

## NPTEL - Archive Video Course List

S.No	Course_ID	Discipline/Course_Name	Professor_Name	Institute
<b>Aerospace Engineering</b>				
1	101104018	Introduction to Propulsion	Dr. D.P. Mishra	IIT Kanpur
2	101101001	Introduction to Aerospace Propulsion	Prof. A M Pradeep ,Prof. Bhaskar Roy	IIT Bombay
3	101101002	Jet Aircraft Propulsion	Prof. Bhaskar Roy,Prof. A M Pradeep	IIT Bombay
4	101101058	Turbomachinery Aerodynamics	Prof. A M Pradeep ,Prof. Bhaskar Roy	IIT Bombay
5	101104005	Aero elasticity	Prof. C. Venkatesan	IIT Kanpur
6	101104013	Foundation of Scientific Computing	Prof. Tapan K. Sengupta	IIT Kanpur
7	101104015	Instability and Transition of Fluid Flows	Prof. Tapan K. Sengupta	IIT Kanpur
8	101104017	Introduction to Helicopter Aerodynamics and Dynamics	Prof. A.R. Manjunath,Prof. C. Venkatesan	IIT Kanpur
9	101104061	NOC:Introduction to airplane performance	Dr. A.K. Ghosh, Dr. Deepu Philip	IIT Kanpur
10	101105024	High Speed Aero Dynamics	Dr. K.P. Sinhamahapatra	IIT Kharagpur
11	101105030	Space Flight Mechanics	Dr. Manoranjan Sinha	IIT Kharagpur
12	101105059	Introduction to Aerodynamics	Dr. K.P. Sinhamahapatra	IIT Kharagpur
13	101106031	Acoustic Instabilities in Aerospace Propulsion	Prof. R.I. Sujith	IIT Madras
14	101106033	Aerospace Propulsion	Dr. P.A. Ramakrishna	IIT Madras
15	101106042	Flight Dynamics II (Stability)	Dr. Nandan Kumar Sinha	IIT Madras
16	101106044	Gas Dynamics	Dr. T.M. Muruganandam	IIT Madras
17	101106045	Introduction to CFD	Prof. M. Ramakrishna	IIT Madras
18	101108047	Advanced Control System Design for Aerospace Vehicles	Dr. Radhakant Padhi	IISc Bangalore
19	101108057	Optimal Control, Guidance and Estimation.	Dr. Radhakant Padhi	IISc Bangalore
20	101104019	Jet and Rocket Propulsion	Dr. A. Kushari	IIT Kanpur
<b>Atmospheric Science</b>				
21	119106008	Introduction to Atmospheric Science	Prof. C. Balaji	IIT Madras
22	119108004	Radiation Heat Transfer	Prof. J. Srinivasan	IISc Bangalore
23	119108006	The monsoon and its variability	Sulochana Gadgil	IISc Bangalore
<b>Basic courses(Sem 1 and 2)</b>				
24	122102004	Applied mechanics	Prof. R.K. Mittal,Prof. Sanjeev Sanghi	
25	122102007	Management Science I	Prof. Anuradha Sharma	

26	122102008	Materials Science	Prof. S.K. Gupta	
27	122102009	Numerical Methods and Computation	Prof. S. R. K. Iyengar	
28	122104015	Engineering Mechanics	Prof. Manoj K Harbola	
29	122104016	Engineering Physics II	Prof. S. Raychaudhuri, Prof. V. Ravishankar	
30	122104017	Mathematics I	Dr. P. Shunmugaraj, Prof. Shobha Madan, Prof. Swagato K. Ray	
31	122105020	Human Resource Management-I	Prof. Kalyan Chakravarti	
32	122105021	Leadership	Prof. Kalyan Chakravarti	
33	122105022	Management Information System	Prof. Biswajit Mahanty	
34	122105023	Physics I - Oscillations & Waves	Prof. S. Bharadwaj	IIT Kharagpur
35	122105024	Strategic Management	Prof. Kalyan Chakravarti	
36	122106025	Basic Electronics and Lab	Prof. T.S. Natarajan	
37	122106027	Classical Physics	Prof. V. Balakrishnan	IIT Madras
38	122106028	Engineering Chemistry I	Prof. K. Mangala Sunder	IIT Madras
39	122106033	Numerical Analysis and Computer Programming	Prof. P.B. Sunil Kumar	
40	122106034	Quantum Physics	Prof. V. Balakrishnan	IIT Madras
			Prof. G.D. Verma, Prof. M. K. Srivastava , Prof. B. K. Patra, Prof. Rajdeep Chatterjee	IIT Roorkee
41	122107035	Engineering Physics I	Dr. Tanuja Srivastava, Prof. H.G. Sharma, Prof. Sunita Gakkhar	
42	122107036	Mathematics II	Dr. Tanuja Srivastava, Prof. P.N. Agrawal	
43	122107037	Mathematics III		
44	122108038	Concept of Management and Evolution of Management thought	Prof. K.B. Akhilesh	

## Biotechnology

45	102101003	Biomathematics	Dr. Ranjith Padinhateeri	IIT Bombay
46	102101007	Proteomics: Principles and Techniques	Prof. Sanjeeva Srivastava	IIT Bombay
47	102102033	Enzyme Science and Engineering	Prof. Subhash Chand	
48	102104042	Animal Physiology	Prof. Mainak Das	IIT Kanpur
49	102106022	Downstream Processing	Prof. Mukesh Doble	IIT Madras
50	102106026	Thermodynamics	Prof. G.K. Suraiskumar	IIT Madras
51	102107028	Analytical Technologies in Biotechnology	Dr. Ashwani K. Sharma	IIT Roorkee
52	102104043	Bio electricity	Prof. Mainak Das	IIT Kanpur

## Chemical Engineering

53	103101001	Advanced Chemical Reaction Engineerin	Prof. H.S. Shankar	IIT Bombay
54	103101003	Advanced Process Control	Prof. Sachin C. Patwardhan	IIT Bombay
55	103101008	Chemical Reaction Engineering II	Prof. A.K. Suresh, Prof. Sanjay M. Mahajani, Prof. Ganesh A. Viswanathan	IIT Bombay
56	103101111	Advanced Numerical Analysis	Prof. Sachin C. Patwardhan	IIT Bombay
57	103102012	Heterogeneous Catalysis and Catalytic Processes	Dr. K.K. Pant	IIT Delhi
58	103103034	Mass Transfer Operations I	Dr. B. Mandal	IIT Guwahati
59	103103039	Process Design Decisions and Project Economics	Dr. Vijay S. Moholkar	IIT Guwahati
60	103104044	Fluid Mechanics	Dr. V. Shankar	IIT Kanpur
61	103104046	Mass Transfer II	Prof. Nishith Verma	IIT Kanpur
62	103104050	Plantwide Control of Chemical Processes	Dr. Nitin Kaistha	IIT Kanpur
63	103105054	Biochemical Engineering	Dr. Rintu Banerjee, Dr. Saikat Chakraborty	IIT Kharagpur
64	103105057	Microscale Transport Processes	Prof. S. Dasgupta, Dr. Somnath Ganguly	IIT Kharagpur
65	103105059	Multiphase Flow	Prof. Gargi Das, Prof. P.K. Das	IIT Kharagpur
66	103105061	Novel Separation Processes	Prof. S. De	IIT Kharagpur
67	103105064	Process Control and Instrumentation	Dr. D. Sarkar, Dr. A.K. Jana	IIT Kharagpur
68	103105066	Instability and Patterning of Thin Polymer Films	Dr. R. Mukherjee	IIT Kharagpur
69	103105106	Advanced Mathematical Techniques in Chemical Engineering	Prof. S. De	IIT Kharagpur
70	103106070	Chemical Engineering Thermodynamics	Prof. M.S. Ananth	IIT Madras
71	103106073	Computational Fluid Dynamics	Prof. Sreenivas Jayanti	IIT Madras
72	103106074	Computational Techniques	Dr. Niket S. Kaisare	IIT Madras
73	103106103	Particle Characterization (PG)	Dr. R. Nagarajan	IIT Madras
74	103106112	Statistics for Experimentalists	Dr. A. Kannan	IIT Madras
75	103106113	Multiphase flows: Analytical solutions and Stability Analysis NOC: Introduction to Time-Frequency Analysis and Wavelet	Prof. S. Pushpavanam	IIT Madras
76	103106114	Transforms	Dr. Arun K. Tangirala	IIT Madras
77	103107081	Chemical Technology - I	Dr. I.D. Mall	IIT Roorkee
78	103107093	Process Integration	Dr. B. Mohanty	IIT Roorkee
79	103108097	Chemical Reaction Engineering	Prof. Jayant M Modak	IISc Bangalore
80	103108098	Fundamentals of Transport Processes	Prof. V. Kumaran	IISc Bangalore

81	103108099	Fundamentals of Transport Processes - I	Prof. V. Kumaran	IISc Bangalore
82	103108100	Modern Instrumental Methods of Analysis	Dr. J.R. Mudakavi	IISc Bangalore

## Chemistry and Biochemistry

83	102105034	BioChemistry I	Prof. S. Dasgupta	
84	104104011	Chemistry of Material	Prof. S. Sundar Manoharan	IIT Kanpur
85	104104026	Mathematics for Chemistry	Dr. Madhav Ranganathan , Dr. P.P. Thankachan	IIT Kanpur
86	104104066	Advance Analytical Course	Dr. Padma S Vankar	IIT Kanpur
87	104105031	Bio-inorganic chemistry	Prof. D. Ray	IIT Kharagpur
88	104105033	Co-ordination chemistry (chemistry of transition elements)	Prof. D. Ray	IIT Kharagpur
89	104105034	Heterocyclic Chemistry	Prof. D.R. Mal	IIT Kharagpur
90	104105038	Organic photochemistry and pericyclic reactions	Dr. N.D. Pradeep Singh	IIT Kharagpur
91	104105039	Polymer Chemistry	Dr. D. Dhara	IIT Kharagpur
92	104105041	Rate processes	Dr. M. Halder	IIT Kharagpur
		Principles and Applications of Electron Paramagnetic		
93	104106048	Resonance Spectroscopy	Prof. Ranjan Das	TIFR
94	104106072	NOC:Chemistry - I	Prof. K. Mangala Sunder	IIT Madras
95	104108055	Essentials in Immunolgy	Dr. R. Manjunath,Dr. Dipankar Nandi,Prof. Anjali Karande	IISc Bangalore
96	104108056	Eukaryotic Gene Expression - basics and benefits	Prof. P.N. Rangarajan	IISc Bangalore
97	104108057	Introductory Quantum Chemistry	Prof. K.L. Sebastian	IISc Bangalore
98	104108062	Introduction to Organometallic Chemistry	Prof. A.G. Samuelson	IISc Bangalore

## Civil Engineering

99	105101005	Soil Dynamics	Dr. Deepankar Choudhury	IIT Bombay
100	105101006	Structural Dynamics	Dr. P. Banerji	IIT Bombay
101	105101010	Watershed Management	Dr. T.I. Eldho	IIT Bombay
102	105101082	Fluid Mechanics	Dr. T.I. Eldho	
103	105101084	Soil Mechanics	Dr. B.V.S. Viswanadham	
104	105101086	Structural Analysis II	Dr. P. Banerji	
105	105101134	Geotechnical Earthquake Engineering	Dr. Deepankar Choudhury	IIT Bombay
106	105101143	Geosynthetics Engineering: In Theory and Practice	Prof. J. N. Mandal	IIT Bombay
107	105102012	Concrete Technology	Dr. B. Bhattacharjee	IIT Delhi

108	105102016	Seismic Analysis of Structures	Dr. Ashok Gupta & Dr. T.K. Datta	IIT Delhi
109	105102088	Civil Engineering - Building materials and Construction	Dr. B. Bhattacharjee	IIT Delhi
110	105103021	Advanced Hydraulics	Dr. Suresh A Kartha	IIT Guwahati
111	105103094	Design of Steel Structures	Prof. Damodar Maity	
112	105103096	Hydraulics	Prof. Arup Kumar Sharma	
113	105104029	Advanced Hydrology	Dr. Ashu Jain	IIT Kanpur
114	105104030	Concrete Engineering and Technology	Dr. Sudhir Misra	IIT Kanpur
115	105104099	Environmental Air Pollution	Prof. Mukesh Sharma	
116	105104101	Surveying	Dr. Bharat Lohani	
117	105104103	Water Resources Engineering	Prof. Rajesh Srivastava,Dr. Pranab K Mohapatra	
118	105104131	Geotechnical Measuments & Explorations	Dr. Nihar Ranjan Patra	IIT Kanpur
119	105104135	Application of Soil Mechanics	Dr. Nihar Ranjan Patra	IIT Kanpur
120	105105039	Advanced Foundation Engineering	Dr. Kousik Deb	IIT Kharagpur
121	105105042	Ground Water Hydrology	Dr. Anirban Dhar,Dr. V.R. Desai	IIT Kharagpur
122	105105043	Numerical Methods in Civil Engineering	Dr. A. Deb	IIT Kharagpur
123	105105045	Probability Methods in Civil Engineering	Dr. Rajib Maity	IIT Kharagpur
124	105105105	Design of Reinforced Concrete Structures	Prof. N. Dhang	
125	105105106	Engineering Geology	Dr. Debasis Roy	
126	105105107	Introduction to Transportation Engineering	Dr. Bhargab Maitra,Dr. K.S. Reddy	
127	105105108	Strength of Materials	Prof. S.K. Bhattacharyya	
128	105106050	Advanced Structural Analysis	Prof. Devdas Menon	IIT Madras
129	105106051	Finite Element Analysis	Dr. B.N. Rao	IIT Madras
130	105106052	Geosynthetics and Reinforced Soil Structures	Dr. K. Rajagopal	IIT Madras
131	105106053	Modern Construction Materials	Dr. Ravindra Gettu	IIT Madras
132	105106058	Urban transportation planning	Dr. V. Thamizh Arasan	IIT Madras
133	105106116	Mechanics of solids	Prof. M.S. Sivakumar	
134	105106118	Pre-stressed Concrete Structures	Dr. Amlan Kumar Sengupta,Prof. Devdas Menon	
135	105106119	Water and Waste Water Engineering	Prof. Ligy Philip,Prof. C. Venkobachar,Prof. B.S. Murty	
136	105106145	NOC:Sustainable River Basin Management	Dr. Franziska Steinbruch	IGCS
137	105107120	Foundation Engineering	Prof. Mahendra Singh,Prof. N.K. Samadhiya,Prof. Priti Maheswari	
138	105107121	Modern Surveying Techniques	Prof. S.K. Ghosh	
139	105107123	Transportation Engineering II	Prof. Rajat Rastogi	

140	105108075	Ground Improvement Techniques	Dr. G.L. Sivakumar Babu	IISc Bangalore
141	105108079	Stochastic Hydrology	Prof. P.P. Mujumdar	IISc Bangalore
142	105108080	Stochastic Structural Dynamics	Prof. C.S. Manohar	IISc Bangalore
		Water Resources Systems : Modeling Techniques and		
143	105108130	Analysis	Prof. P.P. Mujumdar	IISc Bangalore

## Computer Science and Engineering

144	106101060	Design and Analysis of Algorithms	Prof. Abhiram G Ranade, Prof. Ajit A Diwan, Prof. Sundar Viswanathan	
145	106101061	Software Engineering	Prof. Rushikesh K Joshi, Prof. Umesh Bellur, Prof. N.L. Sarda	
146	106102011	Computational Geometry	Prof. Sandeep Sen	IIT Delhi
147	106102062	Computer Architecture	Prof. Anshul Kumar	
148	106102064	Data Structures And Algorithms	Prof. Naveen Garg	
149	106102065	Introduction to Computer Graphics	Prof. Prem K Kalra	
150	106102067	Principles of Programming Languages	Prof. S. Arun Kumar	
151	106103116	Design Verification and Test of Digital VLSI Circuits	Prof. Jatindra Kumar Deka, Dr. Santosh Biswas	IIT Guwahati
152	106104019	Computer Algorithms – 2	Prof. Shashank K. Mehta	IIT Kanpur
153	106104074	Introduction to Problem Solving and Programming	Prof. D. Gupta	
154	106104119	Biometrics	Prof. Phalguni Gupta	IIT Kanpur
155	106104120	Parallel Algorithm	Prof. Phalguni Gupta	IIT Kanpur
156	106104122	Computer Architecture	Dr. Mainak Chaudhuri	IIT Kanpur
157	106105031	Cryptography and Network Security	Dr. Debdeep Mukhopadhyay	IIT Kharagpur
158	106105034	Low Power VLSI Circuits & Systems	Prof. Ajit Pal	IIT Kharagpur
159	106105036	Real Time Systems	Prof. Rajib Mall	IIT Kharagpur
160	106105077	Artificial Intelligence	Prof. Anupam Basu, Prof. S. Sarkar	
161	106105079	Artificial Intelligence(Prof.P.Dasgupta)	Prof. P. Dasgupta	
162	106105081	Computer Networks	Prof. Sujoy Ghosh	
163	106105082	Data Communication	Prof. Ajit Pal	
164	106105083	Electronic Design Automation	Prof. Indranil Sengupta	
165	106105084	Internet Technology	Prof. Indranil Sengupta	

166	106105085	Programming and Data Structure	Dr. P.P.Chakraborty	
167	106106048	Performance Evaluation of Computer Systems	Prof. Krishna Moorthy Sivalingam	IIT Madras
168	106106049	Theory of Automata, Formal Languages and Computation	Prof. Kamala Krithivasan	IIT Madras
169	106106090	Computer Graphics	Prof. Sukhendu Das	
170	106106092	Computer Organization	Prof. S. Raman	
171	106106093	Database Design	Prof. D. Janaki Ram,Dr. S. Srinath	
172	106106094	Discrete Mathematical Structures	Prof. Kamala Krithivasan	
173	106106127	NOC:Programming, Data Structures and Algorithms	Prof. Hema A Murthy, Prof. Shankar Balachandran	IIT Madras
174	106108051	Combinators	Dr. L. Sunil Chandran	IISc Bangalore
175	106108052	Compiler Design	Prof. Y.N. Srikanth	IISc Bangalore
176	106108054	Graph Theory	Dr. L. Sunil Chandran	IISc Bangalore
177	106108055	High Performance Computing	Prof. Mathew Jacob	IISc Bangalore
178	106108056	Numerical Optimization	Dr. Shirish K. Shevade	IISc Bangalore
179	106108102	System Analysis and Design	Prof. V. Rajaraman	
180	106101007	Natural Language Processing	Prof. Pushpak Bhattacharyya	IIT Bombay
181	106102013	Logic for CS	Prof. S. Arun Kumar	IIT Delhi
182	106102114	Parallel Computing	Dr. Subodh Kumar	IIT Delhi
183	106104028	Theory of Computation	Prof. Somenath Biswas	IIT Kanpur
184	106104123	Compiler Design	Prof. Sanjeev K Aggarwal	IIT Kanpur
185	106104128	NOC:Introduction to programming in C	Satyadev Nandakumar	IIT Kanpur
186	106104135	NOC:Fundamentals of Database Systems	Dr. Arnab Bhattacharya	IIT Kanpur
187	106105033	High Performance Computer Architecture	Prof. Ajit Pal	IIT Kharagpur
188	106106046	Pattern Recognition	Prof. Sukhendu Das, Prof. C.A. Murthy	IIT Madras,Indian Statistical Institute
189	106106126	Artificial Intelligence	Prof. Deepak Khemani	IIT Madras
190	106106129	NOC:Introduction to Information Security I	Prof. V. Kamakoti	IIT Madras
191	106106130	NOC:Programming and Data structures (PDS)	Dr. N S. Narayanaswamy	IIT Madras
192	106106131	NOC:Design and Analysis of Algorithms	Prof. Madhavan Mukund	IIT Madras

193	106106133	NOC:Programming, Data Structures and Algorithms(Aricent)	Dr. N S. Narayanaswamy Prof. Shankar Balachandran Prof. Hema A Murthy	IIT Madras
194	106106134	NOC:Computer Architecture(Course sponsored by Aricent)	Prof.Madhu Mutyam	IIT Madras
195	106106136	NOC:Model Checking	Prof. B. Srivathsan	CMI
196	106108058	Storage Systems	Dr. K. Gopinath	IISc Bangalore
197	106108113	Principles of Compiler Design	Prof. Y.N. Srikanth	IISc Bangalore
198	106104118	Riemann Hypothesis and its Applications	Prof. Manindra Agrawal	IIT Kanpur

## Electrical Engineering

199	108101002	Nonlinear Dynamical Systems	Prof. Harish K. Pillai, Prof. Madhu N.Belur	IIT Bombay
200	108101004	Power System Dynamics and Control	Dr. A.M. Kulkarni	IIT Bombay
201	108101037	Control Engineering	Prof. S.D. Agashe	
202	108101038	Power Electronics	Prof. B.G. Fernandes,Prof. Kishore Chatterjee	
203	108102042	Circuit Theory	Prof. S.C. Dutta Roy	
204	108102043	Control Engineering	Prof. M. Gopal	
205	108102045	Embedded Systems	Prof. Santanu Chaudhary	
206	108102047	Power System Generation, Transmission and Distribution (Encapsulated from earlier Video)	Prof. D.P. Kothari	
207	108102080	Power System Dynamics	Dr. M.L. Kothari	
208	108103007	Advanced Control Systems	Prof. S. Majhi	IIT Guwahati
209	108104011	Advanced Electric Drives	Dr. S.P. Das	IIT Kanpur
210	108104013	High Voltage DC Transmission	Dr. S.N. Singh	IIT Kanpur
211	108104049	Intelligent Systems and Control	Prof. Laxmidhar Behera	
212	108104052	Power Systems Operation and Control	Dr. S.N. Singh	IIT Kanpur
213	108105017	Electrical Machines -I	Dr. D.Kastha	IIT Kharagpur
214	108105019	Optimal Control	Prof.G.D.Ray	IIT Kharagpur
215	108105054	Chaos, Fractals & Dynamic Systems	Prof. S. Banerjee	
216	108105055	Digital Signal Processing	Prof. T.K. Basu	
217	108105056	Dynamics of Physical Systems	Prof. S. Banerjee	
218	108105058	Energy Resources & Technology	Prof. S. Banerjee	



219	108105059	Estimation of Signals and Systems	Prof. S. Mukhopadhyay	
220	108105060	Illumination Engineering	Prof. N.K. Kishore	
221	108105062	Industrial Automation and Control	Prof. S. Mukhopadhyay, Prof. S. Sen	
222	108105064	Industrial Instrumentation	Prof. Alok Barua	
223	108105065	Networks Signals and Systems	Prof. T.K. Basu	
224	108105067	Power System Analysis	Prof. A.K. Sinha	
225	108106023	Modelling and Analysis of Electric Machines	Dr. Krishna Vasudevan	IIT Madras
226	108106068	Analog ICs	Prof. K. Radhakrishna Rao	
227	108106069	Digital Integrated Circuits	Prof. Amitava Dasgupta	
228	108106073	Electromagnetic Fields	Prof. Harishankar Ramachandran	
229	108106075	Networks and Systems	Prof. V.G.K. Murti	
230	108106083	Probability Foundation for Electrical Engineers	Dr. Krishna Jagannathan	IIT Madras
231	108106084	NOC: Analog Circuits	Dr. Nagendra Krishnapura	IIT Madras
232	108108031	An Introduction to Electronics Systems Packaging	Prof. G.V. Mahesh	IISc Bangalore
233	108108034	Power Electronics and Distributed Generation	Dr. Vinod John	IISc Bangalore
234	108108035	Pulse width Modulation for Power Electronic Converters	Dr. G. Narayanan	IISc Bangalore
235	108108036	Switched Mode Power Conversion	Prof. L. Umanand, Prof. V. Ramanarayanan	IISc Bangalore
236	108108076	Basic Electrical Technology	Prof. L. Umanand	
237	108108077	Industrial Drives - Power Electronics	Prof. K. Gopakumar	

## Electronics & Communication Engineering

238	117101001	Adv. Digital Signal Processing - Multirate and wavelets	Prof. V.M. Gadre	IIT Bombay
239	117101002	Advanced Optical Communication	Prof. R.K. Shevgaonkar	IIT Bombay
240	117101050	Broadband Networks: Concepts and Technology	Prof. Abhay Karandikar	
241	117101051	Digital Communication	Prof. Bikash Kumar Dey	
242	117101053	Information Theory and Coding	Prof. S.N. Merchant	
243	117101056	Transmission Lines and EM Waves	Prof. R.K. Shevgaonkar	IIT Bombay
244	117102012	RF Integrated Circuits	Dr. Shouribrata Chatterjee	IIT Delhi
245	117102059	Communication Engineering	Prof. Surendra Prasad	
246	117102060	Digital Signal Processing	Prof. S.C. Dutta Roy	
247	117102062	Wireless Communication	Prof. Ranjan Bose	
248	117103063	Basic Electronics	Prof. Chitralkha Mahanta	

249	117104074	Signals and Systems	Prof. K.S. Venkatesh	
250	117104099	Advanced 3G and 4G Wireless Mobile Communications	Prof. Aditya K. Jagannatham	IIT Kanpur
251	117104104	Digital Switching NOC:Principles of Modern CDMA/ MIMO/ OFDM	Prof. Yatindra N Singh	IIT Kanpur
252	117104115	Wireless Communications(Course sponsored by Aricent)	Prof. Aditya K. Jagannatham	IIT Kanpur
253	117105075	Adaptive Signal Processing	Prof. Mrityunjoy Chakraborty	
254	117105078	Digital Computer Organization	Prof. P.K. Biswas	IIT Kharagpur
255	117105079	Digital Image Processing	Prof. P.K. Biswas	IIT Kharagpur
256	117105080	Digital Systems Design	Prof. D. Roychoudhury	
257	117105081	Digital Voice & Picture Communication	Prof. Somnath Sengupta	
258	117105082	MEMS and Microsystems	Prof. Santiram Kal	
259	117105084	Neural Networks and Applications	Prof. Somnath Sengupta	
260	117105085	Probability and Random Processes	Prof. Mrityunjoy Chakraborty	
261	117106030	Analog IC Design	Dr. Nagendra Krishnapura	IIT Madras
262	117106031	Coding Theory	Dr. Andrew Thangaraj	IIT Madras
263	117106033	Semiconductor Device Modeling	Prof. S. Karmalkar	IIT Madras
264	117106034	VLSI Data Conversion Circuits	Dr. Shanthi Pavan	IIT Madras
265	117106086	Digital Circuits and Systems	Prof. S. Srinivasan	
266	117106087	Electronics for Analog Signal Processing - I	Prof. K. Radhakrishna Rao	
267	117106088	Electronics for Analog Signal Processing - II	Prof. K. Radhakrishna Rao	
268	117106089	High Speed Devices and Circuits	Prof. K.N. Bhat	
269	117106091	Solid State Devices	Prof. S. Karmalkar	IIT Madras
270	117106092	VLSI Circuits	Prof. S. Srinivasan	
271	117106093	VLSI Technology	Dr. Nandita Dasgupta	
272	117106101	Basic Electrical Circuits	Dr. Nagendra Krishnapura	IIT Madras
273	117106108	NOC:Basic Electrical Circuits	Dr. Nagendra Krishnapura	IIT Madras
274	117106109	Advanced Logic Synthesis	Dhiraj Taneja	Hyderabad Systems
275	117106111	ARM Based Development	S.Chandramouleeswaran	Professional
276	117106112	Embedded Software Testing	MADHUKESHWARA H M	HCL Calypto Design
277	117106113	Linux Programming & Scripting	Anand Iyer	Systems
278	117106114	NOC:Digital Circuits and Systems	Prof. Shankar Balachandran	IIT Madras

279	117106116	NOC:Networks and Systems(Course sponsored by Aricent)	Prof. V.G.K. Murti, C. S. Ramalingam, Dr. Andrew Thangaraj	IIT Madras
280	117108038	Circuits for Analog System Design	Prof. M.K. Gunasekaran	IISc Bangalore
281	117108040	Digital System design with PLDs and FPGAs	Prof. Kuruvilla Varghese	IISc Bangalore
282	117108044	Error Correcting Codes	Prof. P. Vijay Kumar	IISc Bangalore
283	117108048	Pattern Recognition	Prof. P.S. Sastry	IISc Bangalore
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426	112106186	NOC:Foundation of Computational Fluid Dynamics	Dr.S.Vengadesan	IIT Madras
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432	112107143	Industrial Engineering	Dr. D.K. Dwivedi, Dr. Inderdeep Singh, Prof. Pradeep Kumar, Prof. P.K. Jain	
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452	113106062	Electronic materials, devices, and fabrication	Parasuraman S	IIT Madras

## Mining Engineering

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