

685 NPTEL VIDEO COURSES DETAIL (With Direct Access Link to 26,740 Video Lectures - Updated as on November 29, 2016)**Civil Engineering**

No.	Courses	Coordinators	Institute	Syllabus	PDF	MP3
1	Advanced Foundation Engineering	Dr. Kousik Deb	IIT Kharagpur	Syllabus	Y	Y
2	Advanced Geotechnical Engineering	Dr. B.V.S. Viswanadham	IIT Bombay	Syllabus	N	N
3	Advanced Hydraulics	Dr. Suresh A Kartha	IIT Guwahati	Syllabus	Y	Y
4	Advanced Hydrology	Dr. Ashu Jain	IIT Kanpur	Syllabus	Y	Y
5	Advanced Structural Analysis	Prof. Devdas Menon	IIT Madras	Syllabus	Y	Y
6	Application of Soil Mechanics	Dr. Nihar Ranjan Patra	IIT Kanpur	Syllabus	Y	Y
7	Civil Engineering - Building materials and Construction	Dr. B. Bhattacharjee	IIT Delhi	Syllabus	Y	Y
8	Concrete Engineering and Technology	Dr. Sudhir Misra	IIT Kanpur	Syllabus	Y	Y
9	Concrete Technology	Dr. B. Bhattacharjee	IIT Delhi	Syllabus	Y	Y
10	Design of Reinforced Concrete Structures	Prof. N. Dhang	IIT Kharagpur	Syllabus	Y	Y
11	Design of Steel Structures	Prof. Damodar Maity	IIT Guwahati	Syllabus	Y	Y
12	Engineering Geology	Dr. Debasis Roy	IIT Kharagpur	Syllabus	Y	Y
13	Environmental Air Pollution	Prof. Mukesh Sharma	IIT Kanpur	Syllabus	Y	Y
14	Finite Element Analysis	Dr. B.N. Rao	IIT Madras	Syllabus	Y	Y
15	Finite Element method for vibration and Stability analyses	Prof. C.S. Manohar	IISc Bangalore	Syllabus	N	Y
16	Fluid Mechanics	Dr. T.I. Eldho	IIT Bombay	Syllabus	Y	Y
17	Foundation Engineering	Prof. Mahendra Singh, Prof. N.K. Samadhiya, Prof. Priti Maheswari	IIT Roorkee	Syllabus	Y	Y
18	Geosynthetics and Reinforced Soil Structures	Dr. K. Rajagopal	IIT Madras	Syllabus	Y	Y
19	Geosynthetics Engineering: In Theory and Practice	Prof. J. N. Mandal	IIT Bombay	Syllabus	Y	Y
20	Geotechnical Earthquake Engineering	Dr. Deepankar Choudhury	IIT Bombay	Syllabus	N	Y
21	Geotechnical Measurements & Explorations	Dr. Nihar Ranjan Patra	IIT Kanpur	Syllabus	Y	Y
22	Ground Improvement Techniques	Dr. G.L. Sivakumar Babu	IISc Bangalore	Syllabus	Y	Y
23	Ground Water Hydrology	Dr. V.R. Desai, Dr. Anirban Dhar	IIT Kharagpur	Syllabus	N	Y
24	Hydraulics	Prof. Arup Kumar Sharma	IIT Guwahati	Syllabus	Y	Y
25	Introduction to Transportation Engineering	Dr. Bhargab Maitra, Dr. K.S. Reddy	IIT Kharagpur	Syllabus	Y	Y
26	Mechanics of solids	Prof. M.S. Sivakumar	IIT Madras	Syllabus	Y	Y
27	Modern Construction Materials	Dr. Ravindra Gettu	IIT Madras	Syllabus	Y	Y
28	Modern Surveying Techniques	Prof. S.K. Ghosh	IIT Roorkee	Syllabus	Y	Y
29	NOC:Earth Sciences for Civil Engineering	Prof. Javed N. Malik	IIT Kanpur	Syllabus	N	Y
30	NOC:Engineering Graphics	Dr. Nihar Ranjan Patra	IIT Kanpur	Syllabus	N	Y
31	NOC:Geology and Soil Mechanics	Dr. Priyanka Ghosh	IIT Kanpur	Syllabus	N	Y
32	NOC:GPS SURVEYING	Dr. Jayanta Kumar Ghosh	IIT Roorkee	Syllabus	N	Y
33	NOC:Introduction to Geographic Information Systems	Dr. Arun K. Saraf	IIT Roorkee	Syllabus	N	Y
34	NOC:Principles and Applications of Building Science	Dr. E. Rajasekar	IIT Roorkee	Syllabus	N	Y
35	NOC:Probability Methods in Civil Engineering	Dr. Rajib Maity	IIT Kharagpur	Syllabus	N	Y
36	NOC:Project Planning & Control(Course sponsored by Aricent)	Dr. Koshy Varghese	IIT Madras	Syllabus	N	Y
37	NOC:Structural Dynamics	Prof. Ramacharala Pradeep Kumar	IIT Madras	Syllabus	N	Y
38	NOC:Sustainable River Basin Management	Dr. Franziska Steinbruch	IIT Madras	Syllabus	Y	Y

39	Numerical Methods in Civil Engineering	Dr. A. Deb	IIT Kharagpur	Syllabus	Y	Y
40	Pre-stressed Concrete Structures	Prof. Devdas Menon,Dr. Amlan Kumar Sengupta	IIT Madras	Syllabus	Y	Y
41	Probability Methods in Civil Engineering	Dr. Rajib Maity	IIT Kharagpur	Syllabus	Y	Y
42	Seismic Analysis of Structures	Dr. Ashok Gupta,Dr. T.K. Datta	IIT Delhi	Syllabus	N	Y
43	Soil Dynamics	Dr. Deepankar Choudhury	IIT Bombay	Syllabus	Y	Y
44	Soil Mechanics	Dr. B.V.S. Viswanadham	IIT Bombay	Syllabus	Y	Y
45	Stochastic Hydrology	Prof. P.P. Mujumdar	IISc Bangalore	Syllabus	Y	Y
46	Stochastic Structural Dynamics	Prof. C.S. Manohar	IISc Bangalore	Syllabus	Y	Y
47	Strength of Materials	Prof. S.K. Bhattacharyya	IIT Kharagpur	Syllabus	Y	Y
48	Structural Analysis II	Dr. P. Banerji	IIT Bombay	Syllabus	Y	Y
49	Structural Dynamics	Dr. P. Banerji	IIT Bombay	Syllabus	Y	Y
50	Surveying	Dr. Bharat Lohani	IIT Kanpur	Syllabus	Y	Y
51	Transportation Engineering II	Prof. Rajat Rastogi	IIT Roorkee	Syllabus	Y	Y
52	Urban transportation planning	Dr. V. Thamizh Arasan	IIT Madras	Syllabus	Y	Y
53	Water and Waste Water Engineering	Prof. Ligy Philip,Prof. C. Venkobachar,Prof. B.S. Murty	IIT Madras	Syllabus	Y	Y
54	Water Resources Engineering	Dr. Pranab K Mohapatra,Prof. Rajesh Srivastava	IIT Kanpur	Syllabus	Y	Y
55	Water Resources Systems : Modeling Techniques and Analysis	Prof. P.P. Mujumdar	IISc Bangalore	Syllabus	Y	Y
56	Watershed Management	Dr. T.I. Eldho	IIT Bombay	Syllabus	Y	Y