

**GUDLAVALLERU ENGINEERING COLLEGE: GUDLAVALLERU**

**DEPARTMENT OF CIVIL ENGINEERING**

**LIST OF NPTEL WEB COURSES**

S.No	Course Name	Coordinators	Institute	Weblink
1	Advance Geotechnological Engineering	Dr. Nihar Ranjan Patra	IIT Kanpur	<a href="http://nptel.ac.in/courses/10510413">http://nptel.ac.in/courses/10510413</a> <u>2/</u>
2	Advanced Foundation Engineering	Dr. T.G. Sitharam	IISc Bangalore	<a href="http://nptel.ac.in/courses/10510806">http://nptel.ac.in/courses/10510806</a> <u>9/</u>
3	Advanced Hydraulics	Dr. C. S. P. Ojha	IIT Roorkee	<a href="http://nptel.ac.in/courses/10510705">http://nptel.ac.in/courses/10510705</a> <u>9/</u>
4	Advanced Hydrology	Dr. Subhankar Karmakar	IIT Bombay	<a href="http://nptel.ac.in/courses/10510100">http://nptel.ac.in/courses/10510100</a> <u>2/</u>
5	Advanced Solid Mechanics	Dr. U. Saravanan	IIT Madras	<a href="http://nptel.ac.in/courses/10510604">http://nptel.ac.in/courses/10510604</a> <u>9/</u>
6	Advanced Techniques in Geotechnical and Foundation Engineering	Dr. Nainan P. Kurian	PSG College of Technology	<a href="http://nptel.ac.in/courses/10510614">http://nptel.ac.in/courses/10510614</a> <u>4/</u>
7	Advanced Transportation Engineering	Prof. A. Das	IIT Kanpur	<a href="http://nptel.ac.in/courses/10510409">http://nptel.ac.in/courses/10510409</a> <u>8/</u>
		Prof. Partha Chakraborty		
8	Applied Elasticity for Engineers	Dr. L. Govindaraju	Bangalore University	<a href="http://nptel.ac.in/courses/10510807">http://nptel.ac.in/courses/10510807</a> <u>0/</u>
		Dr. T.G. Sitharam	IISc Bangalore	
9	Composite Materials	Dr. P.C. Pandey	IISc Bangalore	<a href="http://nptel.ac.in/courses/10510812">http://nptel.ac.in/courses/10510812</a> <u>4/</u>
10	Computational Hydraulics	Prof. M.S. Mohan Kumar	IISc Bangalore	<a href="http://nptel.ac.in/courses/10510812">http://nptel.ac.in/courses/10510812</a> <u>5/</u>
11	Concepts in Geotechnical and Foundation Engineering	Dr. Nainan P. Kurian	PSG College of Technology	<a href="http://nptel.ac.in/courses/10510614">http://nptel.ac.in/courses/10510614</a> <u>2/</u>
12	Construction Economics & Finance	Dr. Bulu Pradhan	IIT Guwahati	<a href="http://nptel.ac.in/courses/10510302">http://nptel.ac.in/courses/10510302</a> <u>3/</u>
13	Construction Planning and Management	Prof. Arbind Kumar Singh	IIT Guwahati	<a href="http://nptel.ac.in/courses/10510309">http://nptel.ac.in/courses/10510309</a> <u>3/</u>
14	Continuum Damage Mechanics	Dr. P.C. Pandey	IISc Bangalore	<a href="http://nptel.ac.in/courses/10510807">http://nptel.ac.in/courses/10510807</a> <u>2/</u>

15	Design of Concrete Structures	Prof. J.N. Bandopadhyay	IIT Kharagpur	<a href="http://nptel.ac.in/courses/10510510">http://nptel.ac.in/courses/10510510</a> 4/
16	Design of Steel Structures I	Prof. S.R. Satishkumar	IIT Madras	<a href="http://nptel.ac.in/courses/10510611">http://nptel.ac.in/courses/10510611</a> 2/
		Prof. A.R. Shantha Kumar		
17	Design of Steel Structures II	Prof. S.R. Satishkumar	IIT Madras	<a href="http://nptel.ac.in/courses/10510611">http://nptel.ac.in/courses/10510611</a> 3/
		Prof. A.R. Shantha Kumar		
18	Environmental Air Pollution	Prof. Mukesh Khare	IIT Delhi	<a href="http://nptel.ac.in/courses/10510208">http://nptel.ac.in/courses/10510208</a> 9/
19	Financing Infrastructure Projects	Dr. Laishram Boeing Singh	IIT Guwahati	<a href="http://nptel.ac.in/courses/10510313">http://nptel.ac.in/courses/10510313</a> 3/
20	Finite Element Analysis	Prof. S.K. Bhattacharyya	IIT Kharagpur	<a href="http://nptel.ac.in/courses/10510504">http://nptel.ac.in/courses/10510504</a> 1/
		Dr. D. Maity		
21	Fluid Mechanics	Dr. Subhashisa Dutta	IIT Guwahati	<a href="http://nptel.ac.in/courses/10510309">http://nptel.ac.in/courses/10510309</a> 5/
		Dr. N. Sahoo		
22	Foundation Analysis and Design	Dr. Nihar Ranjan Patra	IIT Kanpur	<a href="http://nptel.ac.in/courses/10510413">http://nptel.ac.in/courses/10510413</a> 7/
23	Foundation Engineering	Dr. Deepankar Choudhury	IIT Bombay	<a href="http://nptel.ac.in/courses/10510108">http://nptel.ac.in/courses/10510108</a> 3/
24	G.I.S in Civil Engineering	Dr. A.K. Gosain	IIT Delhi	<a href="http://nptel.ac.in/courses/10510201">http://nptel.ac.in/courses/10510201</a> 5/
25	Geo-environmental Engineering	Dr. S. Sreedeeep	IIT Guwahati	<a href="http://nptel.ac.in/courses/10510302">http://nptel.ac.in/courses/10510302</a> 5/
26	Geo-informatics in Transportation Engineering	Dr. Ashish Verma	IISc Bangalore	<a href="http://nptel.ac.in/courses/10510807">http://nptel.ac.in/courses/10510807</a> 3/
27	Geotechnical Earthquake Engineering	Dr. Nihar Ranjan Patra	IIT Kanpur	<a href="http://nptel.ac.in/courses/10510413">http://nptel.ac.in/courses/10510413</a> 6/
28	Geotechnical Earthquake Engineering	Dr. Gali Madhavi Latha	IISc Bangalore	<a href="http://nptel.ac.in/courses/10510807">http://nptel.ac.in/courses/10510807</a> 4/
29	Global Positioning System	Dr. R.D. Garg	IIT Roorkee	<a href="http://nptel.ac.in/courses/10510706">http://nptel.ac.in/courses/10510706</a> 2/
30	Ground Improvement Techniques	Dr. Nihar Ranjan Patra	IIT Kanpur	<a href="http://nptel.ac.in/courses/10510403">http://nptel.ac.in/courses/10510403</a> 4/

31	Ground Water Hydrology	Dr. Rajib K. Bhattacharjya	IIT Guwahati	<a href="http://nptel.ac.in/courses/105103026/">http://nptel.ac.in/courses/105103026/</a>
32	Hydraulics	Prof. B.S. Murty	IIT Madras	<a href="http://nptel.ac.in/courses/105106114/">http://nptel.ac.in/courses/105106114/</a>
		Dr. B.S. Thandaveswara		
33	Hydrological Measurements and Analysis of Data	Dr. Sharad Kumar Jain	IIT Roorkee	<a href="http://nptel.ac.in/courses/105107129/">http://nptel.ac.in/courses/105107129/</a>
34	Infrastructure Planning and Management	Dr. Ashwin Mahalingam	IIT Madras	<a href="http://nptel.ac.in/courses/105106115/">http://nptel.ac.in/courses/105106115/</a>
		Prof. A. Veeraragavan		
35	Introduction to Earthquake Engineering	Dr. R.S. Jangid	IIT Bombay	<a href="http://nptel.ac.in/courses/105101004/">http://nptel.ac.in/courses/105101004/</a>
36	Introduction to Engineering Seismology	Dr. P. Anbazhagan	IISc Bangalore	<a href="http://nptel.ac.in/courses/105108076/">http://nptel.ac.in/courses/105108076/</a>
37	Mechanics of Solids	Prof. Y. Nath	IIT Delhi	<a href="http://nptel.ac.in/courses/105102090/">http://nptel.ac.in/courses/105102090/</a>
38	Modern Surveying Techniques	Dr. Onkar Dikshit	IIT Kanpur	<a href="http://nptel.ac.in/courses/105104100/">http://nptel.ac.in/courses/105104100/</a>
39	Optimization Methods	Dr. D. Nagesh Kumar	IISc Bangalore	<a href="http://nptel.ac.in/courses/105108127/">http://nptel.ac.in/courses/105108127/</a>
40	Pre-stressed Concrete Structures	Prof. Devdas Menon	IIT Madras	<a href="http://nptel.ac.in/courses/105106117/">http://nptel.ac.in/courses/105106117/</a>
		Dr. Amlan Kumar Sengupta		
41	Probability Methods in Civil Engineering	Dr. C. Mallikarjuna	IIT Guwahati	<a href="http://nptel.ac.in/courses/105103027/">http://nptel.ac.in/courses/105103027/</a>
42	Probability Methods in Civil Engineering	Dr. Rajib Maity	IIT Kharagpur	<a href="http://nptel.ac.in/courses/105105138/">http://nptel.ac.in/courses/105105138/</a>
43	Reliability Engineering	Dr. G.L. Sivakumar Babu	IISc Bangalore	<a href="http://nptel.ac.in/courses/105108128/">http://nptel.ac.in/courses/105108128/</a>
44	Remote Sensing	Dr. D. Nagesh Kumar	IISc Bangalore	<a href="http://nptel.ac.in/courses/105108077/">http://nptel.ac.in/courses/105108077/</a>
45	Site Characterisation & Instrumentation	Dr. P. Anbazhagan	IISc Bangalore	<a href="http://nptel.ac.in/courses/105108078/">http://nptel.ac.in/courses/105108078/</a>
46	Soil Dynamics	Dr. S. Mittal	IIT Roorkee	<a href="http://nptel.ac.in/courses/105107066/">http://nptel.ac.in/courses/105107066/</a>
47	Soil Mechanics	Prof. Baleshwar Singh	IIT Guwahati	<a href="http://nptel.ac.in/courses/105103097/">http://nptel.ac.in/courses/105103097/</a>

48	Solid & Hazardous Waste Management	Dr. Indumathi Nambi	IIT Madras	<a href="http://nptel.ac.in/courses/105106056/">http://nptel.ac.in/courses/105106056/</a>
49	Structural Analysis I	Dr. Siddhartha Ghosh	IIT Bombay	<a href="http://nptel.ac.in/courses/105101085/">http://nptel.ac.in/courses/105101085/</a>
		Dr. R.S. Jangid		
50	Structural Analysis II	<del>Prof. L.S. Ramachandra Prof. Sudhir Kumar Barai</del>	IIT Kharagpur	<a href="http://nptel.ac.in/courses/105105109/">http://nptel.ac.in/courses/105105109/</a>
51	Structural Reliability	Dr. Arunasis Chakraborty	IIT Guwahati	<a href="http://nptel.ac.in/courses/105103140/">http://nptel.ac.in/courses/105103140/</a>
52	Surveying	Prof. J.K. Ghosh	IIT Roorkee	<a href="http://nptel.ac.in/courses/105107122/">http://nptel.ac.in/courses/105107122/</a>
53	Traffic Engineering & Management	Dr. Tom V Mathew	IIT Bombay	<a href="http://nptel.ac.in/courses/105101008/">http://nptel.ac.in/courses/105101008/</a>
54	Transportation Engineering I	Dr. Tom V Mathew	IIT Bombay	<a href="http://nptel.ac.in/courses/105101087/">http://nptel.ac.in/courses/105101087/</a>
55	Urban transportation planning	Dr. M. Parida	IIT Roorkee	<a href="http://nptel.ac.in/courses/105107067/">http://nptel.ac.in/courses/105107067/</a>
56	Wastewater management	Dr. M.M. Ghangrekar	IIT Kharagpur	<a href="http://nptel.ac.in/courses/105105048/">http://nptel.ac.in/courses/105105048/</a>
57	Water and Waste Water Engineering	Dr. P. Bose	IIT Kanpur	<a href="http://nptel.ac.in/courses/105104102/">http://nptel.ac.in/courses/105104102/</a>
58	Water Resources Engineering	Dr. Dhruvajyoti Sen	IIT Kharagpur	<a href="http://nptel.ac.in/courses/105105110/">http://nptel.ac.in/courses/105105110/</a>
59	Water Resources Systems Planning and Management	Dr. D. Nagesh Kumar	IISc Bangalore	<a href="http://nptel.ac.in/courses/105108081/">http://nptel.ac.in/courses/105108081/</a>
60	Advanced Structural Analysis	Dr. Pradeep Bhargava	IIT Roorkee	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId=105107060">http://nptel.ac.in/syllabus/syllabus.php?subjectId=105107060</a>
61	Advanced Structural Design	Dr. Kaustubh Dasgupta	IIT Guwahati	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId=105103022">http://nptel.ac.in/syllabus/syllabus.php?subjectId=105103022</a>
62	Contaminant Transport in Natural and Manmade Systems	Prof. M.S. Mohan Kumar	IISc Bangalore	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId=105108071">http://nptel.ac.in/syllabus/syllabus.php?subjectId=105108071</a>
63	Design of Hydraulic Structures	Dr. Dhruvajyoti Sen	IIT Kharagpur	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId=105105040">http://nptel.ac.in/syllabus/syllabus.php?subjectId=105105040</a>

64	Elements of photogrammetry	Dr. Kamal Jain	IIT Roorkee	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId=105107061">http://nptel.ac.in/syllabus/syllabus.php?subjectId=105107061</a>
65	Modern Construction Materials	Dr. Umesh Sharma	IIT Roorkee	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId=105107063">http://nptel.ac.in/syllabus/syllabus.php?subjectId=105107063</a>
66	Pavement Design	Dr. Praveen Kumar	IIT Roorkee	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId=105107064">http://nptel.ac.in/syllabus/syllabus.php?subjectId=105107064</a>
67	Remote Sensing	Dr. P.K. Garg	IIT Roorkee	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId=105107065">http://nptel.ac.in/syllabus/syllabus.php?subjectId=105107065</a>
68	Rock Mechanics	Dr. V.B. Maji	IIT Madras	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId=105106055">http://nptel.ac.in/syllabus/syllabus.php?subjectId=105106055</a>
69	Structural Dynamics	Dr. A. Meher Prasad	IIT Madras	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId=105101006">http://nptel.ac.in/syllabus/syllabus.php?subjectId=105101006</a>
70	Transportation Economics	Dr. Akhilesh Kumar Maurya	IIT Guwahati	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId=105103028">http://nptel.ac.in/syllabus/syllabus.php?subjectId=105103028</a>
71	Unsaturated Soil Mechanics	Dr. Tadikonda Venkata Bharat	IIT Guwahati	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId=105103139">http://nptel.ac.in/syllabus/syllabus.php?subjectId=105103139</a>
72	Watershed Management	Dr. Deepak Khare	IIT Roorkee	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId=105107068">http://nptel.ac.in/syllabus/syllabus.php?subjectId=105107068</a>
73	Analytical Methods for Transportation Engineers	Prof. Partha Chakroborty	IIT Kanpur	<a href="http://nptel.ac.in/syllabus/syllabus.php?subjectId=105104134">http://nptel.ac.in/syllabus/syllabus.php?subjectId=105104134</a>