

NPTEL (National Programme on Technology Enhanced Learning)
List of Video Courses - Phase 1

S.No	Course_ID	Discipline_Name	Course_Name	Professor_Name
1	102102033	Biotechnology	Enzyme Science and Engineering	Prof. Subhash Chand
1	102105034	Chemistry and Biochemistry	BioChemistry I	Prof. S. Dasgupta
1	105101082	Civil Engineering	Fluid Mechanics	Dr. T.I. Eldho
2	105101084		Soil Mechanics	Dr. B.V.S. Viswanadham
3	105101086		Structural Analysis II	Dr. P. Banerji
4	105102088		Civil Engineering - Building materials and Construction	Dr. B. Bhattacharjee
5	105103094		Design of Steel Structures	Prof. Damodar Maity
6	105103096		Hydraulics	Prof. Arup Kumar Sharma
7	105104099		Environmental Air Pollution	Prof. Mukesh Sharma
8	105104101		Surveying	Dr. Bharat Lohani
9	105104103		Water Resources Engineering	Prof. Rajesh Srivastava,
10	105105105		Design of Reinforced Concrete Structures	Prof. N. Dhang
11	105105106		Engineering Geology	Dr. Debasis Roy
12	105105107		Introduction to Transportation Engineering	Dr. Bhargab Maitra
13	105105108		Strength of Materials	Prof. S.K. Bhattacharyya
14	105106116		Mechanics of solids	Prof. M.S. Sivakumar
15	105106118		Pre-stressed Concrete Structures	Dr. Amlan Kumar Sengupta,
16	105106119		Water and Waste Water Engineering	Prof. Ligy Philip,
17	105107120		Foundation Engineering	Prof. Mahendra Singh
18	105107121		Modern Surveying Techniques	Prof. S.K. Ghosh
19	105107123		Transportation Engineering II	Prof. Rajat Rastogi
1	106101060	Computer Science and Engineering	Design and Analysis of Algorithms	Prof. Abhiram G Ranade
2	106101061		Software Engineering	Prof. Rushikesh K Joshi
3	106102062		Computer Architecture	Prof. Anshul Kumar

4	106102064	Data Structures And Algorithms	Prof. Naveen Garg
5	106102065	Introduction to Computer Graphics	Prof. Prem K Kalra
6	106102067	Principles of Programming Languages	Prof. S. Arun Kumar
7	106104074	Introduction to Problem Solving and Programming	Prof. D. Gupta
8	106105077	Artificial Intelligence	Prof. Anupam Basu
9	106105079	Artificial Intelligence(Prof.P.Dasgupta)	Prof. P. Dasgupta
10	106105081	Computer Networks	Prof. Sujoy Ghosh
11	106105082	Data Communication	Prof. Ajit Pal
12	106105083	Electronic Design Automation	Prof. Indranil Sengupta
13	106105084	Internet Technology	Prof. Indranil Sengupta
14	106105085	Programming and Data Structure	Dr. P.P.Chakraborty
15	106106090	Computer Graphics	Prof. Sukhendu Das
16	106106092	Computer Organization	Prof. S. Raman
17	106106093	Database Design	Prof. D. Janaki Ram
18	106106094	Discrete Mathematical Structures	Prof. Kamala Krithivasan
19	106108102	System Analysis and Design	Prof. V. Rajaraman
1	108101037	Control Engineering	Prof. S.D. Agashe
2	108101038	Power Electronics	Prof. B.G. Fernandes
3	108102042	Circuit Theory	Prof. S.C. Dutta Roy
4	108102043	Control Engineering	Prof. M. Gopal
5	108102045	Embedded Systems	Prof. Santanu Chaudhary
6	108102047	Power System Generation, Transmission and Distribution	Prof. D.P. Kothari
7	108102080	Power System Dynamics	Dr. M.L. Kothari
8	108104049	Intelligent Systems and Control	Prof. Laxmidhar Behera
9	108104052	Power Systems Operation and Control	Dr. S.N. Singh
10	108105054	Chaos, Fractals & Dynamic Systems	Prof. S. Banerjee
11	108105055	Digital Signal Processing	Prof. T.K. Basu
12	108105056	Dynamics of Physical Systems	Prof. S. Banerjee

Electrical Engineering

13	108105058	Electrical Engineering	Energy Resources & Technology	Prof. S. Banerjee	
14	108105059		Estimation of Signals and Systems	Prof. S. Mukhopadhyay	
15	108105060		Illumination Engineering	Prof. N.K. Kishore	
16	108105062		Industrial Automation and Control	Prof. S. Mukhopadhyay	
17	108105064		Industrial Instrumentation	Prof. Alok Barua	
18	108105065		Networks Signals and Systems	Prof. T.K. Basu	
19	108105067		Power System Analysis	Prof. A.K. Sinha	
20	108106068		Analog ICs	Prof. K. Radhakrishna Rao	
21	108106069		Digital Integrated Circuits	Prof. Amitava Dasgupta	
22	108106073		Electromagnetic Fields	Prof. Harishankar Ramachandran	
23	108106075		Networks and Systems	Prof. V.G.K. Murti	
24	108108076		Basic Electrical Technology	Prof. L. Umanand	
25	108108077		Industrial Drives - Power Electronics	Prof. K. Gopakumar	
1	112101095		Mechanical Engineering	Advanced Strength of Materials	Prof. S.K. Maiti
2	112101097			Heat and Mass Transfer	Prof. U.N. Gaitonde
3	112101099			Robotics	Prof. C. Amarnath, Prof. B. Seth
4	112102101			Computer Aided Design and Manufacturing	Prof. Anoop Chawla, Prof.
5	112102106			Project and Production Management	Prof. Arun Kanda
6	112103108			Engineering Mechanics	Dr. G. Saravana Kumar
7	112103112			Mechanical Vibrations	Prof. Rajiv Tiwari, Prof. S.K. Dwivedy
8	112104114			Dynamics of Machines	Prof. Amitabha Ghosh
9	112104115			Finite Element Method	Prof. C.S. Upadhyay
10	112104121			Kinematics of Machines	Prof. Ashok K Mallik
11	112105123			Basic Thermodynamics	Prof. S.K. Som
12	112105124			Design of Machine Elements I	Prof. S.K. Roychowdhury
13	112105126	Manufacturing Processes II		Prof. A.K. Chattopadhyay,	
14	112105128	Refrigeration and Air Conditioning		Prof. R.C. Arora, Prof. M. Ramgopal	
15	112106130	Advanced Finite Elements Analysis		Dr. R. Krishnakumar	
16	112106131	Advanced Operations Research		Prof. G. Srinivasan	

17	112106134		Fundamentals of Operations Research	Prof. G. Srinivasan
18	112106135		Introduction to Finite Element Method	Dr. R. Krishnakumar
19	112106138		Mechanical Measurements and Metrology	Prof. S.P. Venkateshan,
20	112106140		Principles of Mechanical Measurements	Prof. R. Raman
21	112107143		Industrial Engineering	Dr. D.K. Dwivedi
22	112107145		Manufacturing Processes I	Dr. D.K. Dwivedi
23	112107147		Strength of Materials	Dr. S.P. Harsha
1	113105057	Metallurgy and Material Science	Advanced Materials and Processes	Prof. B.S. Murty
1	114105029	Ocean Engineering	Applied Thermodynamics for Marine Systems	Prof. P.K. Das
2	114105030		Performance of Marine Vehicles at Sea	Prof. S.C. Misra,
3	114105031		Strength and Vibration of Marine Structures	Prof. A.H. Sheikh, Prof. S.K. Satsangi
1	117101050	Electronics & Communication Engg.	Broadband Networks: Concepts and Technology	Prof. Abhay Karandikar
2	117101051		Digital Communication	Prof. Bikash Kumar Dey
3	117101053		Information Theory and Coding	Prof. S.N. Merchant
4	117101056		Transmission Lines and EM Waves	Prof. R.K. Shevgaonkar
5	117102059		Communication Engineering	Prof. Surendra Prasad
6	117102060		Digital Signal Processing	Prof. S.C. Dutta Roy
7	117102062		Wireless Communication	Prof. Ranjan Bose
8	117103063		Basic Electronics	Prof. Chitrlekha Mahanta
9	117104074		Signals and Systems	Prof. K.S. Venkatesh
10	117105075		Adaptive Signal Processing	Prof. Mrityunjoy Chakraborty
11	117105078		Digital Computer Organization	Prof. P.K. Biswas
12	117105079		Digital Image Processing	Prof. P.K. Biswas
13	117105080		Digital Systems Design	Prof. D. Roychoudhury
14	117105081		Digital Voice & Picture Communication	Prof. Somnath Sengupta

15	117105082		MEMS and Microsystems	Prof. Santiram Kal
16	117105084		Neural Networks and Applications	Prof. Somnath Sengupta
17	117105085		Probability and Random Processes	Prof. Mrityunjoy Chakraborty
18	117106086		Digital Circuits and Systems	Prof. S. Srinivasan
19	117106087		Electronics for Analog Signal Processing - I	Prof. K. Radhakrishna Rao
20	117106088		Electronics for Analog Signal Processing - II	Prof. K. Radhakrishna Rao
21	117106089		High Speed Devices and Circuits	Prof. K.N. Bhat
22	117106091		Solid State Devices	Prof. S. Karmalkar
23	117106092		VLSI Circuits	Prof. S. Srinivasan
24	117106093		VLSI Technology	Dr. Nandita Dasgupta
1	122102004	Basic courses (Sem 1 and 2)	Applied mechanics	Prof. R.K. Mittal,
2	122102007		Management Science I	Prof. Anuradha Sharma
3	122102008		Materials Science	Prof. S.K. Gupta
4	122102009		Numerical Methods and Computation	Prof. S. R. K. Iyengar
5	122104015		Engineering Mechanics	Prof. Manoj K Harbola
6	122104016		Engineering Physics II	Prof. S. Raychaudhuri,
7	122104017		Mathematics I	Dr. P. Shunmugaraj,
8	122105020		Human Resource Management-I	Prof. Kalyan Chakravarti
9	122105021		Leadership	Prof. Kalyan Chakravarti
10	122105022		Management Information System	Prof. Biswajit Mahanty
11	122105023		Physics I - Oscillations & Waves	Prof. S. Bharadwaj
12	122105024		Strategic Management	Prof. Kalyan Chakravarti
13	122106025		Basic Electronics and Lab	Prof. T.S. Natarajan
14	122106027		Classical Physics	Prof. V. Balakrishnan
15	122106028		Engineering Chemistry I	Prof. K. Mangala Sunder
16	122106033		Numerical Analysis and Computer Programming	Prof. P.B. Sunil Kumar
17	122106034		Quantum Physics	Prof. V. Balakrishnan
18	122107035		Engineering Physics I	Prof. G.D. Verma,

19	122107036		Mathematics II	Dr. Tanuja Srivastava,
20	122107037		Mathematics III	Dr. Tanuja Srivastava,
21	122108038		Concept of Management and Evolution of Management thought	Prof. K.B. Akhilesh
1	123105001	Mining Engineering	Fundamentals of Environmental Pollution and Control	
Total No.of Courses 138				