

Jaipur Engineering College and Research Centre
Department of Civil Engineering
NPTEL Video Links

S. No.	Semester	Code	Subject	Topics	NPTEL Link
1	I/II	1FY3-09/ 2FY3-09	Basic Civil Engineering	Basic construction materials	https://nptel.ac.in/courses/105/106/105106206/
2	III	3CE2-01	Advance Engineering Mathematics -I	Basic Calculus _ 1	https://nptel.ac.in/courses/111/106/111106146/
				Functional Analysis	https://nptel.ac.in/courses/111/106/111106147/
3		3CE1-02	Technical Communication	Business English Communication	https://nptel.ac.in/courses/109/106/109106129/
				Employment Communication A Lab based course	https://nptel.ac.in/courses/109/105/109105144/
4		3CE3-04	Engineering Mechanics	Mechanics of Solids	https://nptel.ac.in/courses/105/106/105106116/
				Mechanics of Materials	https://nptel.ac.in/courses/105/106/105106172/
5		3CE4-05	Surveying	Surveying	https://nptel.ac.in/courses/105/104/105104101/
				Modern Surveying Techniques	https://nptel.ac.in/courses/105/107/105107121/
6		3CE4-06	Fluid Mechanics	Introduction to Fluid Mechanics	https://nptel.ac.in/courses/112/105/112105269/
				Fluid Mechanics	https://nptel.ac.in/courses/105/103/105103192/
7	3CE4-07	Building Materials and Construction	Basic construction materials	https://nptel.ac.in/courses/105/106/105106206/	
			Building Materials and Composites	https://nptel.ac.in/courses/124/105/124105013/	
8	3CE4-08	Engineering Geology	Engineering Geology	https://nptel.ac.in/courses/105/105/105105106/	
			Structural Geology	https://nptel.ac.in/courses/105/104/105104191/	
9		4CE2-01	Advance Engineering Mathematics -II	Basic Calculus _ 1	https://nptel.ac.in/courses/111/106/111106146/
				Functional Analysis	https://nptel.ac.in/courses/111/106/111106147/
10		4CE1-03	Managerial Economics & Financial Accounting	Business English Communication	https://nptel.ac.in/courses/109/106/109106129/
				Employment Communication A Lab based course	https://nptel.ac.in/courses/109/105/109105144/

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11	IV	4CE3-04	Basic Electronics for Civil Engineering Applications	Electronics equipment integration and Prototype building	https://nptel.ac.in/courses/108/108/108108157/
				Electronic Theory of Solids	https://nptel.ac.in/courses/115/105/115105122/
12		4CE4-05	Strength of Materials	Strength of Materials	https://nptel.ac.in/courses/105/105/105105108/
				Advanced Strength of Materials	https://nptel.ac.in/courses/112/101/112101095/
13		4CE4-06	Hydraulics Engineering	Hydraulic Engineering	https://nptel.ac.in/courses/105/105/105105203/
				Advanced Hydraulics	https://nptel.ac.in/courses/105/107/105107059/
14		4CE4-07	Building Planning	Principles and Applications of Building Science	https://nptel.ac.in/courses/105/107/105107156/
				Energy Efficiency, Acoustics and daylighting in Building	https://nptel.ac.in/courses/105/102/105102175/
15	4CE4-08	Concrete Technology	Advanced Concrete Technology	https://nptel.ac.in/courses/105/106/105106176/	
			Advanced Topics in the Science and Technology of Concrete	https://nptel.ac.in/courses/105/106/105106187/	

16	V	5CE3-01	Construction Technology & Equipment's	Construction methods and equipment management	https://nptel.ac.in/courses/105/103/105103206/
				Safety in Construction	https://nptel.ac.in/courses/105/102/105102206/
17		5CE4-02	Structural Analysis-I	Structural analysis I	https://nptel.ac.in/courses/105/105/105105166/
				Advanced Structural Analysis	https://nptel.ac.in/courses/105/106/105106050/
18		5CE4-03	Design of Concrete Structures	Design of Concrete Structures	https://nptel.ac.in/courses/105/105/105105105/
				Design of Reinforced Concrete Structures	https://nptel.ac.in/courses/105/105/105105105/
19		5CE4-04	Geotechnical Engineering	Geotechnical Engineering - 1	https://nptel.ac.in/courses/105/101/105101201/
				Geotechnical Engineering II	https://nptel.ac.in/courses/105/105/105105185/
20	5CE4-05	Water Resource Engineering	Water Resources Engineering	https://nptel.ac.in/courses/105/104/105104103/	
			Water Resources Systems : Modeling Techniques and Analysis	https://nptel.ac.in/courses/105/108/105108130/	
21	5CE5-11	Air & Noise Pollution and Control	Environmental Air Pollution	https://nptel.ac.in/courses/105/104/105104099/	
			Fundamentals of Environmental Pollution and Control	https://nptel.ac.in/courses/123/105/123105001/	

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22		5CE5-14	Repair and Rehabilitation of Structures	Maintenance and Repair of Concrete Structures	https://nptel.ac.in/courses/105/106/105106202/
				Development and Applications of Special Concretes	https://nptel.ac.in/courses/105/104/105104206/

23	VI	6CE3-01	Wind & Seismic Analysis	Introduction to Engineering Seismology	https://nptel.ac.in/courses/105/108/105108204/
				Seismic Analysis of Structures	https://nptel.ac.in/courses/105/102/105102016/
24		6CE3-02	Structural Analysis-II	Structural analysis I	https://nptel.ac.in/courses/105/105/105105166/
				Advanced Structural Analysis	https://nptel.ac.in/courses/105/106/105106050/
25		6CE3-03	Environmental Engineering	Environmental Quality Monitoring & Analysis	https://nptel.ac.in/courses/103/106/103106162/
				Introduction to Environmental Engineering and Science - Fundamental and Sustainability Concepts	https://nptel.ac.in/courses/127/105/127105018/
26		6CE3-04	Design of Steel Structures	Design of steel structures-I	https://nptel.ac.in/courses/105/105/105105162/
				Design of Steel Structures II	https://nptel.ac.in/courses/105/106/105106113/
27		6CE3-05	Estimating & Costing	Photogeology In Terrain Evaluation	https://nptel.ac.in/courses/105/104/105104167/
				Principles and Applications of Building Science	https://nptel.ac.in/courses/105/107/105107156/
28		6CE5-12	Solid and Hazardous Waste Management	Municipal Solid Waste Management	https://nptel.ac.in/courses/105/103/105103205/
				Solid & Hazardous Waste Management	https://nptel.ac.in/courses/105/106/105106056/
29		6CE5-16	Geographic Information System & Remote Sensing	Geographic Information Systems	https://nptel.ac.in/courses/105/107/105107206/
				Introduction to Geographic Information Systems	https://nptel.ac.in/courses/105/107/105107155/

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30	VII	7CE4-01	Transportation Engineering	Introduction to Transportation Engineering	https://nptel.ac.in/courses/105/105/105105107/
				Transportation Engineering-II	https://nptel.ac.in/courses/105/107/105107123/
31	VII	7AG6-60.2	Environmental Engineering and Disaster Management	Environmental Air Pollution	https://nptel.ac.in/courses/105/104/105104099/
				Disaster Recovery and Building Back Better	https://nptel.ac.in/courses/124/107/124107010/
32	VIII	8CE4-01	Project Planning and Construction Management	Project Planning & Control(Course sponsored by Aricent)	https://nptel.ac.in/courses/105/106/105106149/
				Scheduling Techniques in Projects	https://nptel.ac.in/courses/105/102/105102199/
33	VIII	8TT6-60.1	Disaster Management	Natural Hazards - Part-1	https://nptel.ac.in/courses/105/104/105104183/
				Disaster Recovery and Building Back	https://nptel.ac.in/courses/124/107/124107010/