 2015	IITK
23	A Brief introduction to micro sensors	OCEC24	MOOC	B.Tech Regulation 2015	IISER Bhopal
24	VLSI Signal processing	OCEC25	MOOC	B.Tech Regulation 2015	IITKGP
25	Foundations to Computer systems Design	OCEC26	MOOC	B.Tech Regulation 2015	IITM
26	Embedded Systems Design	OCEC27	MOOC	B.Tech Regulation 2015	IITKGP
27	VLSI Physical Design	OCEC28	MOOC	B.Tech Regulation 2015	IITKGP
28	Mathematical Methods and Techniques in Signal Processing	OCEC29	MOOC	B.Tech Regulation 2015	IISc
29	Soft Skills For Business Negotiations And Marketing Strategies	OCEC30	MOOC	B.Tech Regulation 2015	IITKGP
30	Fiber-Optic Communication Systems and Techniques	OCEC31	MOOC	B.Tech Regulation 2015	IITK
31	Introduction to Information Theory, Coding and Cryptography	OCEC32	MOOC	B.Tech Regulation 2015	IITD
32	Advanced Power Electronics and Control	OCEC33	MOOC	B.Tech Regulation 2015	IITR
33	Transmission Lines and Electromagnetic Waves	OCEC34	MOOC	B.Tech Regulation 2015	IITM

34	Applied Optimization for Wireless, Machine learning, Big data	OCEC35	MOOC	B.Tech Regulation 2015	IITK
35	Design of photovoltaic systems	OCEC36	MOOC	B.Tech Regulation 2015	IISc
36	Introduction to Embedded system Design	OCEC37	MOOC	B.Tech Regulation 2015	IITM
37	Introduction to Wireless and Cellular Communications	OCEC38	MOOC	B.Tech Regulation 2015	IITM
38	Introduction to Industry 4.0 and Industrial Internet of Things	OCEC39	MOOC	B.Tech Regulation 2015	IITKGP
39	Artificial Intelligence Search Methods For Problem Solving	OCEC40	MOOC	B.Tech Regulation 2015	IITM
40	Deep Learning	OCEC41	MOOC	B.Tech Regulation 2015	IITKGP
41	Digital VLSI Testing	OCEC42	MOOC	B.Tech Regulation 2015	IITKGP
42	Computer Organization and Architecture: A Pedagogical Aspect	OCEC43	MOOC	B.Tech Regulation 2015	IITG
43	Discrete Mathematics	OCEC44	MOOC	B.Tech Regulation 2015	IITRPR
44	Problem Solving through Programming in C	OCEC45	MOOC	B.Tech Regulation 2015	IITKGP
45	Programming in Java	OCEC46	MOOC	B.Tech Regulation 2015	IITKGP
46	Cryptography and Network Security	OCEC47	MOOC	B.Tech Regulation 2015	IITKGP
47	Introduction to Internet of Things	OCEC48	MOOC	B.Tech Regulation 2015	IITKGP
48	Modern Digital Communication Techniques	OCEC49	MOOC	B.Tech Regulation 2015	IITKGP
49	Introduction to Photonics	OCEC50	MOOC	B.Tech Regulation 2015	IITM
50	Electronic Systems for Cancer Diagnosis	OCEC51	MOOC	B.Tech Regulation 2015	IISc
51	Biophotonics	OCEC52	MOOC	B.Tech Regulation 2015	IITKGP
52	Python for Everybody	OCEC53	MOOC	B.Tech Regulation 2015	University of Michigan
53	Python for Everybody	OCEC54	MOOC	B.Tech Regulation 2015	University of Michigan
54	Machine Learning	OCEC55	MOOC	B.Tech Regulation 2015	University of Washington
55	Mathematics for Machine Learning	OCEC56	MOOC	B.Tech Regulation 2015	Imperial College London
56	Python 3 Programming	OCEC57	MOOC	B.Tech Regulation 2015	University of Michigan
57	Data Structures And Algorithms	OCEC58	MOOC	B.Tech Regulation 2015	Higher School of Economics
58	Introductory Neuroscience and Neuro Instrumentation	OCEC59	MOOC	B.Tech Regulation 2015	IISc
59	Applied Linear Algebra For Signal Processing, Data Analytics and Machine Learning	OCEC60	MOOC	B.Tech Regulation 2015	IITK
ELECTRICAL AND ELECTRONICS ENGINEERING					
1	Modern Digital Communication Techniques	OCEE01	MOOC	B.Tech Regulation 2015	IITKGP
2	Introduction to Photonics	OCEE02	MOOC	B.Tech Regulation 2015	IITM
3	Biomedical Signal Processing	OCEE03	MOOC	B.Tech Regulation 2015	IITKGP
4	Multirate DSP	OCEE04	MOOC	B.Tech Regulation 2015	IITM
5	Electronic Systems for Cancer Diagnosis	OCEE05	MOOC	B.Tech Regulation 2015	IISc
6	Solar Technology-Fundamentals and Applications	OCEE06	MOOC	B.Tech Regulation 2015	IITG
7	E-Mobility and Charging Infrastructure	OCEE07	MOOC	B.Tech Regulation 2015	IITG
8	Mathematical Methods and Techniques in Signal Processing	OCEE08	MOOC	B.Tech Regulation 2015	IISc
9	Principles of Signals and Systems	OCEE09	MOOC	B.Tech Regulation 2015	IITK
10	Principles of Communication Systems - 1	OCEE10	MOOC	B.Tech Regulation 2015	IITK
11	Electromagnetic Theory	OCEE11	MOOC	B.Tech Regulation 2015	IITK
12	Control Engineering	OCEE12	MOOC	B.Tech Regulation 2015	IITM
13	Deep Learning For Visual Computing	OCEE13	MOOC	B.Tech Regulation 2015	IITKGP
14	Power System Engineering	OCEE14	MOOC	B.Tech Regulation 2015	IITKGP
15	Basic Electronics	OCEE15	MOOC	B.Tech Regulation 2015	IITB
16	Antennas	OCEE16	MOOC	B.Tech Regulation 2015	IITB

17	Industrial Automation And Control	OCEE17	MOOC	B.Tech Regulation 2015	IITKGP
18	Design of Photovoltaic System	OCEE18	MOOC	B.Tech Regulation 2015	IISc
19	Fiber-optic communication systems and techniques	OCEE19	MOOC	B.Tech Regulation 2015	IITK
20	Heat exchangers: Fundamentals and design analysis	OCEE20	MOOC	B.Tech Regulation 2015	IITKGP
21	Coding Information theory and Cryptography	OCEE21	MOOC	B.Tech Regulation 2015	IITD
22	Programming in Java	OCEE22	MOOC	B.Tech Regulation 2015	IITKGP
23	Machine Learning for Engineering and Science Applications	OCEE23	MOOC	B.Tech Regulation 2015	IITM
24	Joy of Computing using Python	OCEE24	MOOC	B.Tech Regulation 2015	IITM
25	Joy of Computing using Python	OCEE25	MOOC	B.Tech Regulation 2015	IITRPR
26	AI Programming with Python	OCEE26	MOOC	B.Tech Regulation 2015	Udacity
27	System Design for Sustainability	OCEE27	MOOC	B.Tech Regulation 2015	IITG
28	Human Resource Development	OCEE28	MOOC	B.Tech Regulation 2015	IITKGP
29	DC Power Transmission Systems	OCEE29	MOOC	B.Tech Regulation 2015	IITM
30	Sensors and Actuators	OCEE30	MOOC	B.Tech Regulation 2015	IISc
31	Digital Image Processing	OCEE31	MOOC	B.Tech Regulation 2015	IITKGP
32	Mapping Signal Processing Algorithms to Architectures	OCEE32	MOOC	B.Tech Regulation 2015	IITM
33	Introduction to Computer Vision	OCEE33	MOOC	B.Tech Regulation 2015	IITD
34	Op-Amp Practical Applications: Design, Simulation and Implementation	OCEE34	MOOC	B.Tech Regulation 2015	IISc
35	Fabrication Techniques for MEMs- based sensors: clinical Perspective	OCEE35	MOOC	B.Tech Regulation 2015	IISc
36	Introduction to Wireless and Cellular Communications	OCEE36	MOOC	B.Tech Regulation 2015	IITM
37	Neural Networks for Signal Processing I	OCEE37	MOOC	B.Tech Regulation 2015	IISc
38	Microelectronics: Devices To Circuits	OCEE38	MOOC	B.Tech Regulation 2015	IITR
39	Pattern Recognition and Application	OCEE39	MOOC	B.Tech Regulation 2015	IITKGP
40	Microwave Theory and Techniques	OCEE40	MOOC	B.Tech Regulation 2015	IITB
41	Principles and Techniques of Modern Radar Systems	OCEE41	MOOC	B.Tech Regulation 2015	IITKGP
42	Computational Electromagnetics	OCEE42	MOOC	B.Tech Regulation 2015	IITM
43	Fiber-Optic Communication Systems and Techniques	OCEE43	MOOC	B.Tech Regulation 2015	IITK
44	Microwave Engineering	OCEE44	MOOC	B.Tech Regulation 2015	IITG
45	Fuzzy sets logic & Systems and applications	OCEE45	MOOC	B.Tech Regulation 2015	IITK
46	Project Management for Managers	OCEE46	MOOC	B.Tech Regulation 2015	IITR
47	Training Of Trainers	OCEE47	MOOC	B.Tech Regulation 2015	IITR
48	Management Accounting	OCEE48	MOOC	B.Tech Regulation 2015	IITR
49	Introduction to Environmental Engineering and Science - Fundamental and Sustainability Conceptss	OCEE49	MOOC	B.Tech Regulation 2015	IITKGP
50	Numerical Methods for Engineers	OCEE50	MOOC	B.Tech Regulation 2015	IITM
51	Mathematical Finance	OCEE51	MOOC	B.Tech Regulation 2015	IITG
52	Stochastic Processes	OCEE52	MOOC	B.Tech Regulation 2015	IITD
53	Introduction to Fuzzy Set Theory, Arithmetic and Logic	OCEE53	MOOC	B.Tech Regulation 2015	IITD
54	Fundamentals of Micro and Nanofabrication	OCEE54	MOOC	B.Tech Regulation 2015	IISc
55	Digital VLSI Testing	OCEE55	MOOC	B.Tech Regulation 2015	IITKGP
56	Semiconductor Devices and Circuits	OCEE56	MOOC	B.Tech Regulation 2015	IISc
57	Image Signal Processing	OCEE57	MOOC	B.Tech Regulation 2015	IITM
58	Computer Aided Power System Analysis	OCEE58	MOOC	B.Tech Regulation 2015	IITR
59	Linear System Theory	OCEE59	MOOC	B.Tech Regulation 2015	IITM
60	Applied Electromagnetics For Engineers	OCEE60	MOOC	B.Tech Regulation 2015	IITK

61	Introduction to Embedded System Design	OCEE61	MOOC	B.Tech Regulation 2015	Netaji Subhas University of Technology
62	Introduction to Embedded System Design	OCEE62	MOOC	B.Tech Regulation 2015	IIT Jammu
63	Introductory Neuroscience & Neuro-Instrumentation	OCEE63	MOOC	B.Tech Regulation 2015	IISc
64	Aircraft Stability and Control	OCEE64	MOOC	B.Tech Regulation 2015	IITK
65	Space Flight Mechanics	OCEE65	MOOC	B.Tech Regulation 2015	IITKGP
66	Introduction to Aerospace Engineering	OCEE66	MOOC	B.Tech Regulation 2015	IITB
67	Deep Learning	OCEE67	MOOC	B.Tech Regulation 2015	IITKGP
68	Computer architecture and organization	OCEE68	MOOC	B.Tech Regulation 2015	IITKGP
69	Introduction to internet of things	OCEE69	MOOC	B.Tech Regulation 2015	IITKGP
70	Switching Circuits and Logic Design	OCEE70	MOOC	B.Tech Regulation 2015	IITKGP
71	Software Engineering	OCEE71	MOOC	B.Tech Regulation 2015	IITKGP
72	Introduction to Industry 4.0 and Industrial Internet of Things	OCEE72	MOOC	B.Tech Regulation 2015	IITKGP
73	Introduction to Machine Learning	OCEE73	MOOC	B.Tech Regulation 2015	IITM
74	Reinforcement Learning	OCEE74	MOOC	B.Tech Regulation 2015	IITM
75	Software Testing	OCEE75	MOOC	B.Tech Regulation 2015	IITB
76	Artificial Intelligence Search Methods For Problem Solving	OCEE76	MOOC	B.Tech Regulation 2015	IITM
77	Deep Learning For Computer Vision	OCEE77	MOOC	B.Tech Regulation 2015	IIT Hyderabad
78	Introduction to algorithms and analysis	OCEE78	MOOC	B.Tech Regulation 2015	IITKGP
79	Bandit Algorithm (Online Machine Learning)	OCEE79	MOOC	B.Tech Regulation 2015	IITB
80	Functional and Conceptual Design	OCEE80	MOOC	B.Tech Regulation 2015	IITM
81	Introduction to robotics	OCEE81	MOOC	B.Tech Regulation 2015	IITM
82	Decision Support System for Managers	OCEE82	MOOC	B.Tech Regulation 2015	IITKGP
83	Management Information System	OCEE83	MOOC	B.Tech Regulation 2015	IITKGP
84	Regression Analysis	OCEE84	MOOC	B.Tech Regulation 2015	IISER Pune
85	Constrained and unconstrained optimization	OCEE85	MOOC	B.Tech Regulation 2015	IITKGP
86	Computational Commutative Algebra	OCEE86	MOOC	B.Tech Regulation 2015	CMI
87	A basic course in number theory	OCEE87	MOOC	B.Tech Regulation 2015	IITB
88	Scientific Computing using Matlab	OCEE88	MOOC	B.Tech Regulation 2015	IITD
89	Dynamical System and Control	OCEE89	MOOC	B.Tech Regulation 2015	IITR
90	Fundamentals Of Artificial Intelligence	OCEE90	MOOC	B.Tech Regulation 2015	IITG
91	Solar Energy Engineering and Technology	OCEE91	MOOC	B.Tech Regulation 2015	IITG
92	Soft Skills	OCEE92	MOOC	B.Tech Regulation 2015	IITR
93	Python for everybody	OCEE93	MOOC	B.Tech Regulation 2015	University of Michigan
94	Non-conventional energy resources	OCEE94	MOOC	B.Tech Regulation 2015	IITM
95	AI: Knowledge Representation and Reasoning	OCEE95	MOOC	B.Tech Regulation 2015	IITM
96	Blockchain Architecture and Use Cases	OCEE96	MOOC	B.Tech Regulation 2015	IITKGP
97	Social Networks	OCEE97	MOOC	B.Tech Regulation 2015	IITRPR
98	Architectural Design of Digital Integrated Circuits	OCEE98	MOOC	B.Tech Regulation 2015	IITKGP
99	Computer Architecture	OCEE99	MOOC	B.Tech Regulation 2015	IITD
100	Computer Networks and Internet Protocol	OCEE100	MOOC	B.Tech Regulation 2015	IITKGP
101	Computer Vision and Image Processing - Fundamentals and Applications	OCEE101	MOOC	B.Tech Regulation 2015	IITG
102	Data Analytics with Python	OCEE102	MOOC	B.Tech Regulation 2015	IITR
103	Digital Electronic Circuits	OCEE103	MOOC	B.Tech Regulation 2015	IITKGP
104	Digital IC Design	OCEE104	MOOC	B.Tech Regulation 2015	IITM

105	Digital Signal Processing and its Applications	OCEE105	MOOC	B.Tech Regulation 2015	IITB
106	Digital System Design	OCEE106	MOOC	B.Tech Regulation 2015	IITRPR
107	Elements of Solar Energy Conversion	OCEE107	MOOC	B.Tech Regulation 2015	IITK
108	Embedded Systems Design	OCEE108	MOOC	B.Tech Regulation 2015	IITKGP
109	Fundamentals of power Electronics	OCEE109	MOOC	B.Tech Regulation 2015	IISc
110	Fundamentals of semiconductor devices	OCEE110	MOOC	B.Tech Regulation 2015	IISc
111	Introduction to Time - Varying Electrical networks	OCEE111	MOOC	B.Tech Regulation 2015	IITM
112	Microprocessors and Interfacing	OCEE112	MOOC	B.Tech Regulation 2015	IITG
113	Microprocessors and Microcontrollers	OCEE113	MOOC	B.Tech Regulation 2015	IITKGP
114	Non-Conventional Energy Resources	OCEE114	MOOC	B.Tech Regulation 2015	IITM
115	Nonlinear System Analysis	OCEE115	MOOC	B.Tech Regulation 2015	IITM
116	Power Management Integrated Circuits	OCEE116	MOOC	B.Tech Regulation 2015	IITM
117	Power System Dynamics, Control and Monitoring	OCEE117	MOOC	B.Tech Regulation 2015	IITKGP
118	Power System Engineering	OCEE118	MOOC	B.Tech Regulation 2015	IITKGP
119	Principles of Digital Communications	OCEE119	MOOC	B.Tech Regulation 2015	IITD
120	Principles of Signals and Systems	OCEE120	MOOC	B.Tech Regulation 2015	IITK
121	Reinforcement Learning	OCEE121	MOOC	B.Tech Regulation 2015	IITM
122	Robotics: Basics and Selected Advanced Concepts	OCEE122	MOOC	B.Tech Regulation 2015	IISc
123	Transmission Lines and Electromagnetic Waves	OCEE123	MOOC	B.Tech Regulation 2015	IITM
124	Photonic Integrated Circuit	OCEE124	MOOC	B.Tech Regulation 2015	IISc
125	High Power Multilevel Converters - Analysis, Design and Operational Issues	OCEE125	MOOC	B.Tech Regulation 2015	IITD
126	Patent Law for Engineers and Scientists	OCEE126	MOOC	B.Tech Regulation 2015	IITM
127	Virtual Reality Engineering	OCEE127	MOOC	B.Tech Regulation 2015	IITM
128	Six Sigma	OCEE128	MOOC	B.Tech Regulation 2015	IITKGP
129	E-Business	OCEE129	MOOC	B.Tech Regulation 2015	IITKGP
130	Programming in Java	OCEE130	MOOC	B.Tech Regulation 2015	IITKGP
131	Advanced Power Electronics and Control	OCEE131	MOOC	B.Tech Regulation 2015	IITR
132	Cryptography and Network Security	OCEE132	MOOC	B.Tech Regulation 2015	IITKGP
133	Foundations to Computer Systems Design	OCEE133	MOOC	B.Tech Regulation 2015	IITM
SAFETY AND FIRE ENGINEERING					
1	Chemical Process Instrumentation	OCFS01	MOOC	B.Tech Regulation 2015	IITKGP
2	Heat Transfer	OCFS02	MOOC	B.Tech Regulation 2015	IITB
3	Introduction to Materials Science and Engineering	OCFS03	MOOC	B.Tech Regulation 2015	IITD
4	Manufacturing Process Technology I & II	OCFS04	MOOC	B.Tech Regulation 2015	IITK
5	Reliability of offshore structures	OCFS05	MOOC	B.Tech Regulation 2015	IITM
6	Applied Ergonomics	OCFS06	MOOC	B.Tech Regulation 2015	IITK
7	Industrial Safety Engineering	OCFS07	MOOC	B.Tech Regulation 2015	IITKGP
FOOD TECHNOLOGY					
1	Fundamentals of Food Process Engineering	OCFT01	MOOC	B.Tech Regulation 2015	IITKGP
2	Dairy and Food process and products technology	OCFT02	MOOC	B.Tech Regulation 2015	IITKGP
3	Thermal Operations in Food Process Engineering:Theory and Applications	OCFT03	MOOC	B.Tech Regulation 2015	IITKGP
4	Thermal Processing of Foods	OCFT04	MOOC	B.Tech Regulation 2015	IITG
5	Food Laws and Standards	OCFT05	MOOC	B.Tech Regulation 2015	IGNOU
6	Post Harvest Management of Fruits and Vegetables	OCFT06	MOOC	B.Tech Regulation 2015	Food Safety Administration
7	Membrane Technology	OCFT07	MOOC	B.Tech Regulation 2015	IITG

8	Principles Of Downstream Techniques In Bioprocess	OCFT08	MOOC	B.Tech Regulation 2015	IITM
9	Industrial Biotechnology	OCFT09	MOOC	B.Tech Regulation 2015	IITKGP
10	Heat Transfer	OCFT10	MOOC	B.Tech Regulation 2015	IITKGP
INSTUMENTATION AND CONTROL ENGINEERING					
1	Aircraft Stability and Control	OCIC01	MOOC	B.Tech Regulation 2015	IITK
2	Industrial Biotechnology	OCIC02	MOOC	B.Tech Regulation 2015	IITKGP
3	Fundamentals of micro and nanofabrication	OCIC03	MOOC	B.Tech Regulation 2015	IISc
4	Chemical Process Safety	OCIC04	MOOC	B.Tech Regulation 2015	IITR
5	Deep Learning	OCIC05	MOOC	B.Tech Regulation 2015	IITKGP
6	Introduction to internet of things	OCIC06	MOOC	B.Tech Regulation 2015	IITKGP
7	Introduction to Industry 4.0 and Industrial Internet of Things	OCIC07	MOOC	B.Tech Regulation 2015	IITKGP
8	Introduction to Machine Learning	OCIC08	MOOC	B.Tech Regulation 2015	IITM
9	Artificial Intelligence Search Methods For Problem Solving	OCIC09	MOOC	B.Tech Regulation 2015	IITM
10	The Joy of Computing using Python	OCIC10	MOOC	B.Tech Regulation 2015	IITRPR
11	Spectroscopic Techniques for Pharmaceutical and Biopharmaceutical Industries	OCIC11	MOOC	B.Tech Regulation 2015	IITD
12	Introduction to robotics	OCIC12	MOOC	B.Tech Regulation 2015	IITM
13	Principles of Signal Estimation for MIMO/ OFDM Wireless Communication	OCIC13	MOOC	B.Tech Regulation 2015	IITK
14	Fiber Optic Communication Technology	OCIC14	MOOC	B.Tech Regulation 2015	IITM
15	Introductory Neuroscience & Neuro- Instrumentation	OCIC15	MOOC	B.Tech Regulation 2015	IISc
16	Power Electronics	OCIC16	MOOC	B.Tech Regulation 2015	IITD
17	Introduction to Embedded System Design	OCIC17	MOOC	B.Tech Regulation 2015	Netaji Subhas University of Technology
18	Introduction to Embedded System Design	OCIC18	MOOC	B.Tech Regulation 2015	IIT Jammu
19	Constrained and unconstrained optimization	OCIC19	MOOC	B.Tech Regulation 2015	IITKGP
20	Scientific Computing using Matlab	OCIC20	MOOC	B.Tech Regulation 2015	IITD
21	Dynamical System and Control	OCIC21	MOOC	B.Tech Regulation 2015	IITR
22	Introduction to Fuzzy Set Theory, Arithmetic and Logic	OCIC22	MOOC	B.Tech Regulation 2015	IITD
23	Fundamentals Of Artificial Intelligence	OCIC23	MOOC	B.Tech Regulation 2015	IITG
24	Biomedical Signal Processing	OCIC24	MOOC	B.Tech Regulation 2015	IITKGP
25	Optical Spectroscopy and Microscopy: Fundamentals of Optical Measurements and Instrumentation	OCIC25	MOOC	B.Tech Regulation 2015	IISc
26	Process Control - Design, Analysis and Assessment	OCIC26	MOOC	B.Tech Regulation 2015	IITM
27	Model Predictive Control: Theory and Applications	OCIC27	MOOC	B.Tech Regulation 2015	IITM
28	Computer Aided Applied Single Objective Optimization	OCIC28	MOOC	B.Tech Regulation 2015	IITG
29	Nonlinear System Analysis	OCIC29	MOOC	B.Tech Regulation 2015	IITM
30	Optical Fiber Sensors	OCIC30	MOOC	B.Tech Regulation 2015	IITM
31	Robotics: Basics and Selected Advanced Concepts	OCIC31	MOOC	B.Tech Regulation 2015	IISc
INDUSTRIAL ENGINEERING					
1	Industrial Safety Engineering	OCIE01	MOOC	B.Tech Regulation 2015	IITKGP
2	Six Sigma	OCIE02	MOOC	B.Tech Regulation 2015	IITKGP
3	Decision Support System	OCIE03	MOOC	B.Tech Regulation 2015	IITKGP
4	E-Business	OCIE04	MOOC	B.Tech Regulation 2015	IITKGP
5	Entrepreneurship	OCIE05	MOOC	B.Tech Regulation 2015	IITM
6	Virtual Reality Engineering	OCIE06	MOOC	B.Tech Regulation 2015	IITM

7	Introduction to Industry 4.0 and Industrial Internet of Things	OCIE07	MOOC	B.Tech Regulation 2015	IITKGP
8	Learning Analytics Tools	OCIE08	MOOC	B.Tech Regulation 2015	IITB
9	Marketing Analytics	OCIE09	MOOC	B.Tech Regulation 2015	IITKGP
10	Advanced Green Manufacturing Systems	OCIE10	MOOC	B.Tech Regulation 2015	IITK
11	Continuous Quality Improvement :Tools and Techniques	OCIE11	MOOC	B.Tech Regulation 2015	Quality Council of India
12	Consumer Buyer Behaviour	OCIE12	MOOC	B.Tech Regulation 2015	LNWIMDR
13	Managerial Skills For Interpersonal Dynamics	OCIE13	MOOC	B.Tech Regulation 2015	IITR
INFORMATION TECHNOLOGY					
1	Artificial Intelligence - Knowledge representation and reasoning	OCIT01	MOOC	B.Tech Regulation 2015	IITM
2	Computational Complexity Theory	OCIT02	MOOC	B.Tech Regulation 2015	IITK
3	Computational Geometry	OCIT03	MOOC	B.Tech Regulation 2015	IITD
4	Computer Vision and Image Processing - fundamentals and applications	OCIT04	MOOC	B.Tech Regulation 2015	IITG
5	Cryptography and Network Security	OCIT05	MOOC	B.Tech Regulation 2015	IITKGP
6	Data Analytics with Python	OCIT06	MOOC	B.Tech Regulation 2015	IITR
7	Deep Learning	OCIT07	MOOC	B.Tech Regulation 2015	IITKGP
8	Deep Learning	OCIT08	MOOC	B.Tech Regulation 2015	IITRPR
9	Foundation of Cryptography	OCIT09	MOOC	B.Tech Regulation 2015	IIIT Bangalore
10	GPU Architecture and Programming	OCIT10	MOOC	B.Tech Regulation 2015	IITKGP
11	Randomized methods in complexity	OCIT11	MOOC	B.Tech Regulation 2015	IITK
12	Reinforcement Learning	OCIT12	MOOC	B.Tech Regulation 2015	IITM
13	Machine Learning for Engineering and Science Applications	OCIT13	MOOC	B.Tech Regulation 2015	IITM
14	Blockchain Architecture Design and Use Cases	OCIT14	MOOC	B.Tech Regulation 2015	IITKGP
15	Developing Android Apps with App Inventor	OCIT15	MOOC	B.Tech Regulation 2015	HKUST
16	Programming in Java	OCIT16	MOOC	B.Tech Regulation 2015	IITKGP
17	Deep Learning for Visual Computing	OCIT17	MOOC	B.Tech Regulation 2015	IITKGP
18	Virtual Reality Engineering	OCIT18	MOOC	B.Tech Regulation 2015	IITM
19	Business Analysis and Data Mining Modelling using R	OCIT19	MOOC	B.Tech Regulation 2015	IITR
20	Introduction to Information Theory, Coding and Cryptography	OCIT20	MOOC	B.Tech Regulation 2015	IITD
21	Artificial Intelligence Search Methods for Problem Solving	OCIT21	MOOC	B.Tech Regulation 2015	IITM
22	Web Based Technologies and Multimedia Applications	OCIT22	MOOC	B.Tech Regulation 2015	IGNOU
23	Web Content Management	OCIT23	MOOC	B.Tech Regulation 2015	IGNOU
24	Essentials of Data Science With R Software - 1: Probability and Statistical Inference	OCIT24	MOOC	B.Tech Regulation 2015	IITK
25	Essentials of Data Science With R Software - 2: Sampling Theory and Linear Regression Analysis	OCIT25	MOOC	B.Tech Regulation 2015	IITK
26	Information Security and Cyber Forensics	OCIT26	MOOC	B.Tech Regulation 2015	DAVV Indore
27	Introduction to Industry 4.0 and Industrial Internet of Things	OCIT27	MOOC	B.Tech Regulation 2015	IITKGP
28	Basics of High Performance Computing	OCIT28	MOOC	B.Tech Regulation 2015	IIT Goa
29	Introduction to Internet of Things	OCIT29	MOOC	B.Tech Regulation 2015	IITKGP
30	Social Networks	OCIT30	MOOC	B.Tech Regulation 2015	IITM
31	Problem Solving, Python Programming, and Video Games	OCIT31	MOOC	B.Tech Regulation 2015	University of Alberta
MULTI DISCIPLINARY(COMMON TO ALL BRANCHES)					
1	Non-Conventional Energy Resources	OCMD01	MOOC	B.Tech Regulation 2015	IITM
2	Bio-Informatics:Algorithms and Applications	OCMD02	MOOC	B.Tech Regulation 2015	IITM
3	Aspects Of Biochemical Engineering	OCMD03	MOOC	B.Tech Regulation 2015	IITKGP

4	Chemistry Of Main Group Elements	OCMD04	MOOC	B.Tech Regulation 2015	IITB
5	Transition Metal Organometallic Chemistry: Principles To Applications	OCMD05	MOOC	B.Tech Regulation 2015	IITB
6	A Study Guide In Organic Retrosynthesis: Problem Solving Approach	OCMD06	MOOC	B.Tech Regulation 2015	IITKGP
7	Thermodynamics Kinetics	OCMD07	MOOC	B.Tech Regulation 2015	IISER Mohali
8	Biochemistry	OCMD08	MOOC	B.Tech Regulation 2015	IITKGP
9	Quantum Computing	OCMD09	MOOC	B.Tech Regulation 2015	IITK
10	Mineral Resources: Geology, Exploration, Economics And Environment	OCMD10	MOOC	B.Tech Regulation 2015	IITKGP
11	Introduction To Mineral Processing	OCMD11	MOOC	B.Tech Regulation 2015	IITKGP
12	An Introduction to Microeconomics	OCMD12	MOOC	B.Tech Regulation 2015	IITK
13	Sociological Perspectives on Modernity	OCMD13	MOOC	B.Tech Regulation 2015	IITG
14	Introduction to Cognitive Psychology	OCMD14	MOOC	B.Tech Regulation 2015	IITG
15	Patent Law For Engineers And Scientists	OCMD15	MOOC	B.Tech Regulation 2015	IITM
16	Better Spoken English	OCMD16	MOOC	B.Tech Regulation 2015	IITM
17	Numerical Linear Algebra	OCMD17	MOOC	B.Tech Regulation 2015	IITR
18	Chaotic Dynamical Systems	OCMD18	MOOC	B.Tech Regulation 2015	IITD
19	Stochastic Process	OCMD19	MOOC	B.Tech Regulation 2015	IITD
20	Rheology of Complex Materials	OCMD20	MOOC	B.Tech Regulation 2015	IITM
21	Virtual Reality Engineering	OCMD21	MOOC	B.Tech Regulation 2015	IITM
22	Computer Methods Of Structural Analysis of Offshore Structures	OCMD22	MOOC	B.Tech Regulation 2015	IITM
23	Water Economics And Governance	OCMD23	MOOC	B.Tech Regulation 2015	IITKGP
24	Reliability Of Offshore Structures	OCMD24	MOOC	B.Tech Regulation 2015	IITM
25	Atomic And Molecular Physics	OCMD25	MOOC	B.Tech Regulation 2015	IITKGP
26	Nuclear and Particle Physics	OCMD26	MOOC	B.Tech Regulation 2015	IITG
27	Semiconductor Optoelectronics	OCMD27	MOOC	B.Tech Regulation 2015	IITD
MECHANICAL ENGINEERING					
1	Design And Analysis Of Experiments	OCME01	MOOC	B.Tech Regulation 2015	IITKGP
2	Quality Design And Control	OCME02	MOOC	B.Tech Regulation 2015	IITKGP
3	Introduction to Materials Science and Engineering	OCME03	MOOC	B.Tech Regulation 2015	IITD
4	Introduction To Composites	OCME04	MOOC	B.Tech Regulation 2015	IITK
5	Manufacturing Process Technology I and II	OCME05	MOOC	B.Tech Regulation 2015	IITK
6	Advanced Fluid Mechanics	OCME06	MOOC	B.Tech Regulation 2015	IITKGP
7	Introduction To Mechanical Micro Machining	OCME07	MOOC	B.Tech Regulation 2015	IITKGP
8	Machinery Fault Diagnosis And Signal Processing	OCME08	MOOC	B.Tech Regulation 2015	IITKGP
9	Fundamentals of Nuclear Power Generation	OCME09	MOOC	B.Tech Regulation 2015	IITG
10	Spray Theory	OCME10	MOOC	B.Tech Regulation 2015	IITM
11	Compliant Mechanisms:Principles and Design	OCME11	MOOC	B.Tech Regulation 2015	IISc
12	Convective Heat Transfer	OCME12	MOOC	B.Tech Regulation 2015	IISc
13	Operations Management	OCME13	MOOC	B.Tech Regulation 2015	IITR
14	Theory of Production Processes	OCME14	MOOC	B.Tech Regulation 2015	IITR
15	Experimental Stress Analysis	OCME15	MOOC	B.Tech Regulation 2015	IITM
16	Physics Of Materials	OCME16	MOOC	B.Tech Regulation 2015	IITM
17	Material Characterization	OCME17	MOOC	B.Tech Regulation 2015	IITM
18	Industrial Safety Engineering	OCME18	MOOC	B.Tech Regulation 2015	IITKGP
19	The Finite Element Method for Problems in Physics	OCME19	MOOC	B.Tech Regulation 2015	University of Michigan
20	Product Design and Manufacturing	OCME20	MOOC	B.Tech Regulation 2015	IITK

21	Energy Conservation and Waste Heat Recovery	OCME21	MOOC	B.Tech Regulation 2015	IITKGP
22	Mechanics of Human Movement	OCME22	MOOC	B.Tech Regulation 2015	IITM
23	Work System Design	OCME23	MOOC	B.Tech Regulation 2015	IITR
24	Fundamentals of Surface Engineering:Mechanisms,Processes and Characterizations	OCME24	MOOC	B.Tech Regulation 2015	IITR
25	Principles of mechanical measurement	OCME25	MOOC	B.Tech Regulation 2015	IITG
26	Conduction and convection heat transfer	OCME26	MOOC	B.Tech Regulation 2015	IITKGP
27	IC Engines and Gas turbines	OCME27	MOOC	B.Tech Regulation 2015	IITG
28	Rapid manufacturing	OCME28	MOOC	B.Tech Regulation 2015	IITK
29	Computational fluid mechanics	OCME29	MOOC	B.Tech Regulation 2015	IITKGP
30	Fundamentals of manufacturing processes	OCME30	MOOC	B.Tech Regulation 2015	IITR
31	Advanced composites	OCME31	MOOC	B.Tech Regulation 2015	IITK
32	Engineering metrology	OCME32	MOOC	B.Tech Regulation 2015	IITK
33	Noise management and control	OCME33	MOOC	B.Tech Regulation 2015	IITK
34	Engineering Fracture Mechanics	OCME34	MOOC	B.Tech Regulation 2015	IITM
35	Manufacturing Systems Technology i and ii	OCME35	MOOC	B.Tech Regulation 2015	IITK
36	Introduction to Haptics	OCME36	MOOC	B.Tech Regulation 2015	Stanford University
37	Data Science: Machine Learning	OCME37	MOOC	B.Tech Regulation 2015	Harward University
38	Computational Fluid Dynamics	OCME38	MOOC	B.Tech Regulation 2015	IITM
39	Machine Learning for Science and Engineering Applications	OCME39	MOOC	B.Tech Regulation 2015	IITM
40	Aircraft Design	OCME40	MOOC	B.Tech Regulation 2015	IITK
41	Fundamentals of Automotive Systems	OCME41	MOOC	B.Tech Regulation 2015	IITM
42	E-Business	OCME42	MOOC	B.Tech Regulation 2015	IITKGP
43	Manufacturing Systems Technology I and II	OCME43	MOOC	B.Tech Regulation 2015	IITK
44	Fundamental of Automotive Systems	OCME44	MOOC	B.Tech Regulation 2015	IITM
45	Space Flight Mechanics	OCME45	MOOC	B.Tech Regulation 2015	IITKGP
46	Introduction to CFD	OCME46	MOOC	B.Tech Regulation 2015	IITKGP
47	Fundamentals of Combustion	OCME47	MOOC	B.Tech Regulation 2015	IITM
48	Rocket Propulsion	OCME48	MOOC	B.Tech Regulation 2015	IITM
49	Aircraft Propulsion	OCME49	MOOC	B.Tech Regulation 2015	IITG
50	Computational I Fluid Dynamics For Incompressible Flows	OCME50	MOOC	B.Tech Regulation 2015	IITG
51	Financial Mathematics	OCME51	MOOC	B.Tech Regulation 2015	IITR
52	Introduction to Internet of Things	OCME52	MOOC	B.Tech Regulation 2015	IITKGP
53	The joy of computing using Python	OCME53	MOOC	B.Tech Regulation 2015	IITRPR
54	Automation in Manufacturing	OCME54	MOOC	B.Tech Regulation 2015	IITG
55	Welding Processes	OCME55	MOOC	B.Tech Regulation 2015	IITM
56	CAD and Digital Manufacturing Specialization	OCME56	MOOC	B.Tech Regulation 2015	Autodesk
57	Engineering Project Management Specialization	OCME57	MOOC	B.Tech Regulation 2015	Rice University
58	Six Sigma Yellow belt Specialization	OCME58	MOOC	B.Tech Regulation 2015	University System of Georgia
59	Material Science	OCME59	MOOC	B.Tech Regulation 2015	IGNOU
60	Quality Engineering and Management	OCME60	MOOC	B.Tech Regulation 2015	IGNOU
61	Introduction to Air Breathing Propulsion	OCME61	MOOC	B.Tech Regulation 2015	IITK
62	Engineering Meterology	OCME62	MOOC	B.Tech Regulation 2015	IIT Roorkee
63	Heat Transfer	OCME63	MOOC	B.Tech Regulation 2015	IIT Kharagpur
64	Introduction to Robotics	OCME64	MOOC	B.Tech Regulation 2015	IIT Kanpur

65	Introduction to Industry 4.0 and Industrial Internet of Things	OCME65	MOOC	B.Tech Regulation 2015	IIT Kharagpur
MANAGEMENT(COMMON TO ALL BRANCHES)					
1	Business Analytics For Management Decision	OCMG01	MOOC	B.Tech Regulation 2015	IITKGP
2	Soft Skills For Business Negotiations And Marketing Strategies	OCMG02	MOOC	B.Tech Regulation 2015	IITKGP
3	Business analysis and data mining Modeling using R	OCMG03	MOOC	B.Tech Regulation 2015	IITR
4	Financial Statement Analysis and Reporting	OCMG04	MOOC	B.Tech Regulation 2015	IITR
5	Six Sigma	OCMG05	MOOC	B.Tech Regulation 2015	IITKGP
MECHANICAL PRODUCTION ENGINEERING					
1	Fundamentals of Artificial Intelligence	OCMP01	MOOC	B.Tech Regulation 2015	IITG
2	Management of Inventory Systems	OCMP02	MOOC	B.Tech Regulation 2015	IITKGP
3	Product Design and Manufacturing	OCMP03	MOOC	B.Tech Regulation 2015	IITK
4	Six Sigma	OCMP04	MOOC	B.Tech Regulation 2015	IITKGP
5	Operations and Supply Chain Management	OCMP05	MOOC	B.Tech Regulation 2015	IITM
6	Quality Design and Control	OCMP06	MOOC	B.Tech Regulation 2015	IITKGP
7	Advanced Green Manufacturing Systems	OCMP07	MOOC	B.Tech Regulation 2015	IITK
8	Rapid Manufacturing	OCMP08	MOOC	B.Tech Regulation 2015	IITK
9	Fundamentals of Manufacturing Processes	OCMP09	MOOC	B.Tech Regulation 2015	IITR
10	Manufacturing Process Technology I and II	OCMP10	MOOC	B.Tech Regulation 2015	IITK
11	Introduction To Mechanical Micromachining	OCMP11	MOOC	B.Tech Regulation 2015	IITKGP
12	Principles of Mechanical Measurement	OCMP12	MOOC	B.Tech Regulation 2015	IITG
13	IC Engines and Gas Turbines	OCMP13	MOOC	B.Tech Regulation 2015	IITG
14	Advanced Fluid Mechanics	OCMP14	MOOC	B.Tech Regulation 2015	IITKGP
15	Fundamentals of Surface Engineering: Mechanisms, Processes and Characterizations	OCMP15	MOOC	B.Tech Regulation 2015	IITR
MECHATRONICS					
1	Programming in Java	OCMR01	MOOC	B.Tech Regulation 2015	IITKGP
2	Joy of Computing using Python	OCMR02	MOOC	B.Tech Regulation 2015	IITRPR
3	Introduction to Internet of Things	OCMR03	MOOC	B.Tech Regulation 2015	IITKGP
4	Introduction to Industry 4.0 and Industrial Internet of Things	OCMR04	MOOC	B.Tech Regulation 2015	IITKGP
5	Machine Learning for Engineering and Science Applications	OCMR05	MOOC	B.Tech Regulation 2015	IITM
6	Social Networks	OCMR06	MOOC	B.Tech Regulation 2015	IITRPR
7	Embedded Systems Design	OCMR07	MOOC	B.Tech Regulation 2015	IITKGP
8	Introduction to Machine Learning	OCMR08	MOOC	B.Tech Regulation 2015	IITM
9	Industrial Automation And Control	OCMR09	MOOC	B.Tech Regulation 2015	IITKGP
10	Advanced Concepts in Fluid mechanics	OCMR10	MOOC	B.Tech Regulation 2015	IITKGP
11	Non-Conventional Energy Resources	OCMR11	MOOC	B.Tech Regulation 2015	IITM
12	Patent Law For Engineers And Scientists	OCMR12	MOOC	B.Tech Regulation 2015	IITM
13	Virtual Reality Engineering	OCMR13	MOOC	B.Tech Regulation 2015	IITM
14	Developing Android Apps with App Inventor	OCMR14	MOOC	B.Tech Regulation 2015	HKUST
15	IC Engines and Gas Turbains	OCMR15	MOOC	B.Tech Regulation 2015	IITG
PRODUCTION ENGINEERING					
1	Fundamentals of Artificial Intelligence	OCPE01	MOOC	B.Tech Regulation 2015	IITG
2	Operations And Supply Chain Management	OCPE02	MOOC	B.Tech Regulation 2015	IITM
3	Management Of Inventory Systems	OCPE03	MOOC	B.Tech Regulation 2015	IITKGP
4	Advanced Green Manufacturing Systems	OCPE04	MOOC	B.Tech Regulation 2015	IITK

5	Six Sigma	OCPE05	MOOC	B.Tech Regulation 2015	IITKGP
6	Product Design And Manufacturing	OCPE06	MOOC	B.Tech Regulation 2015	IITK
7	Introduction to Internet of Things	OCPE07	MOOC	B.Tech Regulation 2015	IITKGP
8	Introduction to Industry 4.0 and Industrial Internet of Things	OCPE08	MOOC	B.Tech Regulation 2015	IITKGP
9	Introduction to Machine Learning	OCPE09	MOOC	B.Tech Regulation 2015	IITM
10	Machine Learning for Engineering and Science Applications	OCPE10	MOOC	B.Tech Regulation 2015	IITM
11	Data Analytics with Python	OCPE11	MOOC	B.Tech Regulation 2015	IITR
12	Business Analytics and Data Mining Modelling using R	OCPE12	MOOC	B.Tech Regulation 2015	IITR
13	Rapid Manufacturing	OCPE13	MOOC	B.Tech Regulation 2015	IITK
14	Introduction to Composites	OCPE14	MOOC	B.Tech Regulation 2015	IITK
15	Human Resource Development	OCPE15	MOOC	B.Tech Regulation 2015	IITKGP
16	Work System and Design	OCPE16	MOOC	B.Tech Regulation 2015	IITR
17	Thermal Operations in Food Process Engineering: Theory and Applications	OCPE17	MOOC	B.Tech Regulation 2015	IITKGP
18	Industrial Safety Engineering	OCPE18	MOOC	B.Tech Regulation 2015	IITKGP
NAVAL ARCHITECTURE AND SHIP BUIDING					
1	Offshore Structures under Special Environmental Loads including Fire Resistance	OCSB01	MOOC	B.Tech Regulation 2015	IITM
2	Dynamics of Offshore Structures	OCSB02	MOOC	B.Tech Regulation 2015	IITM
3	Computer Methods of Structural Analysis of Offshore Structures	OCSB03	MOOC	B.Tech Regulation 2015	IITM
4	Finite Element Method: Variational methods to Computer Programming	OCSB04	MOOC	B.Tech Regulation 2015	IITKGP
5	Advanced Fluid Mechanics	OCSB05	MOOC	B.Tech Regulation 2015	IITKGP
6	Design of Steel Structures	OCSB06	MOOC	B.Tech Regulation 2015	IITKGP
7	Aqueous Corrosion and its Control	OCSB07	MOOC	B.Tech Regulation 2015	IITB
8	Numerical Methods for Engineers	OCSB08	MOOC	B.Tech Regulation 2015	IITM
9	Introduction to CFD	OCSB09	MOOC	B.Tech Regulation 2015	IITKGP
10	Computer methods of structural analysis of offshore structures	OCSB10	MOOC	B.Tech Regulation 2015	IITM
11	Water economics and governance	OCSB11	MOOC	B.Tech Regulation 2015	IITKGP
12	Reliability of offshore structures	OCSB12	MOOC	B.Tech Regulation 2015	IITM
13	Advanced Fluid Mechanics	OCSB13	MOOC	B.Tech Regulation 2015	IITKGP
14	Introduction to Internet of Things	OCSB14	MOOC	B.Tech Regulation 2015	IITKGP
15	Introduction to Machine learning	OCSB15	MOOC	B.Tech Regulation 2015	IITM
16	Industrial automation and control	OCSB16	MOOC	B.Tech Regulation 2015	IITKGP
17	Introduction to composites	OCSB17	MOOC	B.Tech Regulation 2015	IITK