



NOTICE

Sr.No./ Principal/ ¹² of 2020

Date: 24/01/2020

To: All staff Members & Students

Subject: Notification about SWAYAM - NPTEL courses.

This is to inform you that the **National Programme on Technology Enhanced Learning (NPTEL)**, a project funded by the Ministry of Human Resource Development (MHRD), has started total open online certification courses of various interdisciplinary engineering subjects. NPTEL provides e-learning through online Web and Video courses in Engineering, Sciences, Technology, Management and Humanities. This is a joint initiative by seven IITs and IISc. Bangalore. Other selected premier institutions also act as Associate Partner Institutions. Around **390 (List enclosed)** courses for certification during July -December 2019 Semester are open now for Enrollment and course list is displayed on the respective department's Notice boards.

The Timelines and Guidelines of Jan -April 2020 online courses are as follows:

TIMELINE	4 Weeks (SET 1)	8 Weeks (SET 1)	12 Weeks	4 Weeks (SET 2)	8 Weeks (SET 2)
Start of Course	27-Jan-20	27-Jan-20	27-Jan-20	24-Feb-20	24-Feb-20
End of Course	21-Feb-20	20-Mar-20	17-Apr-20	20-Mar-20	17-Apr-20
Exam Dates - 1	29 March 2020 (2 Sessions on each date : 9am- 12 noon; 2pm-5pm)		25 April 2020 and 26 April 2020 (2 Sessions on each date : 9am- 12 noon; 2pm-5pm)		
Close enrollment to the Course	3-Feb-20		3-Feb-20	24-Feb-2020	
Open exam registration form	16-Dec-19				
Close exam registration form	Feb 17, 2020/Feb 21, 2020 10:00 AM		Mar 16, 2020/Mar 20, 2020 10:00 AM		

To enroll go to <https://swayam.gov.in/NPTEL>.

General guidelines for examination process and course list are also available on above mentioned website.

All the students and faculty members can take this opportunity for advancement of their technical knowledge.

cc: Vice principal/Deans/HODs/ERP/Server Room

Dr. B.K.Mishra
(Principal)

*It should also be
uploaded on ERP / website
link message on the
sent to all faculty & students
through SMS & ...*

NPTEL SWAYAM COURSE LIST (JANUARY 2020 TO APRIL 2020)

Sr. No.	Discipline	Course Name	Course Start Date	Course End Date	Exam date
1	Aerospace Engineering	Introduction to Airplane Performance	January 27, 2020	March 20, 2020	March 29, 2020
2	Aerospace Engineering	Rocket Propulsion	January 27, 2020	April 17, 2020	April 25, 2020
3	Aerospace Engineering	Aircraft Maintenance	January 27, 2020	February 21, 2020	March 29, 2020
4	Applied Mechanics	Engineering Mechanics - Statics and Dynamics	January 27, 2020	March 20, 2020	March 29, 2020
5	Applied Mechanics	Experimental Stress Analysis	January 27, 2020	April 17, 2020	April 26, 2020
6	Architecture and Planning	Sustainable Architecture	January 27, 2020	April 17, 2020	April 25, 2020
7	Architecture and Planning	Introduction to History of Architecture in India	January 27, 2020	February 21, 2020	March 29, 2020
8	Architecture and Planning	Structure, Form, and Architecture : The Synergy	January 27, 2020	March 20, 2020	March 29, 2020
9	Biotechnology & Bioengineering	Forests and their management	January 27, 2020	April 17, 2020	April 25, 2020
10	Biotechnology & Bioengineering	Forest Biometry	January 27, 2020	March 20, 2020	March 29, 2020
11	Biotechnology & Bioengineering	Bioengineering : An Interface with Biology and Medicine	January 27, 2020	March 20, 2020	March 29, 2020
12	Biotechnology & Bioengineering	Human Molecular Genetics	January 27, 2020	February 21, 2020	March 29, 2020
13	Biotechnology & Bioengineering	Interactomics : Basics & Applications	January 27, 2020	April 17, 2020	April 25, 2020
14	Biotechnology & Bioengineering	Bioenergetics of Life Processes	February 24, 2020	March 20, 2020	April 26, 2020
15	Biotechnology & Bioengineering	Material and Energy Balances	January 27, 2020	April 17, 2020	April 25, 2020
16	Biotechnology & Bioengineering	Computational Systems Biology	January 27, 2020	April 17, 2020	April 25, 2020
17	Biotechnology & Bioengineering	Bio-Informatics : Algorithms and Applications	January 27, 2020	April 17, 2020	April 26, 2020
18	Biotechnology & Bioengineering	Biostatistics and Design of experiments	January 27, 2020	March 20, 2020	March 29, 2020
19	Biotechnology & Bioengineering	Medical Biomaterials	February 24, 2020	April 17, 2020	April 25, 2020
20	Biotechnology & Bioengineering	Introductory Mathematical Methods for Biologists	February 24, 2020	April 17, 2020	April 26, 2020
21	Biotechnology & Bioengineering	Thermodynamics for Biological Systems : Classical and Statistical Aspect	January 27, 2020	April 17, 2020	April 26, 2020
22	Biotechnology & Bioengineering	Demystifying the Brain	January 27, 2020	February 21, 2020	March 29, 2020
23	Biotechnology & Bioengineering	Optical Spectroscopy and Microscopy : Fundamentals of optical measurements and instrumentation	January 27, 2020	April 17, 2020	April 25, 2020
24	Biotechnology & Bioengineering	Principles and Applications of NMR Spectroscopy	January 27, 2020	March 20, 2020	March 29, 2020
25	Biotechnology & Bioengineering	Cell Culture Technologies	February 24, 2020	April 17, 2020	April 25, 2020
26	Biotechnology & Bioengineering	Introduction to Professional Scientific Communication	January 27, 2020	February 21, 2020	March 29, 2020
27	Chemical Engineering	Computational Fluid Dynamics	January 27, 2020	April 17, 2020	April 26, 2020
28	Chemical Engineering	Transport processes I - Heat and Mass Transfer	January 27, 2020	April 17, 2020	April 26, 2020
29	Chemical Engineering	Process Control - Design, Analysis and Assessment	January 27, 2020	April 17, 2020	April 26, 2020
30	Chemical Engineering	Heat Transfer	January 27, 2020	April 17, 2020	April 26, 2020
31	Chemical Engineering	Chemical Reaction Engineering II	January 27, 2020	April 17, 2020	April 25, 2020
32	Chemical Engineering	Mass Transfer Operations - I	January 27, 2020	April 17, 2020	April 26, 2020

33	Chemical Engineering	Basic Principles and Calculations in Chemical Engineering	January 27, 2020	April 17, 2020	April 26, 2020
34	Chemical Engineering	Equipment Design : Mechanical Aspects	January 27, 2020	February 21, 2020	March 29, 2020
35	Chemical Engineering	Transport phenomena	January 27, 2020	April 17, 2020	April 26, 2020
36	Chemical Engineering	Waste to Energy Conversion	January 27, 2020	March 20, 2020	March 29, 2020
37	Chemical Engineering	Environmental Quality Monitoring & Analysis	January 27, 2020	April 17, 2020	April 25, 2020
38	Chemical Engineering	Electrochemical Technology in Pollution Control	January 27, 2020	March 20, 2020	March 29, 2020
39	Chemical Engineering	Advanced Thermodynamics	January 27, 2020	April 17, 2020	April 26, 2020
40	Chemical Engineering	Membrane Technology	January 27, 2020	April 17, 2020	April 25, 2020
41	Chemical Engineering	Optimization in Chemical Engineering	January 27, 2020	April 17, 2020	April 25, 2020
42	Chemical Engineering	Introduction To Process Modeling In The Membrane Separation Process	February 24, 2020	March 20, 2020	April 25, 2020
43	Chemical Engineering	Soft Nano Technology	January 27, 2020	March 20, 2020	March 29, 2020
44	Chemical Engineering	Multiphase Flows	January 27, 2020	March 20, 2020	March 29, 2020
45	Chemical Engineering	An Introduction to Cardiovascular Fluid Mechanics	January 27, 2020	February 21, 2020	March 29, 2020
46	Chemical Engineering	Computer Aided Applied Single Objective Optimization	January 27, 2020	March 20, 2020	March 29, 2020
47	Chemistry	Organometallic Chemistry	January 27, 2020	February 21, 2020	March 29, 2020
48	Chemistry	Medicinal Chemistry	January 27, 2020	April 17, 2020	April 25, 2020
49	Chemistry	Basics in Inorganic Chemistry	January 27, 2020	February 21, 2020	March 29, 2020
50	Chemistry	Biochemistry	January 27, 2020	April 17, 2020	April 26, 2020
51	Chemistry	Basic thermodynamics : Classical and Statistical Approaches	January 27, 2020	April 17, 2020	April 26, 2020
52	Chemistry	Advanced Chemical Thermodynamics and Kinetics	January 27, 2020	April 17, 2020	April 25, 2020
53	Chemistry	Quantitative Methods in Chemistry	January 27, 2020	April 17, 2020	April 26, 2020
54	Chemistry	Ultrafast laser spectroscopy	January 27, 2020	April 17, 2020	April 25, 2020
55	Chemistry	Transition Metal Organometallics in Catalysis and Biology	January 27, 2020	April 17, 2020	April 25, 2020
56	Chemistry	Essentials of Biomolecules : Nucleic Acids and Peptides	January 27, 2020	April 17, 2020	April 26, 2020
57	Chemistry	Fundamentals of Spectroscopy	January 27, 2020	April 17, 2020	April 26, 2020
58	Chemistry	Reactive Intermediates Carbene and Nitrene	February 24, 2020	March 20, 2020	April 26, 2020
59	Chemistry	Chemical Applications of Symmetry and Group Theory	January 27, 2020	March 20, 2020	March 29, 2020
60	Chemistry	Pericyclic Reactions and Organic Photochemistry	February 24, 2020	April 17, 2020	April 25, 2020
61	Civil Engineering	Introduction to Civil Engineering Profession	January 27, 2020	March 20, 2020	March 29, 2020
62	Civil Engineering	Modern Construction Materials	January 27, 2020	April 17, 2020	April 25, 2020
63	Civil Engineering	Characterization of Construction Materials	January 27, 2020	April 17, 2020	April 26, 2020
64	Civil Engineering	Advanced Topics in the Science and Technology of Concrete	January 27, 2020	February 21, 2020	March 29, 2020
65	Civil Engineering	Geotechnical Engineering - 1	January 27, 2020	April 17, 2020	April 26, 2020

66	Civil Engineering	Geotechnical Engineering II Foundation Engineering	January 27, 2020	April 17, 2020	April 26, 2020
67	Civil Engineering	Environmental Geomechanics	January 27, 2020	April 17, 2020	April 26, 2020
68	Civil Engineering	Mechanical Characterization of Bituminous Materials	January 27, 2020	April 17, 2020	April 25, 2020
69	Civil Engineering	Landscape Architecture and Site Planning - Basic Fundamentals	February 24, 2020	April 17, 2020	April 25, 2020
70	Civil Engineering	Structural Dynamics	January 27, 2020	April 17, 2020	April 26, 2020
71	Civil Engineering	Maintenance and Repair of Concrete Structures	January 27, 2020	April 17, 2020	April 25, 2020
72	Civil Engineering	Soil Structure Interaction	January 27, 2020	April 17, 2020	April 26, 2020
73	Civil Engineering	Geosynthetics and Reinforced Soil Structures	January 27, 2020	April 17, 2020	April 25, 2020
74	Civil Engineering	Energy Efficiency, Acoustics and Daylighting in Building	January 27, 2020	April 17, 2020	April 26, 2020
75	Civil Engineering	Natural Hazards	January 27, 2020	March 20, 2020	March 29, 2020
76	Civil Engineering	Fire Protection, Services and Maintenance Management of Building	January 27, 2020	April 17, 2020	April 25, 2020
77	Civil Engineering	Electronic Waste Management - Issues And Challenges	January 27, 2020	February 21, 2020	March 29, 2020
78	Civil Engineering	Plastic Waste Management	January 27, 2020	March 20, 2020	March 29, 2020
79	Civil Engineering	Architectural Conservation And Historic Preservation	February 24, 2020	April 17, 2020	April 26, 2020
80	Civil Engineering	Higher Surveying	January 27, 2020	April 17, 2020	April 26, 2020
81	Civil Engineering	Applied Environmental Microbiology	January 27, 2020	April 17, 2020	April 25, 2020
82	Civil Engineering	Digital Land Surveying And Mapping (DLS&M)	February 24, 2020	April 17, 2020	April 25, 2020
83	Civil Engineering	Introduction to Geographic Information Systems	January 27, 2020	February 21, 2020	March 29, 2020
84	Civil Engineering	Geo Spatial Analysis in Urban Planning	January 27, 2020	February 21, 2020	March 29, 2020
85	Civil Engineering	Geomorphology	January 27, 2020	April 17, 2020	April 26, 2020
86	Civil Engineering	Remote Sensing Essentials	January 27, 2020	April 17, 2020	April 26, 2020
87	Civil Engineering	Water Supply Engineering	January 27, 2020	April 17, 2020	April 26, 2020
88	Civil Engineering	Hydraulic Engineering	January 27, 2020	April 17, 2020	April 25, 2020
89	Civil Engineering	Environmental Remediation of Contaminated Sites	January 27, 2020	April 17, 2020	April 26, 2020
90	Civil Engineering	Introduction to Accounting and Finance for Civil Engineers	January 27, 2020	March 20, 2020	March 29, 2020
91	Civil Engineering	Earthquake Geology:A tool for Seismic Hazard Assessment	January 27, 2020	April 17, 2020	April 25, 2020
92	Computer Science and Engineering	Problem solving through Programming In C	January 27, 2020	April 17, 2020	April 25, 2020
93	Computer Science and Engineering	Programming in C++	January 27, 2020	March 20, 2020	March 29, 2020
94	Computer Science and Engineering	Programming in Java	January 27, 2020	April 17, 2020	April 26, 2020
95	Computer Science and Engineering	The Joy of Computing using Python	January 27, 2020	April 17, 2020	April 25, 2020

96	Computer Science and Engineering	Programming, Data Structures And Algorithms Using Python	January 27, 2020	March 20, 2020	March 29, 2020
97	Computer Science and Engineering	An Introduction To Programming Through C++	January 27, 2020	April 17, 2020	April 26, 2020
98	Computer Science and Engineering	Data Base Management System	January 27, 2020	March 20, 2020	March 29, 2020
99	Computer Science and Engineering	Introduction to Database Systems	January 27, 2020	April 17, 2020	April 26, 2020
100	Computer Science and Engineering	Design and analysis of algorithms	January 27, 2020	March 20, 2020	March 29, 2020
101	Computer Science and Engineering	Introduction to algorithms and analysis	January 27, 2020	April 17, 2020	April 25, 2020
102	Computer Science and Engineering	Randomized Algorithms	January 27, 2020	April 17, 2020	April 25, 2020
103	Computer Science and Engineering	Discrete Mathematics	January 27, 2020	April 17, 2020	April 25, 2020
104	Computer Science and Engineering	Foundations to Computer Systems Design	January 27, 2020	April 17, 2020	April 25, 2020
105	Computer Science and Engineering	Operating System	January 27, 2020	April 17, 2020	April 25, 2020
106	Computer Science and Engineering	Real Time Operating System	February 24, 2020	March 20, 2020	April 25, 2020
107	Computer Science and Engineering	Computational Geometry	January 27, 2020	April 17, 2020	April 25, 2020
108	Computer Science and Engineering	Data Science for Engineers	January 27, 2020	March 20, 2020	March 29, 2020
109	Computer Science and Engineering	Python for Data Science	January 27, 2020	February 21, 2020	March 29, 2020
110	Computer Science and Engineering	Data Analytics with Python	January 27, 2020	April 17, 2020	April 25, 2020
111	Computer Science and Engineering	Introduction to Machine Learning	January 27, 2020	April 17, 2020	April 26, 2020
112	Computer Science and Engineering	Machine Learning, ML	February 24, 2020	April 17, 2020	April 26, 2020
113	Computer Science and Engineering	Practical Machine Learning with Tensorflow	January 27, 2020	March 20, 2020	March 29, 2020
114	Computer Science and Engineering	An Introduction to Artificial Intelligence	January 27, 2020	April 17, 2020	April 26, 2020
115	Computer Science and Engineering	Artificial Intelligence : Knowledge Representation And Reasoning	January 27, 2020	April 17, 2020	April 25, 2020
116	Computer Science and Engineering	Deep Learning (IITKGP)	January 27, 2020	April 17, 2020	April 25, 2020

117	Computer Science and Engineering	Data Mining	February 24, 2020	April 17, 2020	April 25, 2020
118	Computer Science and Engineering	Computer Architecture	January 27, 2020	April 17, 2020	April 26, 2020
119	Computer Science and Engineering	Compiler Design	January 27, 2020	April 17, 2020	April 25, 2020
120	Computer Science and Engineering	Embedded Systems Design	January 27, 2020	April 17, 2020	April 26, 2020
121	Computer Science and Engineering	VLSI Physical Design	January 27, 2020	April 17, 2020	April 26, 2020
122	Computer Science and Engineering	Embedded System Design with ARM	January 27, 2020	March 20, 2020	March 29, 2020
123	Computer Science and Engineering	Introduction To Soft Computing	January 27, 2020	March 20, 2020	March 29, 2020
124	Computer Science and Engineering	Software Testing	January 27, 2020	February 21, 2020	March 29, 2020
125	Computer Science and Engineering	Cloud computing	February 24, 2020	April 17, 2020	April 26, 2020
126	Computer Science and Engineering	Cloud Computing and Distributed Systems	January 27, 2020	March 20, 2020	March 29, 2020
127	Computer Science and Engineering	Google Cloud Computing Foundation Course	February 24, 2020	April 17, 2020	April 25, 2020
128	Computer Science and Engineering	Introduction to internet of things	January 27, 2020	April 17, 2020	April 25, 2020
129	Computer Science and Engineering	Introduction to Industry 4.0 and Industrial Internet of Things	January 27, 2020	April 17, 2020	April 26, 2020
130	Computer Science and Engineering	Computer Networks and Internet Protocol	January 27, 2020	April 17, 2020	April 25, 2020
131	Computer Science and Engineering	Privacy and Security in Online Social Media	February 24, 2020	April 17, 2020	April 26, 2020
132	Computer Science and Engineering	Social Networks	January 27, 2020	April 17, 2020	April 26, 2020
133	Computer Science and Engineering	Deep Learning - Part 1(IIT Ropar)	January 27, 2020	April 17, 2020	April 26, 2020
134	Computer Science and Engineering	Reinforcement Learning	January 27, 2020	April 17, 2020	April 25, 2020
135	Computer Science and Engineering	Modern Application Development	January 27, 2020	April 17, 2020	April 25, 2020
136	Computer Science and Engineering	Information Security - 5 - Secure Systems Engineering	January 27, 2020	March 20, 2020	March 29, 2020

137	Computer Science and Engineering	Model Checking	January 27, 2020	April 17, 2020	April 25, 2020
138	Computer Science and Engineering	GPU Architectures and Programming	January 27, 2020	April 17, 2020	April 26, 2020
139	Computer Science and Engineering	Multi-Core Computer Architecture - Storage and Interconnects	February 24, 2020	April 17, 2020	April 25, 2020
140	Computer Science and Engineering	User-centric Computing for Human-Computer Interaction	January 27, 2020	March 20, 2020	March 29, 2020
141	Computer Science and Engineering	Arithmetic Circuit Complexity	January 27, 2020	April 17, 2020	April 25, 2020
142	Computer Science and Engineering	Introduction to Blockchain Technology and Applications	February 24, 2020	April 17, 2020	April 25, 2020
143	Computer Science and Engineering	Foundations of Cryptography	January 27, 2020	April 17, 2020	April 25, 2020
144	Computer Science and Engineering	Cryptography and Network Security	January 27, 2020	April 17, 2020	April 25, 2020
145	Computer Science and Engineering	Design and pedagogy of the introductory programming course	February 24, 2020	March 20, 2020	April 26, 2020
146	Design Engineering	Understanding Design	February 24, 2020	March 20, 2020	April 25, 2020
147	Design Engineering	Innovation by Design	February 24, 2020	March 20, 2020	April 26, 2020
148	Design Engineering	Design, Technology and Innovation	February 24, 2020	April 17, 2020	April 25, 2020
149	Design Engineering	Geographic Information System	January 27, 2020	April 17, 2020	April 25, 2020
150	Design Engineering	Product Design and Innovation	January 27, 2020	February 21, 2020	March 29, 2020
151	Design Engineering	Fundamentals of Automotive Systems	January 27, 2020	April 17, 2020	April 25, 2020
152	Electrical and Electronics Engineering	Principles of Signals and Systems	January 27, 2020	April 17, 2020	April 26, 2020
153	Electrical and Electronics Engineering	Signals and Systems	January 27, 2020	April 17, 2020	April 26, 2020
154	Electrical and Electronics Engineering	Principles of Communication Systems - I	January 27, 2020	April 17, 2020	April 26, 2020
155	Electrical and Electronics Engineering	Principles of Digital Communication	January 27, 2020	April 17, 2020	April 25, 2020
156	Electrical and Electronics Engineering	Discrete Time Signal Processing	January 27, 2020	March 20, 2020	March 29, 2020
157	Electrical and Electronics Engineering	Mathematical Methods and Techniques in Signal Processing	January 27, 2020	April 17, 2020	April 26, 2020
158	Electrical and Electronics Engineering	Statistical Signal Processing	January 27, 2020	April 17, 2020	April 25, 2020
159	Electrical and Electronics Engineering	Multirate DSP	January 27, 2020	April 17, 2020	April 25, 2020

160	Electrical and Electronics Engineering	Fundamentals of MIMO Wireless Communication	January 27, 2020	March 20, 2020	March 29, 2020
161	Electrical and Electronics Engineering	Spread Spectrum Communications and Jamming	January 27, 2020	April 17, 2020	April 26, 2020
162	Electrical and Electronics Engineering	Evolution of Air Interface towards 5G	February 24, 2020	April 17, 2020	April 25, 2020
163	Electrical and Electronics Engineering	Integrated Circuits, MOSFETs, OP-Amps and their Applications	January 27, 2020	April 17, 2020	April 25, 2020
164	Electrical and Electronics Engineering	Network Analysis	January 27, 2020	April 17, 2020	April 26, 2020
165	Electrical and Electronics Engineering	Analog Circuits	January 27, 2020	March 20, 2020	March 29, 2020
166	Electrical and Electronics Engineering	Analog Circuits	January 27, 2020	April 17, 2020	April 25, 2020
167	Electrical and Electronics Engineering	Analog Electronic Circuits	January 27, 2020	April 17, 2020	April 26, 2020
168	Electrical and Electronics Engineering	Analog Circuits and Systems through SPICE Simulation	January 27, 2020	April 17, 2020	April 25, 2020
169	Electrical and Electronics Engineering	Digital Electronic Circuits	January 27, 2020	April 17, 2020	April 25, 2020
170	Electrical and Electronics Engineering	Electronics equipment integration and Prototype building	January 27, 2020	March 20, 2020	March 29, 2020
171	Electrical and Electronics Engineering	High Power Multilevel Converters- Analysis, design and operational issues	January 27, 2020	April 17, 2020	April 25, 2020
172	Electrical and Electronics Engineering	Advance power electronics and Control	January 27, 2020	March 20, 2020	March 29, 2020
173	Electrical and Electronics Engineering	Transmission lines and electromagnetic waves	January 27, 2020	April 17, 2020	April 26, 2020
174	Electrical and Electronics Engineering	Recent Advances in Transmission Insulator	January 27, 2020	February 21, 2020	March 29, 2020
175	Electrical and Electronics Engineering	Antennas	January 27, 2020	April 17, 2020	April 25, 2020
176	Electrical and Electronics Engineering	Basic Building Blocks of Microwave Engineering & Design Principles of RF and Microwave Filters and Amplifiers	January 27, 2020	March 20, 2020	March 29, 2020
177	Electrical and Electronics Engineering	Microwave Integrated Circuits	January 27, 2020	March 20, 2020	March 29, 2020
178	Electrical and Electronics Engineering	Fundamentals of semiconductor devices	January 27, 2020	April 17, 2020	April 26, 2020
179	Electrical and Electronics Engineering	Analog IC Design	January 27, 2020	April 17, 2020	April 26, 2020

180	Electrical and Electronics Engineering	Digital IC Design	January 27, 2020	April 17, 2020	April 26, 2020
181	Electrical and Electronics Engineering	Architectural Design of Digital Integrated Circuits	January 27, 2020	April 17, 2020	April 25, 2020
182	Electrical and Electronics Engineering	CMOS Digital VLSI Design	January 27, 2020	March 20, 2020	March 29, 2020
183	Electrical and Electronics Engineering	VLSI Signal Processing	February 24, 2020	April 17, 2020	April 26, 2020
184	Electrical and Electronics Engineering	Microprocessors And Microcontrollers	January 27, 2020	April 17, 2020	April 25, 2020
185	Electrical and Electronics Engineering	Microprocessors and Interfacing	January 27, 2020	April 17, 2020	April 26, 2020
186	Electrical and Electronics Engineering	Power Management Integrated Circuits	January 27, 2020	April 17, 2020	April 26, 2020
187	Electrical and Electronics Engineering	Electrical Machines - II	January 27, 2020	April 17, 2020	April 25, 2020
188	Electrical and Electronics Engineering	DC Power Transmission Systems	January 27, 2020	April 17, 2020	April 25, 2020
189	Electrical and Electronics Engineering	Power Quality Improvement Technique	January 27, 2020	March 20, 2020	March 29, 2020
190	Electrical and Electronics Engineering	Power System Engineering	January 27, 2020	April 17, 2020	April 25, 2020
191	Electrical and Electronics Engineering	Design and Simulation of Power conversion using open source tools	January 27, 2020	February 21, 2020	March 29, 2020
192	Electrical and Electronics Engineering	Control engineering	January 27, 2020	April 17, 2020	April 25, 2020
193	Electrical and Electronics Engineering	Linear Dynamical Systems	January 27, 2020	March 20, 2020	March 29, 2020
194	Electrical and Electronics Engineering	Nonlinear System Analysis	January 27, 2020	April 17, 2020	April 26, 2020
195	Electrical and Electronics Engineering	Nonlinear Adaptive Control	January 27, 2020	February 21, 2020	March 29, 2020
196	Electrical and Electronics Engineering	A brief introduction of Micro - Sensors	January 27, 2020	February 21, 2020	March 29, 2020
197	Electrical and Electronics Engineering	Introduction to Photonics	January 27, 2020	April 17, 2020	April 25, 2020
198	Electrical and Electronics Engineering	Optical Engineering	January 27, 2020	April 17, 2020	April 26, 2020
199	Electrical and Electronics Engineering	Medical Image Analysis	February 24, 2020	March 20, 2020	April 25, 2020

200	Electrical and Electronics Engineering	Biomedical Signal Processing	January 27, 2020	April 17, 2020	April 25, 2020
201	Electrical and Electronics Engineering	Electronic Systems for Cancer Diagnosis	January 27, 2020	April 17, 2020	April 26, 2020
202	Electrical and Electronics Engineering	Electric Vehicles - Part 1	February 24, 2020	March 20, 2020	April 26, 2020
203	Electrical and Electronics Engineering	Fuzzy Sets, Logic and Systems & Applications	January 27, 2020	April 17, 2020	April 25, 2020
204	Humanities and Social Sciences	Microeconomics : Theory & Applications	January 27, 2020	April 17, 2020	April 25, 2020
205	Humanities and Social Sciences	Introduction to Environmental Economics	January 27, 2020	April 17, 2020	April 26, 2020
206	Humanities and Social Sciences	Energy Resources, Economics and Environment	January 27, 2020	April 17, 2020	April 25, 2020
207	Humanities and Social Sciences	Strategic Trade and protectionism - Theories and Empirics	January 27, 2020	March 20, 2020	March 29, 2020
208	Humanities and Social Sciences	Economic Growth & Development	January 27, 2020	March 20, 2020	March 29, 2020
209	Humanities and Social Sciences	Literary Criticism (From Plato to Leavis)	January 27, 2020	April 17, 2020	April 26, 2020
210	Humanities and Social Sciences	Twentieth Century Fiction	January 27, 2020	April 17, 2020	April 25, 2020
211	Humanities and Social Sciences	English Literature for competitive exams	January 27, 2020	March 20, 2020	March 29, 2020
212	Humanities and Social Sciences	Language and Mind	January 27, 2020	March 20, 2020	March 29, 2020
213	Humanities and Social Sciences	The Nineteenth - Century English Novel	January 27, 2020	April 17, 2020	April 25, 2020
214	Humanities and Social Sciences	English Literature of the Romantic Period, 1798 - 1832	January 27, 2020	March 20, 2020	March 29, 2020
215	Humanities and Social Sciences	Literature, Culture and Media	January 27, 2020	April 17, 2020	April 26, 2020
216	Humanities and Social Sciences	Introduction to Modern Indian Drama	February 24, 2020	April 17, 2020	April 25, 2020
217	Humanities and Social Sciences	Introduction to World Literature	January 27, 2020	April 17, 2020	April 25, 2020
218	Humanities and Social Sciences	Modern Indian Writing in Translation	January 27, 2020	April 17, 2020	April 25, 2020
219	Humanities and Social Sciences	Introduction to Modern Indian Political Thought	January 27, 2020	April 17, 2020	April 25, 2020
220	Humanities and Social Sciences	Introduction to Political Theory	January 27, 2020	April 17, 2020	April 25, 2020
221	Humanities and Social Sciences	Introduction to Political Ideologies : Contexts, Ideas, and Practices	January 27, 2020	April 17, 2020	April 25, 2020
222	Humanities and Social Science	Feminism : Concepts and Theories	January 27, 2020	April 17, 2020	April 26, 2020
223	Humanities and Social Sciences	Introduction to Cultural Studies	January 27, 2020	April 17, 2020	April 26, 2020
224	Humanities and Social Sciences	Effective Writing	January 27, 2020	February 21, 2020	March 29, 2020
225	Humanities and Social Sciences	Understanding Design Thinking & People Centred Design	February 24, 2020	March 20, 2020	April 25, 2020
226	Humanities and Social Sciences	Introduction to Indian Art - An appreciation	February 24, 2020	March 20, 2020	April 25, 2020
227	Humanities and Social Sciences	Enhancing Soft Skills and Personality	February 24, 2020	April 17, 2020	April 25, 2020
228	Humanities and Social Sciences	Soft Skill Development	January 27, 2020	March 20, 2020	March 29, 2020
229	Humanities and Social Sciences	Emotional Intelligence	January 27, 2020	March 20, 2020	March 29, 2020
230	Humanities and Social Sciences	Speaking Effectively	January 27, 2020	March 20, 2020	March 29, 2020
231	Humanities and Social Sciences	Employment Communication A Lab based course	January 27, 2020	March 20, 2020	March 29, 2020
232	Humanities and Social Sciences	English Language for Competitive Exams	January 27, 2020	April 17, 2020	April 25, 2020

233	Humanities and Social Sciences	Intellectual Property	January 27, 2020	April 17, 2020	April 26, 2020
234	Humanities and Social Sciences	Patent Drafting for Beginners	January 27, 2020	February 21, 2020	March 29, 2020
235	Humanities and Social Sciences	Patent Law for Engineers and Scientists	January 27, 2020	April 17, 2020	April 25, 2020
236	Humanities and Social Sciences	Human Behaviour	January 27, 2020	March 20, 2020	March 29, 2020
237	Humanities and Social Sciences	Strategic Performance Management	February 24, 2020	April 17, 2020	April 25, 2020
238	Humanities and Social Sciences	Introduction to Cognitive Psychology	January 27, 2020	April 17, 2020	April 26, 2020
239	Humanities and Social Sciences	Indian Business History	January 27, 2020	March 20, 2020	March 29, 2020
240	Humanities and Social Sciences	Introduction to Basic Spoken Sanskrit	February 24, 2020	March 20, 2020	April 26, 2020
241	Humanities and Social Sciences	German - II	January 27, 2020	April 17, 2020	April 25, 2020
242	Humanities and Social Sciences	German - I	January 27, 2020	April 17, 2020	April 26, 2020
243	Humanities and Social Science	Introduction to Brain & Behaviour	February 24, 2020	April 17, 2020	April 26, 2020
244	Management	Design Thinking - A Primer	February 24, 2020	March 20, 2020	April 25, 2020
245	Management	Infrastructure Planning and Managements	January 27, 2020	April 17, 2020	April 26, 2020
246	Management	Introduction to Stochastic Processes	January 27, 2020	April 17, 2020	April 25, 2020
247	Management	Introduction to System Dynamics Modeling	January 27, 2020	March 20, 2020	March 29, 2020
248	Management	Services Marketing : Integrating People, Technology, Strategy	February 24, 2020	April 17, 2020	April 25, 2020
249	Management	Integrated Marketing Management	January 27, 2020	March 20, 2020	March 29, 2020
250	Management	Services Marketing : A Practical Approach	January 27, 2020	February 21, 2020	March 29, 2020
251	Management	Global Marketing Management	February 24, 2020	April 17, 2020	April 26, 2020
252	Management	Marketing Research and Analysis - II	January 27, 2020	April 17, 2020	April 26, 2020
253	Management	Production and Operation Management	January 27, 2020	April 17, 2020	April 25, 2020
254	Management	Management of New Products and Services	January 27, 2020	February 21, 2020	March 29, 2020
255	Management	Management of Inventory Systems	January 27, 2020	April 17, 2020	April 26, 2020
256	Management	Quality Design And Control	January 27, 2020	April 17, 2020	April 26, 2020
257	Management	Six Sigma	January 27, 2020	April 17, 2020	April 26, 2020
258	Management	Supply Chain Analytics	January 27, 2020	March 20, 2020	March 29, 2020
259	Management	Modelling and Analytics for Supply Chain Management	January 27, 2020	April 17, 2020	April 26, 2020
260	Management	Sales and Distribution Management	February 24, 2020	April 17, 2020	April 26, 2020
261	Management	Business Analytics For Management Decision	January 27, 2020	April 17, 2020	April 26, 2020
262	Management	Consumer Behaviour	January 27, 2020	March 20, 2020	March 29, 2020
263	Management	Principles of Human Resource Management	January 27, 2020	March 20, 2020	March 29, 2020
264	Management	Managerial Skills for Interpersonal Dynamics	January 27, 2020	April 17, 2020	April 25, 2020
265	Management	Managing change in organizations	January 27, 2020	March 20, 2020	March 29, 2020
266	Management	Foundation Course in Managerial Economics	January 27, 2020	March 20, 2020	March 29, 2020
267	Management	Engineering Econometrics	January 27, 2020	April 17, 2020	April 25, 2020
268	Management	Financial Institutions and Markets	January 27, 2020	April 17, 2020	April 25, 2020
269	Management	Financial Statement Analysis and Reporting	January 27, 2020	April 17, 2020	April 25, 2020

270	Management	Business Statistics	January 27, 2020	April 17, 2020	April 25, 2020
271	Management	Business analytics and data mining Modeling using R	January 27, 2020	April 17, 2020	April 26, 2020
272	Management	Marketing Analytics	January 27, 2020	April 17, 2020	April 26, 2020
273	Management	Financial Management For Managers	January 27, 2020	April 17, 2020	April 26, 2020
274	Management	Management of Commercial Banking	January 27, 2020	April 17, 2020	April 26, 2020
275	Management	Behavioral and Personal Finance	January 27, 2020	March 20, 2020	March 29, 2020
276	Management	Total Quality Management - I	January 27, 2020	March 20, 2020	March 29, 2020
277	Management	Entrepreneurship	January 27, 2020	April 17, 2020	April 26, 2020
278	Management	Introduction to Operations Research	February 24, 2020	April 17, 2020	April 26, 2020
279	Management	Simulation of Business Systems: An Applied Approach	January 27, 2020	March 20, 2020	March 29, 2020
280	Mathematics	Basic Real Analysis	January 27, 2020	April 17, 2020	April 26, 2020
281	Mathematics	Basic Linear Algebra	February 24, 2020	April 17, 2020	April 26, 2020
282	Mathematics	Linear Algebra	January 27, 2020	April 17, 2020	April 25, 2020
283	Mathematics	Introduction To Rings And Fields	January 27, 2020	March 20, 2020	March 29, 2020
284	Mathematics	Numerical Linear Algebra	January 27, 2020	April 17, 2020	April 26, 2020
285	Mathematics	Ordinary and Partial Differential Equations and Applications	January 27, 2020	April 17, 2020	April 25, 2020
286	Mathematics	Advanced Engineering Mathematics	January 27, 2020	April 17, 2020	April 26, 2020
287	Mathematics	Mathematical Methods and its Applications	January 27, 2020	April 17, 2020	April 25, 2020
288	Mathematics	Engineering Mathematics II	January 27, 2020	April 17, 2020	April 26, 2020
289	Mathematics	Numerical Methods : Finite difference approach	January 27, 2020	February 21, 2020	March 29, 2020
290	Mathematics	An introduction to smooth manifolds	January 27, 2020	April 17, 2020	April 25, 2020
291	Mathematics	Measure Theory	January 27, 2020	April 17, 2020	April 25, 2020
292	Mathematics	Introduction to Algebraic Geometry and Commutative Algebra	January 27, 2020	April 17, 2020	April 26, 2020
293	Mathematics	Probabilistic Methods in PDE	January 27, 2020	April 17, 2020	April 26, 2020
294	Mathematics	Graph Theory	January 27, 2020	March 20, 2020	March 29, 2020
295	Mathematics	Transform Calculus and its applications in Differential Equations	January 27, 2020	April 17, 2020	April 26, 2020
296	Mathematics	Integral and Vector Calculus	January 27, 2020	April 17, 2020	April 25, 2020
297	Mathematics	Multivariable calculus	January 27, 2020	March 20, 2020	March 29, 2020
298	Mathematics	Advanced Probability Theory	January 27, 2020	April 17, 2020	April 26, 2020
299	Mathematics	Statistical Inference	January 27, 2020	March 20, 2020	March 29, 2020
300	Mathematics	Chaotic Dynamical System	January 27, 2020	April 17, 2020	April 25, 2020
301	Mathematics	Introduction to probability and Statistics	January 27, 2020	February 21, 2020	March 29, 2020
302	Mathematics	Descriptive Statistics with R Software	February 24, 2020	April 17, 2020	April 25, 2020
303	Mechanical Engineering	Power Plant Engineering	January 27, 2020	March 20, 2020	March 29, 2020

304	Mechanical Engineering	Steam and Gas Power Systems	February 24, 2020	April 17, 2020	April 26, 2020
305	Mechanical Engineering	Fundamentals of Nuclear Power Generation	January 27, 2020	April 17, 2020	April 26, 2020
306	Mechanical Engineering	IC Engines and Gas Turbines	January 27, 2020	April 17, 2020	April 26, 2020
307	Mechanical Engineering	Laws of Thermodynamics	January 27, 2020	February 21, 2020	March 29, 2020
308	Mechanical Engineering	Conduction and Convection Heat Transfer	January 27, 2020	April 17, 2020	April 25, 2020
309	Mechanical Engineering	Convective Heat Transfer	February 24, 2020	March 20, 2020	April 26, 2020
310	Mechanical Engineering	Two phase flow and heat transfer	January 27, 2020	February 21, 2020	March 29, 2020
311	Mechanical Engineering	Fundamentals of combustion for propulsion	January 27, 2020	March 20, 2020	March 29, 2020
312	Mechanical Engineering	Introduction To Fluid Mechanics	January 27, 2020	April 17, 2020	April 26, 2020
313	Mechanical Engineering	Manufacturing Process Technology I & II	January 27, 2020	April 17, 2020	April 26, 2020
314	Mechanical Engineering	Computer Integrated Manufacturing	January 27, 2020	April 17, 2020	April 26, 2020
315	Mechanical Engineering	Machining Science	January 27, 2020	February 21, 2020	March 29, 2020
316	Mechanical Engineering	Introduction To Mechanical Micro Machining	January 27, 2020	April 17, 2020	April 26, 2020
317	Mechanical Engineering	Metal Cutting And Machine Tools	February 24, 2020	March 20, 2020	April 25, 2020
318	Mechanical Engineering	Mechanics of Machining	January 27, 2020	March 20, 2020	March 29, 2020
319	Mechanical Engineering	Introduction to Abrasive Machining and Finishing Processes	January 27, 2020	March 20, 2020	March 29, 2020
320	Mechanical Engineering	Non Traditional Abrasive Machining Processes Ultrasonic, Abrasive Jet and Abrasive Water Jet Machining	January 27, 2020	February 21, 2020	March 29, 2020
321	Mechanical Engineering	Gear And Gear Unit Design : Theory And Practice	February 24, 2020	April 17, 2020	April 25, 2020
322	Mechanical Engineering	Fundamental of Welding Science and Technology	January 27, 2020	March 20, 2020	March 29, 2020
323	Mechanical Engineering	Principles of Casting Technology	January 27, 2020	March 20, 2020	March 29, 2020
324	Mechanical Engineering	Product Design and Manufacturing	January 27, 2020	April 17, 2020	April 26, 2020
325	Mechanical Engineering	Inspection and Quality Control in Manufacturing	February 24, 2020	March 20, 2020	April 25, 2020
326	Mechanical Engineering	Failure analysis and Prevention	February 24, 2020	April 17, 2020	April 26, 2020
327	Mechanical Engineering	Automatic Control	January 27, 2020	March 20, 2020	March 29, 2020
328	Mechanical Engineering	Industrial Automation And Control	January 27, 2020	April 17, 2020	April 25, 2020
329	Mechanical Engineering	Robotics and Control : Theory and Practice	January 27, 2020	March 20, 2020	March 29, 2020
330	Mechanical Engineering	Operations Management	January 27, 2020	April 17, 2020	April 26, 2020
331	Mechanical Engineering	Computational Fluid Dynamics for Incompressible Flows	January 27, 2020	April 17, 2020	April 25, 2020
332	Mechanical Engineering	Experimental Methods in Fluid Mechanics	January 27, 2020	April 17, 2020	April 26, 2020
333	Mechanical Engineering	Applied Ergonomics	January 27, 2020	April 17, 2020	April 25, 2020
334	Mechanical Engineering	Nature and Properties of Materials	February 24, 2020	April 17, 2020	April 26, 2020
335	Mechanical Engineering	Foundations of Computational Materials Modelling	January 27, 2020	April 17, 2020	April 26, 2020
336	Mechanical Engineering	Introduction to Soft Matter	February 24, 2020	April 17, 2020	April 25, 2020
337	Mechanical Engineering	Processing of Polymers and Polymer Composites	January 27, 2020	March 20, 2020	March 29, 2020
338	Mechanical Engineering	Acoustic Materials and Metamaterials	January 27, 2020	March 20, 2020	March 29, 2020

339	Mechanical Engineering	Kinematics of Mechanisms and Machines	January 27, 2020	March 20, 2020	March 29, 2020
340	Mechanical Engineering	Financial Mathematics	January 27, 2020	April 17, 2020	April 26, 2020
341	Mechanical Engineering	Modelling and Simulation of Dynamic Systems	January 27, 2020	March 20, 2020	March 29, 2020
342	Mechanical Engineering	Principles of Industrial Engineering	January 27, 2020	April 17, 2020	April 26, 2020
343	Metallurgical and Materials Engineering	Introduction to Materials Science and Engineering	January 27, 2020	April 17, 2020	April 26, 2020
344	Metallurgical and Materials Engineering	Materials Science and Engineering	January 27, 2020	March 20, 2020	March 29, 2020
345	Metallurgical and Materials Engineering	Fundamentals Of Electronic Materials And Devices	January 27, 2020	March 20, 2020	March 29, 2020
346	Metallurgical and Materials Engineering	Properties of Materials (Nature and Properties of Materials : III)	February 24, 2020	April 17, 2020	April 26, 2020
347	Metallurgical and Materials Engineering	Dealing with materials data : collection, analysis and interpretation	January 27, 2020	April 17, 2020	April 26, 2020
348	Metallurgical and Materials Engineering	Corrosion - Part I	January 27, 2020	March 20, 2020	March 29, 2020
349	Metallurgical and Materials Engineering	Theory and Practice of Non Destructive Testing	January 27, 2020	March 20, 2020	March 29, 2020
350	Metallurgical and Materials Engineering	Friction and Wear of materials : Principle and case studies	January 27, 2020	March 20, 2020	March 29, 2020
351	Metallurgical and Materials Engineering	Surface Engineering of Nanomaterials	January 27, 2020	March 20, 2020	March 29, 2020
352	Metallurgical and Materials Engineering	Solar Photovoltaics : Principles, Technologies & Materials	January 27, 2020	March 20, 2020	March 29, 2020
353	Metallurgical and Materials Engineering	Welding Processes	January 27, 2020	April 17, 2020	April 25, 2020
354	Metallurgical and Materials Engineering	Steel Quality : Role of Secondary Refining & Continuous Casting	January 27, 2020	April 17, 2020	April 25, 2020
355	Metallurgical and Materials Engineering	Modeling of tundish steelmaking process in continuous casting	January 27, 2020	March 20, 2020	March 29, 2020
356	Metallurgical and Materials Engineering	Diffusion in Multicomponent Solids	January 27, 2020	April 17, 2020	April 26, 2020
357	Metallurgical and Materials Engineering	Material Characterization	January 27, 2020	April 17, 2020	April 25, 2020
358	Multidisciplinary	Health Research Fundamentals	January 27, 2020	March 20, 2020	March 29, 2020
359	Multidisciplinary	Current regulatory requirements for conducting clinical trials in India for investigational new drug/new drug (Version 2.0)	January 27, 2020	March 20, 2020	March 29, 2020
360	Multidisciplinary	Regulatory requirements for medical devices including in vitro diagnostics in India (Version 2.0)	January 27, 2020	February 21, 2020	March 29, 2020
361	Multidisciplinary	Qualitative Research Methods and Research Writing	January 27, 2020	April 17, 2020	April 25, 2020

362	Multidisciplinary	Ethics in Engineering Practice	February 24, 2020	April 17, 2020	April 26, 2020
363	Multidisciplinary	Effective Engineering Teaching In Practice	January 27, 2020	February 21, 2020	March 29, 2020
364	Multidisciplinary	Introduction to Research	February 24, 2020	April 17, 2020	April 26, 2020
365	Multidisciplinary	Matlab Programming for Numerical Computation	January 27, 2020	March 20, 2020	March 29, 2020
366	Multidisciplinary	Non-Conventional Energy Resources	January 27, 2020	April 17, 2020	April 26, 2020
367	Multidisciplinary	Roadmap for patent creation	January 27, 2020	March 20, 2020	March 29, 2020
368	Multidisciplinary	Entrepreneurship Essentials	January 27, 2020	April 17, 2020	April 25, 2020
369	Multidisciplinary	Fuzzy Logic and Neural Networks	February 24, 2020	April 17, 2020	April 26, 2020
370	Multidisciplinary	Manage TB	February 24, 2020	April 17, 2020	April 26, 2020
371	Multidisciplinary	NBA Accreditation and Teaching - Learning in Engineering (NATE)	January 27, 2020	April 17, 2020	April 26, 2020
372	Multidisciplinary	Designing Learner - Centric MOOCs	January 27, 2020	February 21, 2020	March 29, 2020
373	Multidisciplinary	Thermodynamics	January 27, 2020	April 17, 2020	April 26, 2020
374	Ocean Engineering	Offshore Structures Under Special Environmental Loads Including Fire Resistance	January 27, 2020	April 17, 2020	April 25, 2020
375	Physics	Physics through Computational Thinking	February 24, 2020	April 17, 2020	April 25, 2020
376	Physics	Physics of Biological Systems	January 27, 2020	April 17, 2020	April 25, 2020
377	Physics	Group Theory methods in Physics	January 27, 2020	April 17, 2020	April 26, 2020
378	Physics	Experimental Physics - II	January 27, 2020	April 17, 2020	April 26, 2020
379	Physics	Quantum Mechanics I	January 27, 2020	April 17, 2020	April 26, 2020
380	Physics	A brief course on Superconductivity	January 27, 2020	February 21, 2020	March 29, 2020
381	Physics	Fiber Optics	January 27, 2020	March 20, 2020	March 29, 2020
382	Physics	Electromagnetism	January 27, 2020	April 17, 2020	April 26, 2020
383	Physics	Experimental Physics III	January 27, 2020	April 17, 2020	April 26, 2020
384	Physics	Electronic Theory of Solids	January 27, 2020	April 17, 2020	April 25, 2020
385	Physics	Introduction to Atmospheric and Space Sciences	January 27, 2020	April 17, 2020	April 25, 2020
386	Physics	Optical Sensors	January 27, 2020	February 21, 2020	March 29, 2020
387	Textile Engineering	Advanced Textile Printing Technology	January 27, 2020	March 20, 2020	March 29, 2020
388	Textile Engineering	Textured Yarn Technology	January 27, 2020	April 17, 2020	April 26, 2020
389	Textile Engineering	Theory of Yarn Structure	January 27, 2020	April 17, 2020	April 26, 2020