

**AICTE-NPTEL Online Faculty Development Programme
List of Courses in Jan-Apr 2019**

No	Course Ids	Institute	Discipline	Course Name	SME Name	Duration	Course Start Date	Course End Date	Exam date
1	noc19-ar03	IIT Roorkee	Architecture and Planning	Principles and Applications of Building Science	Prof. E. Rajasekar	4 weeks	25 February 2019	22 March 2019	27 April 2019
2	noc19-ch09	IIT Bombay	Chemical Engineering	Chemical Process Control	Prof. Sujit Jogwar	8 Weeks	25 February 2019	19 April 2019	27 April 2019
3	noc19-ch13	IIT Roorkee	Chemical Engineering	Waste to Energy Conversion	Prof. P. Mondal	8 weeks	25 February 2019	19 April 2019	28 April 2019
4	noc19-ch14	IIT Roorkee	Chemical Engineering	Equipment Design: Mechanical Aspects	Prof. Shabina Khanam	4 weeks	28 January 2019	22 February 2019	31 March 2019
5	noc19-cs07	IIT Kharagpur	Computer Science and Engineering	Programming in Java	Prof. Debasis Samanta	12 Weeks	28 January 2019	19 April 2019	28 April 2019
6	noc19-ee05	IIT Delhi	Electrical Engineering	Principles of Digital Communications	Prof. Abhishek Dixit	12 Weeks	28 January 2019	19 April 2019	27 April 2019
7	noc19-ee06	IIT Kharagpur	Electrical Engineering	Modern Digital Communication Techniques	Prof.Suvra Sekhar Das	12 Weeks	28 January 2019	19 April 2019	27 April 2019
8	noc19-hs10	IIT Kanpur	Humanities And Social Sciences	Elements of Visual Representation	Prof. Shatarupa Thakurta Roy	8 weeks	25 February 2019	19 April 2019	28 April 2019
9	noc19-hs16	IIT Guwahati	Humanities and Social Sciences	Introduction to Cognitive Psychology	Prof. Naveen Kashyap	12 weeks	28 January 2019	19 April 2019	28 April 2019
10	noc19-me07	IIT Roorkee	Mechanical Engineering	Convective Heat Transfer	Prof. Arup Kumar Das	4 Weeks	25 February 2019	22 March 2019	28 April 2019
11	noc19-me12	IIT Delhi	Mechanical Engineering	Thermodynamics	Prof. S.R kale	12 Weeks	28 January 2019	19 April 2019	27 April 2019
12	noc19-ge01	NIE	Multidisciplinary	Health Research Fundamentals	Dr. Sanjay Mehendale Dr. Manoj V Murhekar Dr.	8 weeks	28 January 2019	22 March 2019	31 March 2019
13	noc19-ge11	IIT Madras	Multidisciplinary	Non-Conventional Energy Resources	Prof. Prathap Haridoss	12 Weeks	28 January 2019	19 April 2019	28 April 2019
14	noc19-ae02	IIT Kanpur	Aerospace Engineering	Advance Aircraft Maintenance	Prof. A.K. Ghosh & Mr. Vipul Mathur	8 weeks	25 February 2019	19 April 2019	27 April 2019

15	noc19-ae04	IIT Kharagpur	Aerospace Engineering	Satellite Attitude Dynamics and Control	Prof. Manoranjan Sinha	12 Weeks	28 January 2019	19 April 2019	27 April 2019
16	noc19-ar04	IIT Roorkee	Architecture and Planning	Housing Policy & Planning	Prof. Uttam Kumar Roy	8 weeks	28 January 2019	22 March 2019	31 March 2019
17	noc19-ar05	IIT Roorkee	Architecture and Planning	Urban governance and Development Management (UGDM)	Prof. Uttam Kumar Roy	12 Weeks	28 January 2019	19 April 2019	28 April 2019
18	noc19-ar06	IIT Kharagpur	Architecture and Planning	Landscape Architecture and Site Planning - Basic F	Prof. Uttam Kumar Bannerjee	8 Weeks	25 February 2019	19 April 2019	27 April 2019
19	noc19-ar08	IIT Kharagpur	Architecture and Planning	Architectural Conservation And Historic Preservati	Prof. Sanghamitra Basu	8 weeks	25 February 2019	19 April 2019	28 April 2019
20	noc19-ar09	IIT Roorkee	Architecture and Planning	Visual Communication Design for Digital Media	Prof. Saptarshi Kolay	4 weeks	28 January 2019	22 February 2019	31 March 2019
21	noc19-ar10	IIT Roorkee	Architecture and Planning	User Interface Design	Prof. Saptarshi Kolay	4 Weeks	25 February 2019	22 March 2019	28 April 2019
22	noc19-bt06	IIT Kanpur	Biotechnology And Biosciences	Cell Culture Technologies	Prof. Mainak Das	8 weeks	25 February 2019	19 April 2019	27 April 2019
23	noc19-bt08	IIT Kanpur	Biotechnology And Biosciences	Forest Biometry	Prof. Ankur awadhiya	8 weeks	25 February 2019	19 April 2019	27 April 2019
24	noc19-bt12	IISc	Biotechnology And Biosciences	Learning about Learning: A Course on Neurobiology	Prof. Balaji Jayaprakash	4 Weeks	28 January 2019	22 February 2019	31 March 2019
25	noc19-cy12	IISc	Chemistry and Biochemistry	Multidimensional NMR Spectroscopy for Structural S	Prof. Hanudatta S. Atreya	8 Weeks	28 January 2019	22 March 2019	31 March 2019
26	noc19-cy10	IIT Madras	Chemistry and Biochemistry	Electrochemical impedance Spectroscopy	Prof. S. Ramanathan	12 Weeks	28 January 2019	19 April 2019	27 April 2019
27	noc19-cy17	IISc	Chemistry and Biochemistry	Symmetry and Structure in the Solid State	Prof. T. N. Guru Row	12 Weeks	28 January 2019	19 April 2019	28 April 2019
28	noc19-ce03	IIT Kanpur	Civil Engineering	Hydration, Porosity & Strength of Cementitious Mat	Prof. Sudhir Mishra & Prof.K.V.Harish	8 Weeks	28 January 2019	22 March 2019	31 March 2019
29	noc19-ce04	IIT Roorkee	Civil Engineering	Applied Environmental Microbiology	Prof. Gargi Singh	12 Weeks	28 January 2019	19 April 2019	27 April 2019
30	noc19-ce05	IIT Roorkee	Civil Engineering	Environmental Remediation of Contaminated Sites	Prof. Bhanu Prakash Vellanki	12 Weeks	28 January 2019	19 April 2019	28 April 2019

31	noc19-ce06	IIT Kharagpur	Civil Engineering	Electronic Waste Management - Issues And Challenge	Prof. Brajesh Kumar Dubey	4 weeks	28 January 2019	22 February 2019	31 March 2019
32	noc19-ce07	IIT Kharagpur	Civil Engineering	Plastic Waste Management	Prof. Brajesh Kumar Dubey	8 Weeks	25 February 2019	19 April 2019	28 April 2019
33	noc19-ce09	IIT Roorkee	Civil Engineering	Digital Land Surveying And Mapping(DLS&M)	Prof. J. K. Ghosh	8 weeks	25 February 2019	19 April 2019	27 April 2019
34	noc19-ce10	IIT Guwahati	Civil Engineering	Subsurface exploration :importance and techniques	Prof. Abhishek Kumar	8 weeks	25 February 2019	19 April 2019	28 April 2019
35	noc19-ce12	IIT Madras	Civil Engineering	Geosynthetics And Reinforced Soil Structures	Prof. K.Rajagopal	12 Weeks	28 January 2019	19 April 2019	27 April 2019
36	noc19-ce13	IIT Delhi	Civil Engineering	Energy Efficiency, Acoustics and daylighting in Bu	Prof. B Bhattacharjee	12 Weeks	28 January 2019	19 April 2019	28 April 2019
37	noc19-ce14	IIT Kanpur	Civil Engineering	Natural Hazards - Part-1	Prof. Javed Malik	8 weeks	28 January 2019	22 March 2019	31 March 2019
38	noc19-ce17	IIT Madras	Civil Engineering	Advanced Topics in the Science and Technology of C	Prof. Ravindra Gettu & Prof. Manu Santhanam	4 Weeks	28 January 2019	22 February 2019	31 March 2019
39	noc19-cs13	IIT Madras	Computer Science and Engineering	Data Science for Engineers	Prof. Ragunathan Rengasamy and Prof. Shankar Naras	8 Weeks	28 January 2019	22 March 2019	31 March 2019
40	noc19-cs14	IIT Madras	Computer Science and Engineering	Machine Learning for Engineering and Science Appli	Prof. Balaji Srinivasan and Prof. Ganapathy	12 weeks	28 January 2019	19 April 2019	28 April 2019
41	noc19-cs16	IIT Guwahati	Computer Science and Engineering	Randomized Algorithms	Prof. Benny George K	12 weeks	28 January 2019	19 April 2019	27 April 2019
42	noc19-cs17	IIT Guwahati	Computer Science and Engineering	Parallel Algorithms	Prof. Sajith Gopalan	12 weeks	28 January 2019	19 April 2019	28 April 2019
43	noc19-cs19	IIT Madras	Computer Science and Engineering	AI:Knowledge Representation and Reasoning	Prof. Deepak Khemani	12 Weeks	28 January 2019	19 April 2019	27 April 2019
44	noc19-cs24	IIT Kharagpur	Computer Science and Engineering	Hardware Security	Prof. Debdeep Mukhopadhyay	12 Weeks	28 January 2019	19 April 2019	28 April 2019
45	noc19-cs25	IIITD	Computer Science and Engineering	Privacy and Security in Online Social Media	Prof. Ponnurangam Kumaraguru	8 weeks course in 12 weeks	28 January 2019	19 April 2019	28 April 2019

46	noc19-cs26	IIT Kharagpur	Computer Science and Engineering	Blockchain Architecture and Use Cases	Prof. Sandip Chakraborty and IBM	12 weeks	28 January 2019	19 April 2019	28 April 2019
47	noc19-cs32	IIT Kharagpur	Computer Science and Engineering	Introduction to Industry 4.0 and Industrial Intern	Prof. Sudip Misra	12 Weeks	28 January 2019	19 April 2019	28 April 2019
48	noc19-cs35	KTH Royal Institute of Technology, Sweden	Computer Science and Engineering	Machine Learning,ML	Prof. Carl Gustaf Jansson Prof. Henrik Boström P	8 Weeks	25 February 2019	19 April 2019	28 April 2019
49	noc19-ce15	IIT Kharagpur	Cryogenic	Mass, Momentum and Energy Balances in Engineering	Prof. Pavitra Sandilya	8 weeks	28 January 2019	22 March 2019	31 March 2019
50	noc19-ee31	IISc	Electrical Engineering	Mathematical Methods and Techniques in Signal Proc	Prof Shayan Srinivasa Garani	12 Weeks	28 January 2019	19 April 2019	28 April 2019
51	noc19-hs01	IIT Madras	Humanities And Social Sciences	Patent Drafting for Beginners	Dr. Feroze Ali	4 weeks	28 January 2019	22 February 2019	31 March 2019
52	noc19-hs02	IIT Madras	Humanities And Social Sciences	Patent Law For Engineers And Scientists	Dr. Feroze Ali	12 Weeks	28 January 2019	19 April 2019	27 April 2019
53	noc19-hs03	IIT Madras	Humanities And Social Sciences	American Literature & Culture	Prof. Aysha Iqbal	12 Weeks	28 January 2019	19 April 2019	27 April 2019
54	noc19-hs23	IIT Madras	Humanities And Social Sciences	The Nineteenth-Century English Novel	Prof. A. Divya	12 weeks	28 January 2019	19 April 2019	27 April 2019
55	noc19-hs05	IIT Roorkee	Humanities And Social Sciences	Literature, Culture and Media	Prof. Rashmi Gaur	12 Weeks	28 January 2019	19 April 2019	28 April 2019
56	noc19-hs07	IIT Guwahati	Humanities and Social Sciences	Introduction to Modern Indian Drama	Prof. Kiran Keshavamurthy	8 weeks	25 February 2019	19 April 2019	28 April 2019
57	noc19-hs08	IIT Madras	Humanities And Social Sciences	Postmodernism in Literature	Prof. Merin Simi Raj	8 weeks	25 February 2019	19 April 2019	28 April 2019
58	noc19-hs24	IIT Roorkee	Humanities And Social Sciences	Sociology of Science	Prof. Aninday Jayant Mishra	4 weeks	28 January 2019	22 February 2019	31 March 2019
59	noc19-hs11	IIT Kharagpur	Humanities And Social Sciences	Emotional Intelligence	Prof. Rabindra Kumar Pradhan	8 Weeks	28 January 2019	22 March 2019	31 March 2019
60	noc19-hs13	IIT Kanpur	Humanities And Social Sciences	Introduction to Basic Cognitive Processes	Prof. Ark Verma	8 weeks	25 February 2019	19 April 2019	27 April 2019
61	noc19-hs28	IIT Kanpur	Humanities And Social Sciences	An Introduction to Microeconomics	Prof. Vimal Kumar	12 Weeks	28 January 2019	19 April 2019	27 April 2019

62	noc19-ma14	IIT Kanpur	Mathematics	Descriptive Statistics with R	Prof. Shalabh	4 weeks	25 February 2019	22 March 2019	28 April 2019
63	noc19-me08	IIT Roorkee	Mechanical Engineering	Radiative Heat Transfer	Prof. Ankit Bansal	8 weeks	28 January 2019	22 March 2019	31 March 2019
64	noc19-me19	IIT Roorkee	Mechanical Engineering	Weldability of Metals: Mechanisms-weld defects & p	Prof. D K Dwivedi	8 weeks	25 February 2019	19 April 2019	27 April 2019
65	noc19-me27	IIT Kharagpur	Mechanical Engineering	Machinery Fault Diagnosis And Signal Processing	Prof. Amiya Ranjan Mohanty	12 Weeks	28 January 2019	19 April 2019	28 April 2019
66	noc19-ge02	IIT Madras	Multidisciplinary	Effective Engineering Teaching In Practice	Prof. G. K. Suraishkumar, in association with TLC,	4 weeks	28 January 2019	22 February 2019	31 March 2019
67	noc19-ge03	IIT Madras	Multidisciplinary	Introduction to Research	Prof. Prathap Haridoss	8 weeks	25 February 2019	19 April 2019	28 April 2019
68	noc19-ge04	IISc	Multidisciplinary	Teaching And Learning in Engineering (TALE)	Prof. N J Rao	4 Weeks	25 February 2019	22 March 2019	27 April 2019
69	noc19-ge05	IIT Kharagpur	Multidisciplinary	Qualitative Research Methods and Research Writing	Prof. Aradhna Malik	12 Weeks	28 January 2019	19 April 2019	28 April 2019
70	noc19-ge06	IIT Kanpur	Multidisciplinary	Introduction To Professional Scientific Communicat	Prof. S. Ganesh	4 weeks	28 January 2019	22 February 2019	31 March 2019
71	noc19-te03	IIT Delhi	Textile Engineering	Theory of Yarn Structure	Prof. Dipayan das	8 Weeks	28 January 2019	22 March 2019	31 March 2019
72	noc19-bt01	IIT Madras	Biotechnology And Biosciences	Bio-Informatics:Algorithms and Applications	Prof. Michael Gromiha	12 Weeks	28 January 2019	19 April 2019	28 April 2019
73	noc19-bt02	IIT Bombay	Biotechnology And Biosciences	Introductory Mathematical Methods for Biologists	Prof. Ranjith Padinhateeri	8 Weeks	25 February 2019	19 April 2019	28 April 2019
74	noc19-bt03	IIT Madras	Biotechnology And Biosciences	Medical Biomaterials	Prof. Mukesh Doble	8 weeks	25 February 2019	19 April 2019	27 April 2019
75	noc19-bt04	IIT Madras	Biotechnology And Biosciences	Principles Of Downstream Techniques In Bioprocess	Prof. Mukesh Doble	4 weeks	28 January 2019	22 February 2019	31 March 2019
76	noc19-bt05	IIT Kanpur	Biotechnology And Biosciences	Human Molecular Genetics	Prof. S.Ganesh	4 weeks	28 January 2019	22 February 2019	31 March 2019
77	noc19-bt07	IIT Madras	Biotechnology And Biosciences	Demystifying The Brain	Prof. Srinivas Chakravarthy	4 weeks	28 January 2019	22 February 2019	31 March 2019

78	noc19-bt09	IIT Kanpur	Biotechnology And Biosciences	Wild Life Ecology	Prof. Ankur Awadhiya & Prof. Mainak Das	12 weeks	28 January 2019	19 April 2019	28 April 2019
79	noc19-bt11	IIT Kanpur	Biotechnology And Biosciences	Animal Physiology	Prof. Mainak Das	12 weeks	28 January 2019	19 April 2019	28 April 2019
80	noc19-bt14	IIT Bombay	Biotechnology And Biosciences	Applications of interactomics using Genomics and p	Prof. Sanjeeva Srivastav	8 weeks	25 February 2019	19 April 2019	27 April 2019
81	noc19-ch04	IIT Madras	Chemical Engineering	Computational Fluid Dynamics	Prof. Srinivas Jayanti	12 Weeks	28 January 2019	19 April 2019	28 April 2019
82	noc19-ch11	IIT Guwahati	Chemical Engineering	Transport Phenomena of Non-Newtonian Fluids	Prof. Nanda Kishore	12 weeks	28 January 2019	19 April 2019	28 April 2019
83	noc19-ch15	IIT Kanpur	Chemical Engineering	Thermodynamics Of Fluid Phase Equilibria	Prof. Jayant K Singh	8 Weeks	25 February 2019	19 April 2019	28 April 2019
84	noc19-cy02	IISER Mohali	Chemistry and Biochemistry	Thermodynamics & Kinetics	Prof. Arijit K De	12 Weeks	28 January 2019	19 April 2019	27 April 2019
85	noc19-cy03	IIT Bombay	Chemistry and Biochemistry	Organometallic Chemistry	Prof. D.Maiti	4 Weeks	28 January 2019	22 February 2019	31 March 2019
86	noc19-cy04	IIT Bombay	Chemistry and Biochemistry	Molecular Spectroscopy: A Physical Chemist's persp	Prof. Anindya Datta	12 Weeks	28 January 2019	19 April 2019	28 April 2019
87	noc19-cy05	IISER Pune	Chemistry and Biochemistry	Medicinal Chemistry	Prof. Harinath Chakrapani	12 weeks	28 January 2019	19 April 2019	27 April 2019
88	noc19-cy06	IIT Kharagpur	Chemistry and Biochemistry	Biochemistry	Prof. Swagata Dasgupta	12 Weeks	28 January 2019	19 April 2019	28 April 2019
89	noc19-cy08	IIT Bombay	Chemistry and Biochemistry	Advanced Transition Metal Organometallic Chemistry	Prof. P. Ghosh	12 Weeks	28 January 2019	19 April 2019	27 April 2019
90	noc19-cy11	IIT Kharagpur	Chemistry and Biochemistry	Industrial Inorganic Chemistry	Prof. Debashis Ray	12 Weeks	28 January 2019	19 April 2019	27 April 2019
91	noc19-cy13	IIT Kanpur	Chemistry and Biochemistry	Laser: Fundamentals and Applications	Prof. Manabendra Chandra	8 weeks	28 January 2019	22 March 2019	31 March 2019
92	noc19-cy15	IIT Bombay	Chemistry and Biochemistry	Metal Mediated Synthesis-I	Prof. D.Maiti	4 Weeks	28 January 2019	22 February 2019	31 March 2019
93	noc19-cy16	IIT Kanpur	Chemistry and Biochemistry	Solid State Chemistry	Prof. Madhav Ranganathan	12 Weeks	28 January 2019	19 April 2019	28 April 2019

94	noc19-mg29	IIT Madras	Civil Engineering	Infrastructure Planning and Managements	Prof. Ashwin Mahalingam	12 Weeks	28 January 2019	19 April 2019	27 April 2019
95	noc19-cs04	IIT Guwahati	Computer Science and Engineering	Computer Organization and Architecture: A Pedagogi	Prof. Santosh Biswas, Prof. Jatindra Kumar Deka,	12 weeks	28 January 2019	19 April 2019	28 April 2019
96	noc19-cs05	IIT Ropar	Computer Science and Engineering	Discrete Mathematics	Prof. Sudarshan Iyengar	12 Weeks	28 January 2019	19 April 2019	27 April 2019
97	noc19-cs08	CMI	Computer Science and Engineering	Programming, Data Structures and Algorithms using	Prof. Madhavan Mukund	8 weeks	28 January 2019	22 March 2019	31 March 2019
98	noc19-cs09	IIT Ropar	Computer Science and Engineering	Joy of computing using Python	Prof. Sudarshan Iyengar	12 Weeks	28 January 2019	19 April 2019	28 April 2019
99	noc19-cs10	IIT Kharagpur	Computer Science and Engineering	Programming In C++	Prof. Partha Pratim Das	8 Weeks	28 January 2019	22 March 2019	31 March 2019
100	noc19-cs12	IIT Kharagpur	Computer Science and Engineering	Data Base Management System	Prof. Partha Pratim Das	8 weeks	25 February 2019	19 April 2019	27 April 2019
101	noc19-cs15	IIT Kharagpur	Computer Science and Engineering	Data Mining	Prof. Pabitra Mitra	8 weeks	25 February 2019	19 April 2019	27 April 2019
102	noc19-cs21	IIT Kharagpur	Computer Science and Engineering	Real Time Operating System	Prof. Rajib Mall	4 weeks	25 February 2019	22 March 2019	27 April 2019
103	noc19-cs22	IIT Kharagpur	Computer Science and Engineering	Embedded System Design with ARM	Prof. Indranil Sengupta and Kamalika Dutta	8 Weeks	28 January 2019	22 March 2019	31 March 2019
104	noc19-cs23	IIT Kharagpur	Computer Science and Engineering	Introduction to Soft Computing	Prof. Debasis Samanta	8 Weeks	28 January 2019	22 March 2019	31 March 2019
105	noc19-cs27	IIT Kharagpur	Computer Science and Engineering	Cloud Computing	Prof. Soumya Kanti Ghosh	8 weeks	25 February 2019	19 April 2019	27 April 2019
106	noc19-cs28	IIT Kharagpur	Computer Science and Engineering	Cryptography and Network Security	Prof. Sourav Mukhopadhyay	12 Weeks	28 January 2019	19 April 2019	27 April 2019
107	noc19-cs29	IIT Madras	Computer Science and Engineering	Information Security - 5 - Secure Systems Engineer	Prof. Chester Robeiro	8 weeks	28 January 2019	22 March 2019	31 March 2019
108	noc19-cs30	IITRopar	Computer Science and Engineering	Social networks	Prof. Rishi Ranjan Singh & Prof. Sudarshan Iyengar	12 Weeks	28 January 2019	19 April 2019	28 April 2019
109	noc19-cs31	IIT Kharagpur	Computer Science and Engineering	Introduction to Internet of Things	Prof. Sudip Misra	12 Weeks	28 January 2019	19 April 2019	27 April 2019

110	noc19-cs33	IIT Patna	Computer Science and Engineering	Big Data Computing	Prof. Rajiv Misra	8 weeks	25 February 2019	19 April 2019	27 April 2019
111	noc19-ma15	IIT Kharagpur	Computer Science and Engineering	Introduction to Automata, Languages and Computatio	Prof. Sourav Mukhopadhyay	12 Weeks	28 January 2019	19 April 2019	27 April 2019
112	noc19-cs34	IIT Madras	Computer Science and Engineering	Multimodal Interaction	Prof. Dr.-Ing.Sebastian Moller & Dr.-Ing. Stefan H	4 Weeks	25 February 2019	22 March 2019	28 April 2019
113	noc19-cs18	IIT Madras	Computer Science and Engineering	Deep Learning – Part 2	Prof. Mitesh M. Khapra	8 Weeks	25 February 2019	19 April 2019	28 April 2019
114	noc19-ee13	IIT Roorkee	Electrical Engineering	Computer Aided Power System Analysis	Prof. Biswarup Das	12 Weeks	28 January 2019	19 April 2019	28 April 2019
115	noc19-ee14	IIT Kharagpur	Electrical Engineering	Power System Dynamics, Control and Monitoring	Prof. Debapriya Das	12 Weeks	28 January 2019	19 April 2019	28 April 2019
116	noc19-ee15	IIT Roorkee	Electrical Engineering	Advance power electronics and Control	Prof. Avik Bhattacharya	8 Weeks	28 January 2019	22 March 2019	31 March 2019
117	noc19-ee16	IIT Kharagpur	Electrical Engineering	Evolution of Air Interface towards 5G	Prof.Suvra Sekhar Das	8 Weeks	25 February 2019	19 April 2019	27 April 2019
118	noc19-ee29	IITM	Electrical Engineering	LDPC and Polar Codes in 5G Standard	Prof. Andrew Thangaraj	4 weeks	28 January 2019	22 February 2019	31 March 2019
119	noc19-ee17	KTH Royal Institute of Technology, Sweden	Electrical Engineering	Electromagnetic compatibility, EMC	Prof. Daniel Mansson, Prof. Rajeev Thottappillil	8 Weeks	25 February 2019	19 April 2019	28 April 2019
120	noc19-ee18	IIT Delhi	Electrical Engineering	Electric Vehicles - Part 1	Prof. Amit Jain	4 Weeks	25 February 2019	22 March 2019	28 April 2019
121	noc19-ee19	IIT Bombay	Electrical Engineering	Antennas	Prof. Girish Kumar	12 Weeks	28 January 2019	19 April 2019	28 April 2019
122	noc19-ee20	IIT Madras	Electrical Engineering	Introduction to Photonics	Prof. Balaji Srinivasan	12 weeks	28 January 2019	19 April 2019	27 April 2019
123	noc19-ee21	IIT Kanpur	Electrical Engineering	Electromagnetic Waves in Guided and Wireless Mediu	Prof. Pradeep Kumar K	8 weeks	25 February 2019	19 April 2019	28 April 2019
124	noc19-ee22	IIT Roorkee	Electrical Engineering	Basics of software defined Radios	Prof. Meenakshi Rawat	4 weeks	28 January 2019	22 February 2019	31 March 2019
125	noc19-ee23	IIT Kharagpur	Electrical Engineering	Biomedical Signal Processing	Prof. Sudipta Mukhopadhyay	12 Weeks	28 January 2019	19 April 2019	27 April 2019

126	noc19-ee24	IISc	Electrical Engineering	Advances in UHV Transmission and Distribution	Prof. Subba Reddy B	8 Weeks	28 January 2019	22 March 2019	31 March 2019
127	noc19-ee25	IIT Roorkee	Electrical Engineering	CMOS Digital VLSI Design	Prof. Sudeb Dasgupta	8 weeks	25 February 2019	19 April 2019	27 April 2019
128	noc19-ee26	IIT Kanpur	Electrical Engineering	Introduction to Coding Theory	Prof. Adrish Banerjee	8 weeks	28 January 2019	22 March 2019	31 March 2019
129	noc19-ee28	IISc	Electrical Engineering	Advanced IOT Applications	Prof. T V Prabhakar	8 weeks	28 January 2019	22 March 2019	31 March 2019
130	noc19-ee30	IIT Madras	Electrical Engineering	Control engineering	Prof.Ramkrishna Pasumarthy	12 Weeks	28 January 2019	19 April 2019	27 April 2019
131	noc19-ee27	IIT Madras	Electrical Engineering	Multirate DSP	Prof. R. David Koilpillai	12 Weeks	28 January 2019	19 April 2019	27 April 2019
132	noc19-ee12	IISc	Electrical Engineering	Electronic Systems for Cancer Diagnosis	Prof. Hardik Jeetendra Pandya	12 Weeks	28 January 2019	19 April 2019	28 April 2019
133	noc19-ee32	IISc	Electrical Engineering	Electronic Modules for Industrial Applications	Prof. Hardik Jeetendra Pandya	8 weeks	25 February 2019	19 April 2019	28 April 2019
134	noc19-hs17	IIT Kanpur	Humanities And Social Sciences	Psychiatry - An overview	Dr. Alok Bajpai	4 weeks	28 January 2019	22 February 2019	31 March 2019
135	noc19-hs25	IIT Roorkee	Humanities And Social Sciences	Perspectives on Neurolinguistic	Prof. Smita Jha	4 weeks	28 January 2019	22 February 2019	31 March 2019
136	noc19-hs22	IIT Kanpur	Humanities And Social Sciences	Enhancing Soft Skills and Personality	Prof. T. Ravichandran	8 weeks	25 February 2019	19 April 2019	27 April 2019
137	noc19-hs26	IIT Madras	Humanities And Social Sciences	Feminist Writings	Prof. Avishek Parui	12 Weeks	28 January 2019	19 April 2019	27 April 2019
138	noc19-hs12	IIT Madras	Humanities And Social Sciences	Introduction to World Literature	Prof. Merin Simi Raj	12 Weeks	28 January 2019	19 April 2019	27 April 2019
139	noc19-hs27	IIT Madras	Humanities And Social Sciences	Appreciating Carnatic Music	Prof. Lakshmi Sriram	8 Weeks	25 February 2019	19 April 2019	27 April 2019
140	noc19-hs06	University of Hyderabad	Humanities And Social Sciences	English Literature of the Romantic Period, 1798-18	Prof. Pramod K Nayar	8 Weeks	25 February 2019	19 April 2019	27 April 2019
141	noc19-hs29	IIT Kanpur	Humanities And Social Sciences	Postcolonial Literature	Prof. Sayan Chattopadhyay	4 weeks	28 January 2019	22 February 2019	31 March 2019

142	noc19-hs30	IIT Madras	Humanities And Social Sciences	Managing Intellectual Property at Universities	Dr. Feroze Ali	4 weeks	28 January 2019	22 February 2019	31 March 2019
143	noc19-mg26	IIT Roorkee	Management	Business analysis and data mining Modeling using R	Prof. Gaurav Dixit	12 Weeks	28 January 2019	19 April 2019	27 April 2019
144	noc19-mg01	IIT Kharagpur	Management	Foundation Course in Managerial Economics	Prof. Barnali Nag	8 Weeks	25 February 2019	19 April 2019	28 April 2019
145	noc19-mg02	IIT Kharagpur	Management	Managing change in organizations	Prof. KBL Srivastava	8 Weeks	28 January 2019	22 March 2019	31 March 2019
146	noc19-mg04	IIT Roorkee	Management	Financial Statement Analysis and Reporting	Prof. Anil K. Sharma	12 Weeks	28 January 2019	19 April 2019	27 April 2019
147	noc19-mg05	IIT Kharagpur	Management	Financial Institutions and Markets	Prof. Jitendra Mahakud	12 Weeks	28 January 2019	19 April 2019	27 April 2019
148	noc19-mg06	IIT Kharagpur	Management	Principles Of Human Resource Management	Prof. Aradhna Malik	8 weeks	28 January 2019	22 March 2019	31 March 2019
149	noc19-mg07	IIT Kharagpur	Management	Sales and Distribution Management	Prof. Sangeeta Sahney	8 Weeks	25 February 2019	19 April 2019	28 April 2019
150	noc19-mg27	IIT Kanpur	Management	Management of Field Sales	Prof. Jayanta Chatterjee	4 weeks	28 January 2019	22 February 2019	31 March 2019
151	noc19-mg08	IIT Kharagpur	Management	Consumer Behaviour	Prof. Srabanti Mukherjee	8 Weeks	28 January 2019	22 March 2019	31 March 2019
152	noc19-mg09	IIT Kharagpur	Management	Services Marketing: A Practical Approach	Prof. Biplab Datta	4 Weeks	28 January 2019	22 February 2019	31 March 2019
153	noc19-mg28	IIT Kanpur	Management	Marketing Management - II	Prof. Jayanta Chatterjee and Prof. Shashi Shekhar	8 weeks	28 January 2019	22 March 2019	31 March 2019
154	noc19-mg10	IIT Roorkee	Management	Global Marketing Management	Prof. Z. Rahman	8 weeks	25 February 2019	19 April 2019	28 April 2019
155	noc19-mg11	IIT Kharagpur	Management	Soft Skills For Business Negotiations And Marketin	Prof. Uttam Kumar Banerjee	12 Weeks	28 January 2019	19 April 2019	27 April 2019
156	noc19-mg12	IIT Roorkee	Management	Marketing Research and Analysis-II	Prof. J. K. Nayak	12 weeks	28 January 2019	19 April 2019	28 April 2019
157	noc19-mg13	IIT Roorkee	Management	Business Statistics	Prof. Mukesh Kumar Barua	12 Weeks	28 January 2019	19 April 2019	27 April 2019

158	noc19-mg14	IIT Kharagpur	Management	Business Analytics For Management Decision	Prof. Rudra P Pradhan	12 Weeks	28 January 2019	19 April 2019	28 April 2019
159	noc19-mg15	IIT Kanpur	Management	Data Analysis & Decision Making - II	Prof. Raghu Nandan Sengupta	12 weeks	28 January 2019	19 April 2019	27 April 2019
160	noc19-mg16	IIT Roorkee	Management	MCDM Techniques Using R	Prof. Gaurav Dixit	4 weeks	25 February 2019	22 March 2019	27 April 2019
161	noc19-mg17	IIT Kharagpur	Management	Six Sigma	Prof. Jitesh J Thakkar	12 Weeks	28 January 2019	19 April 2019	28 April 2019
162	noc19-mg18	IIT Kharagpur	Management	Quality Design And Control	Prof. Pradip Kumar Ray	12 Weeks	28 January 2019	19 April 2019	28 April 2019
163	noc19-mg19	IIT Kanpur	Management	Total Quality Management - II	Prof. Raghu Nandan Sengupta	8 weeks	28 January 2019	22 March 2019	31 March 2019
164	noc19-mg20	IIT Roorkee	Management	Manufacturing Strategy	Prof. Rajat Agarwal	8 Weeks	25 February 2019	19 April 2019	27 April 2019
165	noc19-mg21	IIT Roorkee	Management	Supply Chain Analytics	Prof. Rajat Agrawal	8 weeks	28 January 2019	22 March 2019	31 March 2019
166	noc19-mg22	IIT Madras	Management	Operations and supply chain management	Prof. G. Srinivasan	12 Weeks	28 January 2019	19 April 2019	27 April 2019
167	noc19-mg23	IIT Madras	Management	Design Thinking - A Primer	Prof. Ashwin Mahalingam Prof. Bala Ramadurai	4 weeks	25 February 2019	22 March 2019	27 April 2019
168	noc19-mg24	IIT Kanpur	Management	Advanced Green Manufacturing Systems	Prof. Deepu Philip, Prof. Amandeep Singh	12 weeks	28 January 2019	19 April 2019	28 April 2019
169	noc19-mg25	IIT Kanpur	Management	Systems Engineering: Theory & Practice	Prof. Deepu Philip	8 weeks	25 February 2019	19 April 2019	28 April 2019
170	noc19-ma04	IIT Kharagpur	Mathematics	Transform Calculus and its applications in Differe	Prof. Adrijit Goswami	12 Weeks	28 January 2019	19 April 2019	28 April 2019
171	noc19-ma08	IIT Kharagpur	Mathematics	Probability and Statistics	Prof. Somesh Kumar	12 Weeks	28 January 2019	19 April 2019	28 April 2019
172	noc19-ma09	IIT Kharagpur	Mathematics	Statistical Interference	Prof. Somesh Kumar	12 Weeks	28 January 2019	19 April 2019	27 April 2019
173	noc19-ma10	IIT Roorkee	Mathematics	Dynamical System and Control	Prof. N. Sukavanam Prof. D.N. Pandey	12 Weeks	28 January 2019	19 April 2019	28 April 2019

174	noc19-ma11	IIT Roorkee	Mathematics	Advanced Engineering Mathematics	Prof. P.N. Agarwal	12 Weeks	28 January 2019	19 April 2019	28 April 2019
175	noc19-ma12	IIT Roorkee	Mathematics	Mathematical Methods and its Applications	Prof. P.N. Agarwal	12 Weeks	28 January 2019	19 April 2019	27 April 2019
176	noc19-ma16	IIT Bombay	Mathematics	Commutative Algebra	Prof. Dilip Patil	12 Weeks	28 January 2019	19 April 2019	28 April 2019
177	noc19-ma17	IIT Bombay	Mathematics	Galois Theory	Prof. Dilip Patil	12 Weeks	28 January 2019	19 April 2019	28 April 2019
178	noc19-ma13	IISER PUNE	Mathematics	Graph Theory	Prof. Soumen Maity	8 Weeks	28 January 2019	22 March 2019	31 March 2019
179	noc19-me39	IIT Roorkee	Mechanical Engineering	Modelling and Simulation of Dynamic Systems	Prof. Pushparaj Mani Pathak	8 Weeks	28 January 2019	22 March 2019	31 March 2019
180	noc19-me02	IIT Kanpur	Mechanical Engineering	Basics of Finite Element Analysis-I	Prof. Nachiketa Tiwari	8 weeks	25 February 2019	19 April 2019	27 April 2019
181	noc19-me04	IIT Kharagpur	Mechanical Engineering	Industrial Automation and Control	Prof. Siddhartha Mukhopadhyay	12 Weeks	28 January 2019	19 April 2019	27 April 2019
182	noc19-me05	IIT Roorkee	Mechanical Engineering	Automatic Control	Prof. Anil Kumar	8 weeks	28 January 2019	22 March 2019	31 March 2019
183	noc19-me09	IIT Roorkee	Mechanical Engineering	Steam and Gas Power Systems	Prof. Ravi Kumar	8 Weeks	25 February 2019	19 April 2019	28 April 2019
184	noc19-me10	IIT Guwahati	Mechanical Engineering	IC Engines and Gas Turbines	Prof. Pranab K. Mondal & Prof. Vinayak N. Kulkarni	12 weeks	28 January 2019	19 April 2019	27 April 2019
185	noc19-me16	IIT Guwahati	Mechanical Engineering	Fundamental of Welding Science and Technology	Prof. Pankaj Biswas	8 weeks	28 January 2019	22 March 2019	31 March 2019
186	noc19-me17	IIT Roorkee	Mechanical Engineering	Joining Technologies for metals	Prof. D. K. Dwivedi	8 weeks	25 February 2019	19 April 2019	28 April 2019
187	noc19-me18	IIT Roorkee	Mechanical Engineering	Principles of Casting Technology	Prof. P. K. Jha	8 Weeks	28 January 2019	22 March 2019	31 March 2019
188	noc19-me20	IIT Kanpur	Mechanical Engineering	Manufacturing Process Technology	Prof. Shantanu Bhattacharya	12 weeks	28 January 2019	19 April 2019	28 April 2019
189	noc19-me21	IIT Roorkee	Mechanical Engineering	Product Design and Development	Prof. Inderdeep singh	4 weeks	28 January 2019	22 February 2019	31 March 2019

190	noc19-me22	IIT Roorkee	Mechanical Engineering	Manufacturing Guidelines for Product Design	Prof. Inderdeep Singh	8 Weeks	25 February 2019	19 April 2019	27 April 2019
191	noc19-me23	IIT Kanpur	Mechanical Engineering	Product Design and Manufacturing	Prof. J. Ramkumar	12 weeks	28 January 2019	19 April 2019	28 April 2019
192	noc19-me24	IIT Kanpur	Mechanical Engineering	Rapid Manufacturing	Prof. J. Ramkumar	12 weeks	28 January 2019	19 April 2019	28 April 2019
193	noc19-me25	IIT Roorkee	Mechanical Engineering	Inspection and Quality Control in Manufacturing	Prof. Kaushik Pal	4 weeks	25 February 2019	22 March 2019	27 April 2019
194	noc19-me26	IIT Kharagpur	Mechanical Engineering	Introduction To Mechanical Micro Machining	Prof. Ajay M Sidpara	12 Weeks	28 January 2019	19 April 2019	28 April 2019
195	noc19-me28	IIT Kharagpur	Mechanical Engineering	Electronic Packaging and Manufacturing	Prof. Anandaroop Bhattacharya	8 Weeks	28 January 2019	22 March 2019	31 March 2019
196	noc19-me29	IIT Kharagpur	Mechanical Engineering	Kinematics of Mechanisms and Machines	Prof. Anirvan DasGupta	8 Weeks	28 January 2019	22 March 2019	31 March 2019
197	noc19-me30	IIT Roorkee	Mechanical Engineering	Surface Engineering of Nanomaterials	Prof. Kaushik Pal	8 weeks	28 January 2019	22 March 2019	31 March 2019
198	noc19-me32	IIT Guwahati	Mechanical Engineering	Introduction to Machining and Machining Fluids	Prof. M. Ravi Sankar	8 weeks	25 February 2019	19 April 2019	27 April 2019
199	noc19-me33	IIT Guwahati	Mechanical Engineering	Polymer Assisted Abrasive Finishing Processes	Prof. M. Ravi Sankar	4 weeks	28 January 2019	22 February 2019	31 March 2019
200	noc19-me34	IIT Madras	Mechanical Engineering	Spray Theory	Prof. Mahesh Panchagnula	12 Weeks	28 January 2019	19 April 2019	28 April 2019
201	noc19-me37	IIT Roorkee	Mechanical Engineering	Financial Mathematics	Prof. Pradeep K. Jha	12 Weeks	28 January 2019	19 April 2019	28 April 2019
202	noc19-me38	IIT Kanpur	Mechanical Engineering	BioMEMS and Microsystems	Prof. Shantanu Bhattacharya	8 weeks	25 February 2019	19 April 2019	28 April 2019
203	noc19-me35	IIT Kanpur	Mechanical Engineering	Introduction To Composites	Prof. Nachiketa Tiwari	12 Weeks	28 January 2019	19 April 2019	27 April 2019
204	noc19-mm03	IIT Madras	Metallurgical And Materials Engg	Fundamentals of electronic materials and devices	Prof. Parasuraman Swaminathan	8 Weeks	25 February 2019	19 April 2019	28 April 2019
205	noc19-mm04	IIT Kanpur	Metallurgical And Materials Engg	Solar Photovoltaics: Principles, Technologies & Ma	Prof. Ashish Garg	8 weeks	28 January 2019	22 March 2019	31 March 2019

206	noc19-mm05	IITR & IISc Bangalore	Metallurgical And Materials Engg	Friction and wear of materials: principles and cas	Prof. Dr. B. V. Manoj Kumar, Prof. Bikramjit Basu	8 Weeks	25 February 2019	19 April 2019	27 April 2019
207	noc19-mm06	IIT Kharagpur	Metallurgical And Materials Engg	Surface Engineering for Corrosion and Wear Resista	Prof. Indranil Manna and Prof. Jyotsna Dutta Majum	12 Weeks	28 January 2019	19 April 2019	28 April 2019
208	noc19-mm07	IIT Madras	Metallurgical And Materials Engg	Theory And Practice Of Non Destructive Testing	Prof. Ranjit Bauri	8 weeks	28 January 2019	22 March 2019	31 March 2019
209	noc19-mm09	IIT Kanpur	Metallurgical And Materials Engg	Defects in Crystalline Solids (Part-II)	Prof. Shashank Shekhar	4 weeks	28 January 2019	22 February 2019	31 March 2019
210	noc19-mm10	IITBhubaneshwar	Metallurgical And Materials Engg	Creep deformation of materials	Prof. Srikant Gollapudi	4 weeks	28 January 2019	22 February 2019	31 March 2019
211	noc19-mm12	IIT Madras	Metallurgical And Materials Engg	Welding Processes	Prof. Murugaiyan Amirthalingam	12 Weeks	28 January 2019	19 April 2019	27 April 2019
212	noc19-mm11	IIT Kharagpur	Mining Engineering	Network Analysis for Mines and Mineral Engineering	Prof. Kaushik Dey	4 Weeks	25 February 2019	22 March 2019	28 April 2019
213	noc19-ge07	IIT Kharagpur	Multidisciplinary	Fuzzy Logic and Neural Networks	Prof. Dilip Kumar Pratihar	8 Weeks	25 February 2019	19 April 2019	28 April 2019
214	noc19-ge08	IIT Kharagpur	Multidisciplinary	Entrepreneurship Essentials	Prof. Manoj Kumar Mondal	8 Weeks	25 February 2019	19 April 2019	27 April 2019
215	noc19-ge09	IIT Kharagpur	Multidisciplinary	Roadmap for patent creation	Prof. Gouri Gargate	8 Weeks	28 January 2019	22 March 2019	31 March 2019
216	noc19-ge10	IIT Madras	Multidisciplinary	Matlab Programming for Numerical Computation	Prof. Niket Kaisare	8 Weeks	28 January 2019	22 March 2019	31 March 2019
217	noc19-ge12	IIT Madras	Multidisciplinary	Manage TB	Prof. Mohan Natrajan & Dr. V V Banu Rekha	8 Weeks	25 February 2019	19 April 2019	28 April 2019
218	noc19-ge13	CDSA,THSTI,DBT	Multidisciplinary	Current regulatory requirements for conducting cli	Prof. A. B. Ramteke Prof. Sucheta Banerjee Kurundk	4 Weeks	25 February 2019	22 March 2019	28 April 2019
219	noc19-ge14	CDSA,THSTI,DBT	Multidisciplinary	Regulatory requirements for medical devices and IV	Prof. Malay Mitra Prof. Arun B.Ramteke	4 Weeks	25 February 2019	22 March 2019	27 April 2019
220	noc19-ge15	IIT Bombay	Multidisciplinary	Designing Learner-Centric MOOCs	Prof.Sridhar Iyer Prof.Sahana Murthy Dr.Jayakrishn	4 Weeks	25 February 2019	22 March 2019	27 April 2019

221	noc19-oe01	IIT Madras	Ocean Engineering	Offshore Structures Under Special Loads Including	Prof. Srinivas Chandarsekaran	12 Weeks	28 January 2019	19 April 2019	27 April 2019
222	noc19-ph04	IIT Guwahati	Physics	A brief course on Superconductivity	Prof. Saurabh Basu	4 weeks	25 February 2019	22 March 2019	27 April 2019
223	noc19-ph05	IIT Roorkee	Physics	Fiber Optics	Prof. Vipul Rastogi	8 Weeks	28 January 2019	22 March 2019	31 March 2019
224	noc19-ph07	IIT Delhi	Physics	Semiconductors Optoelectronics	Prof. M.R. Shenoy	12 Weeks	28 January 2019	19 April 2019	28 April 2019
225	noc19-te02	IIT Delhi	Textile Engineering	Testing of Functional and Technical Textiles	Prof. Apurba Das	8 Weeks	28 January 2019	22 March 2019	31 March 2019
226	noc19-te04	IIT Delhi	Textile Engineering	Advanced Textile Printing Technology	Prof. Kushal Sen	8 Weeks	25 February 2019	19 April 2019	27 April 2019
227	noc19-te05	IIT Delhi	Textile Engineering	Textured Yarn Technology	Prof. Kushal Sen	12 Weeks	28 January 2019	19 April 2019	28 April 2019