

Seq	Discipline	Course name	Instructor	Institute	Duration	Hours	Timeline	Exam date
1	Aerospace engineering	Gas dynamics	Prof. Sameen. A	IITM	12 weeks	30hrs	JULY-OCT 2017	Oct 22
2	Aerospace engineering	Engineering Thermodynamics	Prof. D. P. Mishra	IITK	12 weeks	30hrs	JULY-OCT 2017	Oct 22
3	Aerospace engineering	Combustion in air breathing aero engines	Prof. Swetaprovo Chaudhuri	IISc	12 weeks	30hrs	JULY-OCT 2017	Oct 22
4	Aerospace engineering	Aircraft Design	Prof. A.K.Ghosh	IITK	12 weeks	30hrs	JULY-OCT 2017	Oct 22
5	Aerospace engineering	Aircraft Stability and Control	Prof. A.K.Ghosh	IITK	12 weeks	30hrs	JULY-OCT 2017	Oct 22
6	Agriculture & Food Engineering	Momentum transfer in process engineering	Prof. Tridib Kumar Goswami	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
7	Biological sciences & Biotechnology	Biostatistics and design of experiments	Prof. Mukesh Doble	IITM	8 weeks	20hrs	JULY-SEP 2017	Sep 24
8	Biological sciences & Biotechnology	Biomedical nanotechnology	Prof. P.Gopinath	IITR	4 weeks	10hrs	JULY-AUG 2017	Sep 24
9	Biological sciences & Biotechnology	Introduction to mechanobiology	Prof. Shamik Sen	IITB	8 weeks	20hrs	AUG-OCT 2017	Oct 22
10	Biological sciences & Biotechnology	Animal Physiology	Prof. Mainak Das	IITK	12 weeks	30hrs	JULY-OCT 2017	Oct 22
11	Biological sciences & Biotechnology	Cell Culture Technologies	Prof. Mainak Das	IITK	8 weeks	20hrs	AUG-OCT 2017	Oct 22
12	Biological sciences & Biotechnology	Forest Biometry	Dr. Ankur Awadhiya & Prof. Mainak Das	IITK	8 weeks	20hrs	AUG-OCT 2017	Oct 22
13	Biological sciences & Biotechnology	Industrial Biotechnology	Prof. Debabrata Das	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
14	Chemical engineering	Trace and ultra-trace analysis of metals using atomic absorption spectrometry	Prof. J. R. Mudakavi	IISc	8 weeks	20hrs	JULY-SEP 2017	Sep 24
15	Chemical engineering	Introduction to evolutionary dynamics	Prof. Supreet Saini	IITB	8 weeks	20hrs	JULY-SEP 2017	Sep 24
16	Chemical engineering	Phase equilibrium thermodynamics	Prof. Gargi Das	IITKGP	8 weeks	20hrs	JULY-SEP 2017	Sep 24
17	Chemical engineering	Transport phenomena	Prof. Sunando DasGupta	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
18	Chemical engineering	Unit operations of particulate matter	Prof. Shabina Khanam	IITR	4 weeks	10hrs	JULY-AUG 2017	Sep 24
19	Chemistry and biochemistry	Basics of Fluorescence Spectroscopy	Prof. Pratik Sen	IITK	8 weeks	20hrs	JULY-SEP 2017	Sep 24
20	Chemistry and biochemistry	Laser: Fundamentals and Applications	Prof. Manabendra Chandra	IITK	8 weeks	20hrs	AUG-OCT 2017	Oct 22
21	Chemistry and biochemistry	Chemical and Biological Thermodynamics: Principles to Applications	Prof. Nand Kishore	IITB	12 weeks	30hrs	JULY-OCT 2017	Oct 22

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22	Chemistry and biochemistry	Analytical chemistry	Prof. Debashis Ray	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
23	Chemistry and biochemistry	Co-ordination chemistry (chemistry of transition elements)	Prof. Debashis Ray	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
24	Chemistry and biochemistry	Stereochemistry	Prof. Amit Basak	IITKGP	8 weeks	20hrs	JULY-SEP 2017	Sep 24
25	Chemistry	Advanced Mathematical Methods for Chemistry	Prof. Madhav Ranganathan	IITK	12 weeks	30hrs	JULY-OCT 2017	Oct 22
26	Civil engineering	Project planning and control	Prof. Koshy Varghese	IITM	8 weeks	20hrs	JULY-SEP 2017	Sep 24
27	Civil engineering	Geotechnical Engineering Laboratory	Prof. J. N. Mandal	IITB	4 weeks	10hrs	JULY-AUG 2017	Sep 24
28	Civil engineering	Mechanics of Solids	Prof. Priyanka Ghosh	IITK	12 weeks	30hrs	JULY-OCT 2017	Oct 22
29	Civil engineering	Principles of Construction Management	Prof. Sudhir Misra	IITK	8 weeks	20hrs	AUG-OCT 2017	Oct 22
30	Civil engineering	Foundation Design	Prof. N.R. Patra	IITK	12 weeks	30hrs	JULY-OCT 2017	Oct 22
31	Civil engineering	Integrated Waste Management for a Smart City	Prof. Brajesh Kumar Dubey	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
32	Civil engineering	Computational hydraulics	Prof. Anirban Dhar	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
33	Civil engineering	Design of steel structures	Prof. Damodar Maiti	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
34	Civil engineering	Strength of materials	Prof. Sriman Kumar Bhattacharyya	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
35	Civil engineering	Design of reinforced concrete structures	Prof. Nirjhar Dhang	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
36	Civil engineering	Reinforced Concrete Road Bridges	Prof. Nirjhar Dhang	IITKGP	4 weeks	10hrs	JULY-AUG 2017	Sep 24
37	Civil engineering	Structural analysis i	Prof. Amit Shaw	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
38	Earth science	Digital Image Processing of Remote Sensing Data	Prof. Arun K. Saraf	IITR	4 weeks	10hrs	JULY-AUG 2017	Sep 24
39	Civil engineering	Geoenvironmental Engineering (Environmental Geotechnology): Landfills, Slurry Ponds & Contaminated Sites	Prof. Manoj Datta	IITD	12 weeks	30hrs	JULY-OCT 2017	Oct 22
40	Computer science and engineering	Computer architecture and organization	Prof. Indranil Sengupta & Prof. Kamalika Datta	IITKGP, NIT Meghalaya	12 weeks	30hrs	JULY-OCT 2017	Oct 22
41	Computer science and engineering	Introduction to algorithms and analysis	Prof. Sourav Mukhopadhyay	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
42	Computer science and engineering	Hardware modeling using verilog	Prof. Indranil Sen Gupta	IITKGP	8 weeks	20hrs	AUG-OCT 2017	Oct 22
43	Computer science and engineering	Introduction to internet of things	Prof. Sudip Misra	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22

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44	Computer science and engineering	Cloud computing	Prof. Soumya Kanti Ghosh	IITKGP	8 weeks	20hrs	AUG-OCT 2017	Oct 22
45	Computer science and engineering	Programming in C++	Prof. Partha Pratim Das	IITKGP	8 weeks	20hrs	JULY-SEP 2017	Sep 24
46	Computer science and engineering	Object oriented analysis and design	Prof. Partha Pratim Das	IITKGP	8 weeks	20hrs	JULY-SEP 2017	Sep 24
47	Computer science and engineering	Introduction to Machine Learning	Prof. Sudeshna Sarkar	IITKGP	8 weeks	20hrs	JULY-SEP 2017	Sep 24
48	Computer science and engineering	Design and analysis of algorithms	Prof. Madhavan Mukund	CMI	8 weeks	20hrs	JULY-SEP 2017	Sep 24
49	Computer science and engineering	Programming, data structures and algorithms using python	Prof. Madhavan Mukund	CMI	8 weeks	20hrs	JULY-SEP 2017	Sep 24
50	Computer science and engineering	Introduction to operating systems	Prof. Chester Robeiro	IITM	8 weeks	20hrs	JULY-SEP 2017	Sep 24
51	Computer science and engineering	Ai: search methods for problem solving	Prof. Deepak Khemani	IITM	12 weeks	30hrs	JULY-OCT 2017	Oct 22
52	Computer science and engineering	Privacy and Security in Online Social Media	Prof. Ponnurangam.K	IIITD	8 weeks	20hrs	JULY-OCT 2017	Oct 22
53	Computer science and engineering	Software testing	Prof. Meenakshi D'souza	IIITB	12 weeks	30hrs	JULY-OCT 2017	Oct 22
54	Computer science and engineering	Fundamentals of Database Systems	Prof. Arnab Bhattacharya	IITK	8 weeks	20hrs	JULY-SEP 2017	Sep 24
55	Computer science and engineering	Modern Compilers - Theory and Practice	Prof. V. Krishna Nandivada	IITM	12 Weeks	30hrs	JULY-OCT 2017	Oct 22
56	Computer science and engineering	Theory of Computation	Prof. Raghunath Tewari	IITK	8 weeks	20hrs	JULY-SEP 2017	Sep 24
57	Computer science and engineering	Computer Organization	Prof. Kamakoti	IITM	12 weeks	30hrs	JULY-OCT 2017	Oct 22
58	Computer science and engineering	Introduction To Cryptology	Prof. S. Gangopadhay	IITR	4 weeks	10hrs	JULY-AUG 2017	Sep 24
59	Computer science and engineering	Social Networks	S.R. Sudarshan Iyengar	IIT Ropar	12 weeks	30hrs	JULY-OCT 2017	Oct 22
60	Electrical / Electronics / Communications Engg	Introduction to Wireless and Cellular Communications	Prof. David Kovil Pillai	IITM	12 weeks	30hrs	JULY-OCT 2017	Oct 22
61	Computer science and engineering	Model Checking	Prof. B.Srivathsan	CMI	12 weeks	30hrs	JULY-OCT 2017	Oct 22
62	Computer science and engineering	Introduction to Parallel Programming in OpenMP	Prof. Yogish Sabharwal	IITD	4 Weeks	10hrs	AUG-SEP 2017	Oct 22

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63	Computer science and engineering	Introduction to Modern Application Development	Prof. Gaurav Raina	IITM	8 weeks	20hrs	JULY-SEP 2017	Sep 24
64	Electrical / Electronics / Communications Engg	Optimal control	Prof. Barjeev Tyagi	IITR	8 weeks	20hrs	JULY-SEP 2017	Sep 24
65	Electrical / Electronics / Communications Engg	Controls engineering	Prof. Ramkrishna.P	IITM	12 weeks	30hrs	JULY-OCT 2017	Oct 22
66	Electrical / Electronics / Communications Engg	Basic electrical circuits	Prof. Nagendra Krishnapura	IITM	8 weeks	20hrs	JULY-SEP 2017	Sep 24
67	Electrical / Electronics / Communications Engg	Analog circuits	Prof. Nagendra Krishnapura	IITM	12 weeks	30hrs	JULY-OCT 2017	Oct 22
68	Electrical / Electronics / Communications Engg	Networks and systems	Prof. Andrew Thangaraj and Prof.C.S.Ramalingam	IITM	12 weeks	30hrs	JULY-OCT 2017	Oct 22
69	Electrical / Electronics / Communications Engg	Microwave Integrated Circuits	Prof. Jayanta Mukherjee	IITB	8 weeks	20hrs	JULY-SEP 2017	Sep 24
70	Electrical / Electronics / Communications Engg	Principles of Communication Systems: Part - II	Prof. Aditya K. Jagannatham	IITK	8 weeks	20hrs	JULY-SEP 2017	Sep 24
71	Electrical / Electronics / Communications Engg	Applied Electromagnetics For Engineers	Prof. Pradeep Kumar K	IITK	12 weeks	30hrs	JULY-OCT 2017	Oct 22
72	Electrical / Electronics / Communications Engg	Estimation for Wireless Communications – MIMO/OFDM Cellular and Sensor Networks	Prof. Aditya K. Jagannatham	IITK	8 weeks	20hrs	JULY-SEP 2017	Sep 24
73	Electrical / Electronics / Communications Engg	Design for internet of things	Prof. T V Prabhakar	IISc	8 weeks	20hrs	JULY-SEP 2017	Sep 24
74	High Voltage Engg, (Electrical Engg)	Advances in UHV Transmission and Distribution	Prof Subba Reddy B	IISc	8 Weeks	20hrs	JULY-SEP 2017	Sep 24
75	Electrical / Electronics / Communications Engg	Computational Electromagnetics & Applications	Prof. Dr. Krish Sankaran	IITM	12 weeks	30hrs	JULY-OCT 2017	Oct 22
76	Electrical / Electronics / Communications Engg	Enclosure design of electronics equipment	Prof. N. V Chalapathi Rao	IISc	12 weeks	30hrs	JULY-OCT 2017	Oct 22
77	Electrical / Electronics / Communications Engg	Design of photovoltaic systems	Prof. L Umanand	IISc	12 weeks	30hrs	JULY-OCT 2017	Oct 22
78	Electrical / Electronics / Communications Engg	Photonic integrated circuits	Prof. T. Srinivas	IISc	4 weeks	10hrs	JULY-AUG 2017	Sep 24
79	Electrical / Electronics / Communications Engg	Power system analysis	Prof. Debapriya Das	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
80	Electrical / Electronics / Communications Engg	Industrial instrumentation	Prof. Alok Barua	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22

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81	Electrical / Electronics / Communications Engg	Electrical machines - i	Prof. D Kastha and Prof. Suman Maiti	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
82	Electrical / Electronics / Communications Engg	Analog communication	Prof. Goutam Das	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
83	Electrical / Electronics / Communications Engg	Modern digital communication techniques	Prof. Suvra Sekhar Das	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
84	Electrical / Electronics / Communications Engg	Digital speech processing	Prof. Shyamal Kumar Das Mandal	IITKGP	8 weeks	20hrs	AUG-OCT 2017	Oct 22
85	Electrical / Electronics / Communications Engg	Satellite communication	Prof. Kalyan Kumar Bandyopadhyay	IITKGP	8 weeks	20hrs	AUG-OCT 2017	Oct 22
86	Electrical / Electronics / Communications Engg	Analog Circuits and Systems through SPICE Simulation	Prof. Mrigank Sharad	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
87	Electrical / Electronics / Communications Engg	An Introduction to Information Theory	Prof. Adrish Banerjee	IITK	8 weeks	20hrs	JULY-SEP 2017	Sep 24
88	Humanities and Social Sciences	Soft skills	Prof. Binod Mishra	IITR	12 weeks	30hrs	JULY-OCT 2017	Oct 22
89	Humanities and Social Sciences	Technical english for engineers	Prof. Aysha Iqbal	IITM	8 weeks	20hrs	JULY-SEP 2017	Sep 24
90	Humanities and Social Sciences	Literature for competitive exams	Prof. Aysha Iqbal	IITM	8 weeks	20hrs	JULY-SEP 2017	Sep 24
91	Humanities and Social Sciences	Applied linguistics	Prof. Rajesh Kumar	IITM	12 weeks	30hrs	JULY-OCT 2017	Oct 22
92	Humanities and Social Sciences	Cognition, Transformation and Lives	Dr. Alok Bajpai	IITK	4 weeks	10hrs	JULY-AUG 2017	Sep 24
93	Humanities and Social Sciences	Visual Perception and Art: A Survey Across the Cultures	Prof. Soumik Nandy Majumdar	Visva Bharati University, Santiniketan	4 weeks	10hrs	JULY-AUG 2017	Sep 24
94	Humanities and Social Sciences	Introduction to Basic Cognitive Processes	Prof. Ark Verma	IITK	8 weeks	20hrs	JULY-SEP 2017	Sep 24
95	Mathematics	Calculus of One Real Variable	Prof. Joydeep Dutta	IITK	8 weeks	20hrs	AUG-OCT 2017	Oct 22
96	Humanities and Social Sciences	Science, Technology and Society	Prof. Sambit Mallick	IITG	12 weeks	30hrs	JULY-OCT 2017	Oct 22
97	Humanities and Social Sciences	Gender and Literature	Prof. Avishek Parui	IITG	8 weeks	20hrs	JULY-SEP 2017	Sep 24
98	Humanities and Social Sciences	Ecology and Society	Prof. Ngamjahao Kipgen	IITG	12 weeks	30hrs	JULY-OCT 2017	Oct 22
99	Humanities and Social Sciences	History of English Language and Literature	Prof. Merin Simi Raj	IITM	12 weeks	30hrs	JULY-OCT 2017	Oct 22

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100	Humanities and Social Sciences	Introduction to Psychology	Prof. Braj Bhushan	IITK	8 weeks	20hrs	JULY-SEP 2017	Sep 24
101	Humanities and Social Sciences	Developing Soft Skills and Personality	Prof. T. Ravichandran	IITK	8 weeks	20hrs	JULY-SEP 2017	Sep 24
102	Humanities and Social Sciences	Human resource development	Prof. KBL Srivastava	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
103	Humanities and Social Sciences	Educational leadership	Prof. Atasi Mohanty	IITKGP	8 weeks	20hrs	JULY-SEP 2017	Sep 24
104	Management	Operations and supply chain management	Prof. G.srinivasan	IITM	12 weeks	30hrs	JULY-OCT 2017	Oct 22
105	Management	Patent Law for Engineers and Scientists	Prof. Feroze Ali	IITM	12 weeks	30hrs	JULY-OCT 2017	Oct 22
106	Management	Marketing research and analysis	Prof. J.K.Nayak	IITR	8 weeks	20hrs	JULY-SEP 2017	Sep 24
107	Management	Project management for managers	Prof. Mukesh Kumar Barua	IITR	12 weeks	30hrs	JULY-OCT 2017	Oct 22
108	Management	Total Quality Management - I	Prof. Raghu Nandan Sengupta	IITK	8 weeks	20hrs	AUG-OCT 2017	Oct 22
109	Management	Gender justice and workplace security	Prof. Dipa Dube	IITKGP	4 weeks	10hrs	JULY-AUG 2017	Sep 24
110	Management	Corporate social responsibility	Prof. Aradhna Malik	IITKGP	8 weeks	20hrs	JULY-SEP 2017	Sep 24
111	Management	Decision modeling	Prof. Biswajit Mahanty	IITKGP	8 weeks	20hrs	JULY-SEP 2017	Sep 24
112	Management	E-business	Prof. Mamata Jenamani	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
113	Management	Six sigma	Prof. T. P. Bagchi and Prof. Jitesh J Thakkar	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
114	Management	Introduction to Data Analytics	Prof. Nandan Sudarsanam Prof. Balaraman Ravindran	IITM	8 weeks	20hrs	JULY-SEP 2017	Sep 24
115	Mathematics	Differential equations	Prof. Srinivasa Manam	IITM	12 weeks	30hrs	JULY-OCT 2017	Oct 22
116	Mathematics	Integral equations, calculus of variations and its applications	Prof. P. N. Agrawal Prof.D. N. Pandey	IITR	12 weeks	30hrs	JULY-OCT 2017	Oct 22
117	Mathematics	Nonlinear programming	Prof. S. K Gupta	IITR	4 weeks	10hrs	JULY-AUG 2017	Sep 24
118	Mathematics	Numerical methods	Prof. Ameeya Kumar Nayak, Prof. Sanjeev Kumar	IITR	8 weeks	20hrs	JULY-SEP 2017	Sep 24
119	Mathematics	Measure Theory	Prof. Inder Kumar Rana	IITB	12 weeks	30hrs	JULY-OCT 2017	Oct 22
120	Mathematics	Numerical Analysis	Prof. R. Usha	IITM	12 weeks	30hrs	JULY-OCT 2017	Oct 22
121	Mathematics	Introduction to R Software	Prof. Shalabh	IITK	8 weeks	20hrs	JULY-SEP 2017	Sep 24

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122	Mathematics	Constrained and unconstrained optimization	Prof. A Goswami & Prof. Debjani Chakraborty	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
123	Mathematics	Graph Theory	Prof. Soumen Maity	IISER PUNE	8 weeks	20hrs	AUG-OCT 2017	Oct 22
124	Mathematics	Regression analysis	Prof. Soumen Maity	IISER PUNE	12 weeks	30hrs	JULY-OCT 2017	Oct 22
125	Mechanical / Industrial/ Materials science and engineering	Heat Treatment and Surface Hardening - II	Prof. Kallol Mondal & Prof. Sandeep Sangal	IITK	8 weeks	20hrs	AUG-OCT 2017	Oct 22
126	Mechanical / Industrial/ Materials science and engineering	Phase Transformation in Materials	Prof. Krishanu Biswas	IITK	12 weeks	30hrs	JULY-OCT 2017	Oct 22
127	Mechanical / Industrial/ Materials science and engineering	Fundamentals of manufacturing processes	Prof. D K Dwivedi	IITR	12 weeks	30hrs	JULY-OCT 2017	Oct 22
128	Mechanical / Industrial/ Materials science and engineering	Fluid dynamics and turbomachines	Prof. Dhiman Chatterjee and Prof. Shamit Bakshi	IITM	8 weeks	20hrs	JULY-SEP 2017	Sep 24
129	Mechanical / Industrial/ Materials science and engineering	Engineering fracture mechanics	Prof. K. Ramesh	IITM	12 weeks	30hrs	JULY-OCT 2017	Oct 22
130	Mechanical / Industrial/ Materials science and engineering	Foundation of computational fluid dynamics	Prof. S. Vengadesan	IITM	8 weeks	20hrs	JULY-SEP 2017	Sep 24
131	Mechanical / Industrial/ Materials science and engineering	Micro and nano scale energy transport	Prof. Arvind Pattamatta	IITM	12 weeks	30hrs	JULY-OCT 2017	Oct 22
132	Mechanical / Industrial/ Materials science and engineering	Manufacturing of Composites	Prof. J. Ramkumar	IITK	8 weeks	20hrs	JULY-SEP 2017	Sep 24
133	Mechanical / Industrial/ Materials science and engineering	Applied Ergonomics	Prof. Shantanu Bhattacharya & Dr. Ankur Gupta	IITK	12 weeks	30hrs	JULY-OCT 2017	Oct 22
134	Mechanical / Industrial/ Materials science and engineering	Nature and Properties of Materials	Prof. Bishakh Bhattacharya	IITK	8 weeks	20hrs	JULY-SEP 2017	Sep 24
135	Mechanical / Industrial/ Materials science and engineering	Mathematical Methods in Engineering and Science	Prof. Bhaskar Dasgupta	IITK	12 weeks	30hrs	JULY-OCT 2017	Oct 22

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136	Mechanical / Industrial/ Materials science and engineering	Electron diffraction and imaging	Prof. Sundararaman M	IITM	12 weeks	30hrs	JULY-OCT 2017	Oct 22
137	Mechanical / Industrial/ Materials science and engineering	Acoustic and Noise Control	Prof. Abijith Sarkar	IITM	12 weeks	30hrs	JULY-OCT 2017	Oct 22
138	Mechanical / Industrial/ Materials science and engineering	Sustainability through Green Manufacturing Systems: An Applied Approach	Prof. Deepu Philip & Dr. Amandeep Singh	IITK	8 weeks	20hrs	AUG-OCT 2017	Oct 22
139	Mechanical / Industrial/ Materials science and engineering	Modelling and simulation of discrete event systems	Prof. P. Kumar Jha	IITR	8 weeks	20hrs	JULY-SEP 2017	Sep 24
140	Mechanical / Industrial/ Materials science and engineering	Processing of Polymers and Polymer Composites	Prof. Inderdeep Singh	IITR	8 weeks	20hrs	JULY-SEP 2017	Sep 24
141	Mechanical / Industrial/ Materials science and engineering	Fundamentals of Material Processing - I	Prof. Shashank Shekhar	IITK	8 weeks	20hrs	JULY-SEP 2017	Sep 24
142	Mechanical / Industrial/ Materials science and engineering	Steel Quality : Role of Secondary Refining & Continuous Casting	Prof. Santanu Kr. Ray	IITM	8 weeks	20hrs	AUG-OCT 2017	Oct 22
143	Mechanical / Industrial/ Materials science and engineering	X-ray Crystallography & Diffraction	Prof. Ranjit Kumar Ray	IEST Shibpur	12 weeks	30hrs	JULY-OCT 2017	Oct 22
144	Mechanical / Industrial/ Materials science and engineering	Noise Management & Control	Prof. Nachiketa Tiwari	IITK	12 weeks	30hrs	JULY-OCT 2017	Oct 22
145	Mechanical / Industrial/ Materials science and engineering	Manufacturing Systems Technology I & II	Prof. Shantanu Bhattacharya	IITK	12 weeks	30hrs	JULY-OCT 2017	Oct 22
146	Mechanical / Industrial/ Materials science and engineering	Refrigeration And Air-conditioner	Prof. Ravi Kumar	IITR	8 weeks	20hrs	JULY-SEP 2017	Sep 24
147	Mechanical / Industrial/ Materials science and engineering	Spur and helical gear cutting	Prof. Asimava Roy Choudhury	IITKGP	4 weeks	10hrs	JULY-AUG 2017	Sep 24
148	Mechanical / Industrial/ Materials science and engineering	Laws of thermodynamics	Prof. S.K Som & Prof.Suman Chakraborty	IITKGP	4 weeks	10hrs	JULY-AUG 2017	Sep 24

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149	Mechanical / Industrial/ Materials science and engineering	Energy conservation and waste heat recovery	Prof. PK Das & Prof. A Bhattacharya	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
150	Multidisciplinary	Biology for engineers and other non- biologists	Prof. G.K.Suraishkumar/ Prof.Madhulika Dixit	IITM	4 weeks	10hrs	JULY-AUG 2017	Sep 24
151	Multidisciplinary	Introduction to research	Prof. Prathap Haridoss	IITM	8 weeks	20hrs	JULY-SEP 2017	Sep 24
152	Multidisciplinary	Health Research Fundamentals	Dr. Sanjay Mehendale Dr. Manoj V Murhekar Dr. R Ramakrishnan Dr. Tarun Bhatnagar Dr. Prabhdeep Kaur Dr. P. Manickam Dr. P GaneshKumar	NIE	8 weeks	20hrs	JULY-SEP 2017	Sep 24
153	Multidisciplinary	Outcome based pedagogic principles for effective teaching	Prof. Shyamal Kumar Das Mandal and Dr. Tamali Bhattacharyya.	IITKGP	4 weeks	10hrs	JULY-AUG 2017	Sep 24
154	Physics	Quantum Information and Computing	Prof. Dipan Ghosh	IITB	8 weeks	20hrs	JULY-SEP 2017	Sep 24
155	Physics	Mathematical methods in Physics-I	Prof. Samudra Roy	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
156	Physics	Classical mechanics: from newtonian to lagrangian formulation	Prof. Debamalya Banerjee	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22
157	Physics	Solid state physics	Prof. Amal Kumar Das	IITKGP	12 weeks	30hrs	JULY-OCT 2017	Oct 22