S.no	Course Id	Course Name	SME Name	Institute	Course Period	Duration
1	noc16-ae03	Engineering Thermodynamics	Prof. D.P.Mishra	IIT Kanpur	Jul-Oct 2016	12 weeks
2	noc16-ae04	Aircraft Dynamic Stability & Design Stability Augmentation System	Prof. A.K.Ghosh	IIT Kanpur	Jul-Sep 2016	8 weeks
3	noc16-bt06	Interactomics: Protein Arrays & Label-free Biosensors	Prof. Sanjeeva Srivastava	IIT Bombay	Jul-Sep 2016	8 weeks
4	noc16-bt07	Introduction to proteomics	Prof. Sanjeeva Srivastava	IIT Bombay	Jul-Sep 2016	8 weeks
5	noc16-ce05	Modern Construction materials	Prof. Ravindra Gettu	IIT Madras	Jul-Oct 2016	12 weeks
6	noc16-ce06	Project Planning and Control	Prof. Koshy Varghese	IIT Madras	Jul-Sep 2016	8 weeks
7	noc16-ce08	Structural Dynamics	Prof. Ramancharala Pradeep Kumar	IIIT Hyderabad	Jul-Oct 2016	12 weeks
8	noc16-ce09	Earth Sciences for Civil Engineering	Prof. Javed Mallik	IIT Kanpur	Jul-Sep 2016	4 weeks
9	noc16-ce10	Concrete Technology	Prof. B. Bhattacharjee	IIT Delhi	Jul-Oct 2016	12 weeks
10	noc16-ce11	Principles and Applications of Building Science	Dr.E.Rajasekar	IIT Roorkee	Sep-Oct 2016	4 weeks
11	noc16-ce12	Introduction to Geographic Information Systems	Dr.Arun K.Saraf	IIT Roorkee	Sep-Oct 2016	4 weeks
12	noc16-ce13	GPS SURVEYING	Dr.Jayanta Kumar Ghosh	IIT Roorkee	Sep-Oct 2016	4 weeks
13	noc16-ch05	Introduction to Time-Frequency Analysis and Wavelet Transforms	Prof. Arun Tangirala	IIT Madras	Jul-Oct 2016	12 weeks
14	noc16-ch06	Soft Nano Technology	Prof. Rabibrata Mukherjee	IIT Kharagpur	Jul-Sep 2016	8 weeks
15	noc16-ch07	Mechanical Operations	Prof. Shabina Khanam	IIT Roorkee	Sep-Oct 2016	4 weeks
16	noc16-ch08	Adiabatic Two Phase Flow and Flow Boiling in Microchannel	Prof. Gargi Das	IIT Kharagpur	Sep-Oct 2016	4 weeks
17	noc16-cs07	Privacy and Security in Online Social Media	Prof. Ponnurangam Kumaraguru	IIIT Delhi	Jul-Oct 2016	8 weeks
18	noc16-cs08	Artificial Intelligence: Search Methods for Problem Solving	Prof. Deepak Khemani	IIT Madras	Jul-Oct 2016	12 weeks
19	noc16-cs09	Reinforcement Learning	Prof. Ravindran	IIT Madras	Jul-Oct 2016	12 weeks
20	noc16-cs10	Introduction to Operating Systems	Prof. Chester Rebeiro	IIT Madras	Jul-Sep 2016	8 weeks
21	noc16-cs11	Programming, Data Structures and Algorithms in Python	Prof. Madhavan Mukund	Chennai Mathematical Institute	Jul-Sep 2016	8 weeks
22	noc16-cs12	Algorithms for Big Data	Prof. John Augustine	IIT Madras	Jul-Sep 2016	8 weeks
23	noc16-cs13	Mobile Computing	Prof. Pushpendra Singh	IIIT Delhi	Jul-Oct 2016	12 weeks
24	noc16-cs14	Theory of Computation	Prof. Raghunath Tewari	IIT Kanpur	Jul-Sep 2016	8 weeks

25	noc16-cs15	Modern Algebra	Prof. Manindra Agrawal	IIT Kanpur	Jul-Sep 2016	8 weeks
26	noc16-cs16	Software Testing	Prof. Rajib Mall	IIT Kharagpur	Jul-Sep 2016	4 weeks
27	noc16-cs17	Programming in C++	Prof. Partha Pratim Das	IIT Kharagpur	Jul-Sep 2016	8 weeks
28	noc16-cs18	Introduction to Machine Learning	Prof. Sudeshna Sarkar	IIT Kharagpur	Jul-Sep 2016	8 weeks
29	noc16-cs19	Object-Oriented Analysis and Design	Prof. Partha Pratim Das	IIT Kharagpur	Jul-Sep 2016	8 weeks
30	noc16-cs20	Complex Network : Theory and Application	Prof. Animesh Mukherjee	IIT Kharagpur	Jul-Sep 2016	4 weeks
31	noc16-cs21	Introduction to Cryptology	Prof. Sugata Gangopdhyaya	IIT Roorkee	Jul-Sep 2016	4 weeks
32	noc16-cs22	Design and analysis of algorithms	Prof. Madhavan Mukund	Chennai Mathematical Institute	Jul-Sep 2016	8 weeks
33	noc16-cs23	Introduction to Modern Application Development	Prof. Gaurav Raina,Tanmai Gopal	IIT Madras	Sep-Oct 2016	4 weeks
34	noc16-cs24	Fundamental Algorithms: Design and Analysis	Prof. Sourav Mukhopadhyay	IIT Kharagpur	Sep-Oct 2016	4 weeks
35	noc16-cy04	Pericyclic Reactions and Organic Photochemistry	Prof. Sankararaman	IIT Madras	Jul-Sep 2016	8 weeks
36	noc16-cy05	Principles and Applications of NMR Spectroscopy	Prof. Hanudatta S. Atreya	IISc Bangalore	Jul-Sep 2016	8 weeks
37	noc16-cy06	Organo Metallic Chemistry	Prof. Debabrata Maiti	IIT Bombay	Jul-Sep 2016	4 weeks
38	noc16-cy07	Chemical Applications of Symmetry and Group Theory	Prof. Manabendra Chandra	IIT Kanpur	Jul-Sep 2016	8 weeks
39	noc16-ec08	VLSI Design Verification and test	Prof. Santhosh biswas,Prof. Jatindra Kumar Deka,Prof. Arnab Sarkar	IIT Guwahati	Jul-Oct 2016	12 weeks
40	noc16-ec09	Basic Building Blocks of Microwave Engineering	Prof. Amitabha Bhattacharya	IIT Kharagpur	Jul-Sep 2016	4 weeks
41	noc16-ec10	Satellite Communication Systems	Prof. Kalyankumar Bandyopadhyay	IIT Kharagpur	Jul-Sep 2016	8 weeks
42	noc16-ec11	Fundamentals of MIMO Wireless Communication	Prof. Suvra Sekhar Das	IIT Kharagpur	Jul-Sep 2016	8 weeks
43	noc16-ec12	Audio System Engineering	Prof. Shyamal Kumar Das Mandal	IIT Kharagpur	Jul-Sep 2016	4 weeks
44	noc16-ec13	Discrete Time Signal Processing	Prof. Arijit De	IIT Kharagpur	Jul-Sep 2016	8 weeks
45	noc16-ec14	Digital Image Processing	Prof. Prabir Kumar Biswas	IIT Kharagpur	Jul-Oct 2016	12 weeks
46	noc16-ec15	Bayesian/ MMSE Estimation for Wireless Communications - MIMO/ OFDM	Prof. Aditya Jagannatham	IIT Kanpur	Jul-Sep 2016	8 weeks
47	noc16-ec16	Optical communications	Prof. Pradeep Kumar K	IIT Kanpur	Jul-Oct 2016	12 weeks
48	noc16-ec17	Digital Switching - I	Prof. Y.N.Singh	IIT Kanpur	Jul-Sep 2016	8 weeks
49	noc16-ec18	An Introduction to Information Theory	Prof. Adrish Banerjee	IIT Kanpur	Jul-Sep 2016	8 weeks

50	noc16-ec19	Principles of Modern CDMA/ MIMO/ OFDM Wireless Communications	Prof. Aditya Jagannatham	IIT Kanpur	Jul-Sep 2016	8 weeks
51	noc16-ee03	Basic Electrical Circuits	Prof. Aniruddhan	IIT Madras	Jul-Sep 2016	8 weeks
52	noc16-ee04	Computational Electromagnetics & Applications	Prof. Dr. Krish Sankaran	IIT Bombay	Jul-Oct 2016	12 weeks
53	noc16-ge02	Introduction to Research	Prof. Prathap Haridoss	IIT Madras	Jul-Sep 2016	8 weeks
54	noc16-ge03	Biology for engineers and other non-biologists	Prof. Suraishkumar, Prof. Madhulika Dixit	IIT Madras	Jul-Sep 2016	4 weeks
55	noc16-ge04	Stress Management	Prof. Rajlakshmi Guha	IIT Kharagpur	Sep-Oct 2016	4 weeks
56	noc16-hs07	How the Brain Creates Mind	Prof. Alok Bajpai	IIT Kanpur	Jul-Sep 2016	4 weeks
57	noc16-hs08	Economics of IPR	Prof. Nalin Bharti	IIT Patna	Jul-Sep 2016	4 weeks
58	noc16-hs09	Introduction to Indian Art - An appreciation	Prof. Soumik Nandi Majumdar	IIT Kanpur	Jul-Sep 2016	4 weeks
59	noc16-hs10	Basic Concepts of Modal Logic	Prof. AVR Sarma	IIT Kanpur	Jul-Sep 2016	4 weeks
60	noc16-hs11	Probability and Stochastics for Finance II	Prof. Joydeep Dutta	IIT Kanpur	Jul-Sep 2016	4 weeks
61	noc16-hs12	Introduction to Psychology	Prof. Braj Bhushan	IIT Kanpur	Jul-Sep 2016	8 weeks
62	noc16-hs13	Folk and Minor Art in India	Prof. Shatarupa Thakurta Roy	IIT Kanpur	Jul-Sep 2016	8 weeks
63	noc16-hs14	Developing Soft Skills and Personality	Prof. T Ravichandran	IIT Kanpur	Jul-Sep 2016	8 weeks
64	noc16-hs15	Soft Skill Development	Prof. Priyadarshi Patnaik,Prof. V.N. Giri	IIT Kharagpur	Jul-Sep 2016	8 weeks
65	noc16-hs16	Symbolic Logic	Prof. Chhanda Chakraborti	IIT Kharagpur	Jul-Sep 2016	8 weeks
66	noc16-hs17	Introduction on Intellectual Property to Engineers and Technologists	Prof. Tapas Kumar Bandyopadhyay	IIT Kharagpur	Jul-Sep 2016	8 weeks
67	noc16-hs18	Globalization and Culture	Prof. Anjali Gera Roy	IIT Kharagpur	Jul-Sep 2016	8 weeks
68	noc16-hs19	Understanding Design Thinking & People Centred Design	Prof. Jhumkee Iyengar	IIT Kanpur	Jul-Sep 2016	4 weeks
69	noc16-hs20	Health Research Fundamentals	Prof. Sanjay Mehendale	National Institute of Epidemiology	Jul-Sep 2016	8 weeks
70	noc16-hs21	American Literature & Culture	Prof. Aysha Iqbal Viswamohan	IIT Madras	Jul-Oct 2016	12 weeks
71	noc16-hs22	Digital Human Modeling and Simulation for Virtual Ergonomics Evaluation	Prof. Sougata Karmakar	IIT Guwahati	Jul-Sep 2016	8 weeks
72	noc16-hs23	Applied Linguistics	Prof. Rajesh Kumar	IIT Madras	Jul-Oct 2016	12 weeks
73	noc16-hs24	Time value of money Concepts and Calculations	Dr.Bikash Mohanty	IIT Roorkee	Sep-Oct 2016	4 weeks
74	noc16-hs25	Indian Philosophy	Satya Sundar Sethy	IIT Madras	Sep-Oct 2016	4 weeks
75	noc16-ma07	Curves and Surfaces	Prof. Sudipta Dutta	IIT Kanpur	Jul-Sep 2016	4 weeks
76	noc16-ma08	Stochastic Processes - 1	Prof. S. Dharamraja	IIT Delhi	Jul-Sep 2016	8 weeks

77	noc16-me09	Basics of Finite Element Analysis - II	Prof. Nachiketa Tiwari	IIT Kanpur	Jul-Sep 2016	8 weeks
78	noc16-me10	Basics of Finite Element Analysis - I	Prof. Nachiketa Tiwari	IIT Kanpur	Jul-Sep 2016	8 weeks
79	noc16-me11	Two phase flow and heat transfer	Prof. Arup Kumar Das	IIT Roorkee	Jul-Sep 2016	4 weeks
80	noc16-me12	Refrigeration and air-conditioning	Prof. Ravi Kumar	IIT Roorkee	Jul-Sep 2016	8 weeks
81	noc16-me13	Engineering Economic Analysis	Prof. Pradeep K. Jha	IIT Roorkee	Jul-Sep 2016	8 weeks
82	noc16-me14	Fluid Dynamics and Turbomachines	Prof. Dhiman Chatterjee,Prof. Shamit Bakshi	IIT Madras	Jul-Sep 2016	8 weeks
83	noc16-me15	Advanced Machining Processes	Prof. Manas Das	IIT Guwahati	Jul-Sep 2016	8 weeks
84	noc16-me16	Nature and Property of Materials	Prof. Bishakh Bhattacharya	IIT Kanpur	Jul-Sep 2016	8 weeks
85	noc16-me17	Manufacturing Process Technology - II	Prof. Shantanu Bhattacharya	IIT Kanpur	Jul-Sep 2016	8 weeks
86	noc16-me18	Manufacturing System Technology Part 1 & 2	Prof. Shantanu Bhattacharya	IIT Kanpur	Jul-Oct 2016	12 weeks
87	noc16-me19	Fluid Machines	Prof. Sankar Kumar Som	IIT Kharagpur	Jul-Sep 2016	8 weeks
88	noc16-me20	Variational Methods in Mechanics	Prof. Ananthasuresh,Prof. Safvan Palathingal	IISc Bangalore	Jul-Sep 2016	8 weeks
89	noc16-me21	Computer numerical control CNC of machine tools and processes	Prof. Asimava Roy Choudhury	IIT Kharagpur	Sep-Oct 2016	4 weeks
90	noc16-mg04	Marketing Management - II	Prof. Jayanta Chatterjee,Prof. Shashi Shekhar	IIT Kanpur	Jul-Sep 2016	8 weeks
91	noc16-mg05	Commodity Derivatives and Risk Management	Prof. Prabina Rajib	IIT Kharagpur	Jul-Sep 2016	8 weeks
92	noc16-mg06	Introduction to data analytics	Prof. Nandan Sudarsanam,Prof. Balaraman Ravindran	IIT Madras	Jul-Sep 2016	8 weeks
93	noc16-mg07	Strategic Communication for Sustainable Development	Prof. Aradhna Malik	IIT Kharagpur	Sep-Oct 2016	4 weeks
94	noc16-mm06	Fundamentals of X-ray diffraction and Transmission electron microscopy	Prof. Sankaran	IIT Madras	Jul-Sep 2016	8 weeks
95	noc16-mm07	Theory and Practice of Non Destructive Testing	Prof. Ranjit Bauri	IIT Madras	Jul-Sep 2016	8 weeks
96	noc16-mm08	Physics of Materials	Prof. Prathap Haridoss	IIT Madras	Jul-Oct 2016	12 weeks
97	noc16-mm09	Biomaterials for bone tissue engineering applications	Prof. Bikramjit Basu	IISc Bangalore	Jul-Sep 2016	8 weeks

98	noc16-mm10	Phase field modelling: the materials science, mathematics and computational aspects	Prof. M.P Gururajan	IIT Bombay	Jul-Oct 2016	12 weeks
99	noc16-mm11	Fundamentals of Material Processing - I	Prof. Shashank Shekhar	IIT Kanpur	Jul-Sep 2016	8 weeks
100	noc16-mm12	Heat Treatment and Surface Hardening - I	Prof. Kallol Mondal,Prof. Sandeep Sangal	IIT Kanpur	Jul-Sep 2016	8 weeks
101	noc16-mm13	Introduction to crystal elasticity and crystal plasticity	Prof. Swarup bag	IIT Guwahati	Jul-Sep 2016	8 weeks
102	noc16-ph01	Quantum Information and Computing	Prof. Dipan Ghosh	IIT Bombay	Jul-Sep 2016	8 weeks
103	noc16-ph02	Engineering Mechanics	Prof. Manoj Harbola	IIT Kanpur	Jul-Oct 2016	12 weeks
104	noc16-ph03	Introduction to Electromagnetic Theory	Prof. Manoj Harbola	IIT Kanpur	Jul-Sep 2016	8 weeks