

Electives				
1	Chaos, Fractals & Dynamic Systems	Video	Prof. S. Banerjee	IIT Kharagpur
2	Embedded Systems	Web	Prof. Amit Patra, Prof. Rajib Mall, Prof. A. Routray	IIT Kharagpur
3	Energy Resources & Technology	Video	Prof. S. Banerjee	IIT Kharagpur
4	Illumination Engineering	Web	Prof. N. K. Kishore	IIT Kharagpur
5	Industrial Automation and Control	Web	Prof. S. Mukhopadhyay , Prof. S. Sen	IIT Kharagpur
6	Industrial Drives	Web	Prof. K. Rajagopal	IIT Delhi
7	Industrial Drives - Power Electronics	Video	Prof. K. Gopakumar	IISc Bangalore
8	Industrial Instrumentation	Web	Prof. V. Jayashankar	IIT Madras
9	Intelligent Systems and Control	Video	Prof. Laxmidhar Behra	IIT Kanpur
10	Non-Conventional Energy Systems	Web	Prof. L. Umanand	IISc Bangalore
11	Numerical Analysis	Web	Prof. Vittal Rao	IISc Bangalore
Semester 1				
12	Basic Electrical Technology	Web	Prof. G. D. Roy, Prof. N. K. De, Prof. T. K. Bhattacharya	IIT Kharagpur
13	BioChemistry I	Video	Prof. S. Dasgupta	IIT Kharagpur
14	Engineering Chemistry I	Web	Prof. B. L. Tembe, Prof. K. Mangala Sunder	IIT Bombay
15	Engineering Mechanics	Web	Prof. Manoj K. Harbola	IIT Kanpur
16	Engineering Physics I (Experiment)	Web	Prof. Alike Khare , Prof. Pratima Agarwal, Prof. S. Ravi	IIT Guwahati
17	Engineering Physics I (Theory)	Web	Prof. Alike Khare , Prof. Pratima Agarwal, Prof. S. Ravi	IIT Guwahati
18	Mathematics I	Web	Prof. Inder K. Rana	IIT Bombay
19	Physics I - Oscillations & Waves	Video	Prof. S. Bharadwaj	IIT Kharagpur
Semester 2				
20	Basic Electronics	Web	Prof. Y. N. Singh, Prof. Joesph John	IIT Kanpur
21	Basic Electronics and Lab	Web	Prof. T. S. Natarajan	IIT Madras
22	Basic Thermodynamics	Web	Prof. K. Srinivasan, Prof. Pradip Dutta	IISc Bangalore
23	Engineering Chemistry III	Web	Prof. S. Sankararaman, Prof. K.M. Muraleedharan, Prof. Santosh J. Gharpure, Prof. N.Narasimha Murthy	IIT Madras
24	Engineering Physics II	Web	Prof. D. K. Ghosh	IIT Bombay
25	Environment and Ecology	Web	Prof. Anuradha Sharma, Prof. V. B. Upadhyay	IIT Delhi
26	Environmental Chemistry and Analysis	Web	Prof. M. S. Subramanian	IIT Madras
27	Mathematics II	Web	Prof. P. Chandra, Prof. A. K. Lal, Prof. V. Raghavendra, Prof. G. Santhanam	IIT Kanpur
Semester 3				
28	Fluid Machinery	Web	Prof. Gautam Biswas, Prof. S. Sarkar, Prof. S. K. Som (IITKgp)	IIT Kanpur
29	Fluid Mechanics	Web	Prof. Subhashisa Dutta, Prof. N. Sahoo	IIT Guwahati
30	Materials Science	Web	Prof. Satish V. Kailas	IISc Bangalore
31	Mathematics III	Web	Prof. M. Guru Prem Prasad , Prof. Durga C. Dalal	IIT Guwahati

32	Numerical Analysis and Computer Programming	Video	Prof. P. B. Sunil Kumar	IIT Madras
33	Numerical Analysis in Computer Programming	Web	Prof. Rathish Kumar, Prof. V. Raghavendra, Prof. M. K. Kadalbajoo, Prof. P. B. Sunil Kumar	IIT Kanpur
34	Strength of Materials	Web	Prof. Ashok Gupta	IIT Delhi
Semester 4				
35	Circuit Theory	Video	Prof. S. C. Dutta Roy	IIT Delhi
36	Digital Circuits	Web	Prof. Anil Mahanta, Prof. Roy Paily Palanthinkal	IIT Guwahati
37	Digital Integrated Circuits	Video	Prof. Amitava Dasgupta	IIT Madras
38	Electrical Machines I	Web	Prof. Krishna Vasudevan, Prof. G. Sridhara Rao, Prof. P. Sasidhara Rao	IIT Madras
39	Electromagnetic Fields	Video	Prof. Harishankar Ramachandarn	IIT Madras
40	Power Systems Analysis	Web	Prof. Arindam Ghosh	IIT Kanpur
41	Solid State Devices	Video	Prof. S. Karmalkar	IIT Madras
Semester 5				
42	Analog Circuits	Web	Prof. Pramod Agarwal	IIT Roorkee
43	Analog ICs	Video	Prof. K. Radhakrishna Rao	IIT Madras
44	Concept of Management and Evolution of Management thought	Video	Prof. K. B. Akhilesh	IISc Bangalore
45	Control Engineering	Web	Prof. M. Gopal	IIT Delhi
46	Digital Systems Design	Video	Prof. D. Roychoudhury	IIT Kharagpur
47	Electrical Machines II	Web	Prof. Krishna Vasudevan, Prof. G. Sridhara Rao, Prof. P. Sasidhara Rao	IIT Madras
48	Management Science I	Web	Prof. M. Thenmozhi	IIT Madras
49	Management Science II	Web	Prof. R. Madhumathi	IIT Madras
50	Power Systems Operation and Control	Web	Prof. A. M. Kulkarni	IIT Bombay
Semester 6				
51	Microcontrollers and Applications	Web	Prof. S. P. Das	IIT Kanpur
52	Microprocessors and Microcontrollers	Web	Prof. Krishna Kumar	IISc Bangalore
53	Networks and Systems	Video	Prof. V. G. K. Murti	IIT Madras
54	Networks Signals and Systems	Video	Prof. T. K. Basu	IIT Kharagpur
55	Power Electronics	Web	Prof. D. Kastha, Prof. D. Prasad, Prof. N. K. De, Prof. S. Sengupta	IIT Kharagpur
56	Power System Generation, Transmission and Distribution (Encapsulated from earlier Video)	Video	Prof. D. P. Kothari	IIT Delhi
57	Power Systems Operation and Control	Web	Prof. A. M. Kulkarni	IIT Bombay
58	Signals and Systems	Web	Prof. V. M. Gadre	IIT Bombay
Semester 7				
59	Design of steel structures	Video	Prof. Damodar Maity	IIT Guwahati
60	Design of Steel Structures I	Web	Prof. A. R. Shantha Kumar, Prof. S. R. Satishkumar	IIT Madras

61	Power System Protection	Web	Prof. S. A. Soman	IIT Bombay
62	Water Resources Engineering	Web	Prof. Dhrubajyoti Sen	IIT Kharagpur
Semester 8				
63	Digital Signal Processing	Web	Prof. Govind Sharma	IIT Kanpur
64	High Voltage Engineering	Web	Prof. Ravindra Arora	IIT Kanpur