

GATE Related NPTEL Course List

Electrical & Electronics Engineering Dept				
S.No	Course Name	Type	Co-ordinators	Institute
1	Basic Electrical Technology	Video	Prof. L. Umanand	IISc Bangalore
2	Signals and Systems	Video	Prof. K.S. Venkatesh	IIT Kanpur
3	Electrical Machines -I	Video	Dr. D.Kastha	IIT Kharagpur
4	Power System Generation, Transmission and Distribution (Encapsulated from earlier Video)	Video	Prof. D.P. Kothari	IIT Delhi
5	Control Engineering	Video	Prof. M. Gopal	IIT Delhi
6	Electronics for Analog Signal Processing - I	Video	Prof. K. Radhakrishna Rao	IIT Madras
7	Power Electronics	Video	Prof. B.G. Fernandes	IIT Bombay
8	Industrial Drives - Power Electronics	Video	Prof. K. Gopakumar	IISc Bangalore
9	Basic Electronics	Video	Prof. Chitralkha Mahanta	IIT Guwahati
10	Advanced Engineering Mathematics	Video	Dr. P. Panigrahi, Prof. J. Kumar, Prof. P.D. Srivastava	IIT Kharagpur
11	Mathematics III Video		Prof. P.N. Agrawal, Dr. Tanuja Srivastava	IIT Roorkee
12	Numerical Methods and Computation	Video	Prof. S. R. K. Iyengar	IIT Delhi
13	Partial Differential Equations	Web	Dr. Rajen Kumar Sinha	IIT Guwahati
Electronics & Communication Engineering Dept				
1	Networks and Systems	Video	Prof. V.G.K. Murti	IIT Madras
2	Solid State Devices	Video	Prof. S. Karmalkar	IIT Madras
3	Basic Electronics	Video	Prof. Chitralkha Mahanta	IIT Guwahati
4	Digital Circuits and Systems	Video	Prof. S. Srinivasan	IIT Madras
5	Signals and Systems	Video	Prof. K.S. Venkatesh	IIT Kanpur
6	Control Engineering	Video	Prof. S.D. Agashe	IIT Bombay
7	Communication Engineering	Video	Prof. Surendra Prasad	IIT Delhi
8	Electromagnetic Fields	Video	Prof. Harishankar Ramachandran	IIT Madras
9	Circuit Theory	Video	Prof. S.C. Dutta Roy	IIT Delhi
10	Digital Signal Processing	Video	Prof. S.C. Dutta Roy	IIT Delhi
11	Digital Systems Design	Video	Prof. D. Roychoudhury	IIT Kharagpur
12	Transmission Lines and EM Waves	Video	Prof. R.K. Shevgaonkar	IIT Bombay

13	Advanced Engineering Mathematics	Video	Dr. P. Panigrahi, Prof. J. Kumar, Prof. P.D. Srivastava Prof. Somesh Kumar	IIT Kharagpur
14	Mathematics III Video	Video	Prof. P.N. Agrawal, Dr. Tanuja Srivastava	IIT Roorkee
15	Numerical Methods and Computation	Video	Prof. S. R. K. Iyengar	IIT Delhi
16	Partial Differential Equations	Web	Dr. Rajen Kumar Sinha	IIT Guwahati
Mechanical Engineering Dept				
1	Advanced Engineering Mathematics	Video	Dr. P. Panigrahi, Prof. J. Kumar, Prof. P.D. Srivastava Prof. Somesh Kumar	IIT Kharagpur
2	Numerical Methods and Computation	Video	Prof. S. R. K. Iyengar	IIT Delhi
3	Partial Differential Equations	Web	Dr. Rajen Kumar Sinha	IIT Guwahati
4	Engineering Mechanics	Video	Prof. U.S. Dixit, Dr. G. Saravana Kumar	IIT Guwahati
5	Kinematics of Machines	Video	Prof. Ashok K Mallik	IIT Kanpur
6	Dynamics of Machines	Video	Prof. Amitabha Ghosh	IIT Kanpur
7	Mechanical Vibrations	Video	Prof. S.K. Dwivedy Prof. Rajiv Tiwari	IIT Guwahati
8	Design of Machine Elements I	Video	Prof. G. Chakraborty, Prof. B. Maiti Prof. S.K. Roychowdhury	IIT Kharagpur
9	Advanced Strength of Materials	Video	Prof. S.K. Maiti	IIT Bombay
10	Strength of Materials	Video	Dr. S. P. Harsha	IIT Roorkee
11	Fluid Mechanics	Video	Prof. S.K. Som	IIT Kharagpur
12	Heat and Mass Transfer	Video	Prof. S.P. Sukhatme Prof. U.N. Gaitonde	IIT Bombay
13	Basic Thermodynamics	Video	Prof. S.K. Som	IIT Kharagpur
14	Refrigeration and Air Conditioning	Video	Prof. M. Ramgopal, Prof. R.C. Arora	IIT Kharagpur
15	Manufacturing Process-I	Video	Dr. Inderdeep Singh, Dr. D.K. Dwivedi, Dr. D. Benny	IIT Roorkee
16	Manufacturing Processes II	Video	Prof. A.K. Chattopadhyay, Prof. S. Paul, Prof. A.B.	IIT Kharagpur
17	Mechanical Measurements and Metrology	Video	Prof. S.P. Venkateshan, Prof. M.S. Shanmugam	IIT Madras
18	Project and Production Management	Video	Prof. Arun Kanda	IIT Delhi
19	Fundamentals of Operations Research	Video	Prof. G. Srinivasan	IIT Madras
20	Advanced Operations Research	Video	Prof. G. Srinivasan	IIT Madras
21	Computer Aided Design and Manufacturing	Video	Prof. Anoop Chawla, Prof. P.V. Madhusudan Rao	IIT Delhi

Civil Engineering Department				
1	Advanced Engineering Mathematics	Video	Dr. P. Panigrahi, Prof. J. Kumar, Prof. P.D. Srivastava, Prof. Somesh Kumar	IIT Kharagpur
2	Numerical Methods and Computation	Video	Prof. S. R. K. Iyengar	IIT Delhi
3	Partial Differential Equations	Web	Dr. Rajen Kumar Sinha	IIT Guwahati
4	Engineering Mechanics	Video	Prof. Manoj K Harbola	IIT Kanpur
5	Structural Analysis II	Video	Dr. P. Banerji	IIT Bombay
6	Concrete Technology	Video	Dr. B. Bhattacharjee	IIT Delhi
7	Design of Steel Structures	Video	Prof. Damodar Maity	IIT Guwahati
8	Soil Mechanics	Video	Dr. B.V.S. Viswanadham	IIT Bombay
9	Foundation Engineering	Video	Prof. Priti Maheswari Prof. N.K. Samadhiya Prof. Mahendra Singh	IIT Roorkee
10	Fluid Mechanics	Video	Dr. T.I. Eldho	IIT Bombay
11	Hydraulics	Video	Prof. Arup Kumar Sharma	IIT Guwahati
12	Advanced Hydrology	Video	Dr. Ashu Jain	IIT Kanpur
13	Water Resources Engineering	Video	Dr. Pranab K Mohapatra, Prof. Rajesh Srivastava	IIT Kanpur
14	Water and Waste Water Engineering	Video	Prof. B.S. Murty, Prof. C. Venkobachar, Prof. Ligy Philip	IIT Madras
15	Environmental Air Pollution	Video	Prof. Mukesh Sharma	IIT Kanpur
16	Introduction to Transportation Engineering	Video	Dr. K.S. Reddy, Dr. Bhargab Maitra	IIT Kharagpur
17	Surveying	Video	Dr. Bharat Lohani	IIT Kanpur
Computer Science Engineering Department				
1	Advanced Engineering Mathematics	Video	Dr. P. Panigrahi, Prof. J. Kumar, Prof. P.D. Srivastava, Prof. Somesh Kumar	IIT Kharagpur
2	Numerical Methods and Computation	Video	Prof. S. R. K. Iyengar	IIT Delhi
3	Mathematical Logic	Video	Prof. Arindama Singh	IIT Madras
4	Graph Theory	Video	Dr. L. Sunil Chandran	IISc Bangalore
5	Combinatorics	Video	Dr. L. Sunil Chandran	IISc Bangalore
6	Computer Architecture	Video	Prof. Anshul Kumar	IIT Delhi
7	Computer Organization	Video	Prof. S. Raman	IIT Madras
8	Programming and Data Structure	Video	Dr. P.P. Chakraborty	IIT Kharagpur
9	Data Structures And Algorithms	Video	Prof. Naveen Garg	IIT Delhi
10	Theory of Computation	Video	Prof. Somenath Biswas	IIT Kanpur
11	Compiler Design	Video	Prof. Y.N. Srikanth	IISc Bangalore
12	Operating Systems	Web	Prof. P.C.P. Bhatt	IISc Bangalore

13	Database Design	Video	Dr. S. Srinath, Prof. D. Janaki Ram	IIT Bangalore IIT Madras
14	Software Engineering	Video	Prof. N.L. Sarda, Prof. Umesh Bellur	
15	Computer Networks	Video	Prof. Rushikesh K Joshi	IIT Bombay
16	Internet Technology	Video	Prof. Sujoy Ghosh	IIT Kharagpur
Chemical Engineering Department				
1	Advanced Engineering Mathematics	Video	Dr. P. Panigrahi, Prof. J. Kumar, Prof. P.D. Srivastava, Prof. Somesh Kumar	IIT Kharagpur
2	Numerical Methods and Computation	Video	Prof. S. R. K. Iyengar	IIT Delhi
3	Ordinary Differential Equations	Web	Prof. V. Raghavendra	IIT Kanpur
4	Chemical Reaction Engineering	Video	Prof. Jayant M Modak	IISc Bangalore
5	Process Control and Instrumentation	Video	Dr. D. Sarkar, Dr. A.K. Jana	IIT Kharagpur
6	Process Design Decisions and Project Economics	Video	Dr. Vijay S. Moholkar	IIT Guwahati
7	Chemical Technology - I	Video	Dr. I.D.Mall	IIT Roorkee
8	Mass Transfer II	Video	Prof. Nishith Verma	IIT Kanpur
9	Heat Transfer	Video	Prof. A.K. Ghoshal	IIT Guwahati
10	Fluid Mechanics	Video	Dr. V. Shankar	IIT Kanpur
11	Chemical Engineering Thermodynamics	Web	Dr. Sandip Roy	IIT Bombay
12	Computational Fluid Dynamics	Video	Prof. Sreenivas Jayanti	IIT Madras



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