



Video Lectures Details - Civil Engineering Department

Session 2020-21

List of Video Lectures (Odd sem)

Civil Engg. Department Channel Link <https://rb.gy/igb8qm>

Sr. No	Sem	Subject	Lecture	Name of faculty	Topic	Link
1	7th sem	Air Pollution & Solid Waste Management	1	Mr. Amey R. Khedikar	Introduction about Subject, Syllabus, evaluation scheme & Basic details of Air Pollution	https://youtu.be/5I1JqCv1zaY
2	7th sem		2	Mr. Amey R. Khedikar	SMOG Formation & Effects	https://youtu.be/6tRdV_l6ozQ
3	7th sem		3	Mr. Amey R. Khedikar	Effects on Humans & others	https://youtu.be/-yK0FCarv0s
4	7th sem		4	Mr. Amey R. Khedikar	Control Measures (Industrial) & study on various Filters	https://youtu.be/9fiw5TMXFMk
5	7th sem		5	Mr. Amey R. Khedikar	Wind Data, Wind Rose Diagram & Stack Height Determination	https://youtu.be/fo9Y1CSmO-w
6	7th sem		6	Mr. Amey R. Khedikar	Discussion on Meteorological parameters & Atmospheric stability	https://youtu.be/gfsxY_4ITf0
7	7th sem		7	Mr. Amey R. Khedikar	Air Sampling & Pollution Prevention Act	https://youtu.be/-ixW287I:8
8	7th sem	Advanced Concrete Structures	1	Mr. Amey R. Khedikar	Introduction about Subject, Syllabus, evaluation scheme & Basic details of Water Tank Design	https://youtu.be/fMzqJfpLvBw
9	7th sem		2	Mr. Amey R. Khedikar	Types of Water Tank (Based on Location & Shape)	https://youtu.be/ezvO_sV20Cg
10	7th sem		3	Mr. Amey R. Khedikar	Numerical on Design of Circular Water Tank (IS Code Method) IS 456:2000 & IS 3370 (Part - I, Part-II, Part-III & Part-IV) (Based on Old IS Code)	https://youtu.be/vXzbtJ14G4
11	7th sem		4	Mr. Amey R. Khedikar	Design of Top Roof Dome	https://youtu.be/6n2-F2BqTEs
12	7th sem		5	Mr. Amey R. Khedikar	Design of Top Ring Beams	https://youtu.be/xPu1ewbm7zM
13	7th sem		6	Mr. Amey R. Khedikar	Design of Cylindrical walls	https://youtu.be/WuxFSYPkebg
14	7th sem		7	Mr. Amey R. Khedikar	Design of Base slab	https://youtu.be/8u7FcSPWPAl
15	7th sem		8	Mr. Amey R. Khedikar	Reinforcement Details of Water Tank	https://youtu.be/-pO4tuqWlOo
16	7th sem		9	Mr. Amey R. Khedikar	Design Steps for Biaxial Column (Short/Long)	https://youtu.be/fZhgaOZw_Yo
17	7th sem		10	Mr. Amey R. Khedikar	Numerical on Design of Biaxial Column (Long)	https://youtu.be/wfh8jNFITGM
18	7th sem		11	Mr. Amey R. Khedikar	Numerical on Sloping Footing subjected to axial Column	https://youtu.be/NOTXOZZDEPE
19	7th sem		12	Mr. Amey R. Khedikar	Numerical on redistribution of Moment's	https://youtu.be/ul45MVUH9bA
20	7th sem	Construction Management & Law	1	Mr. Amey R. Khedikar	Introduction about Subject, Syllabus, evaluation scheme & Introduction to term Management	https://youtu.be/gd6-ngRvz4k
21	7th sem		2	Mr. Amey R. Khedikar	Introduction to term Project	https://youtu.be/vDuRM-iR7ZA
22	7th sem		3	Mr. Amey R. Khedikar	Time of Completion, Escalation in Time and Cost	https://youtu.be/V-nuliVcy7M
23	7th sem		4	Mr. Amey R. Khedikar	Site Planning & Analysis	https://youtu.be/CrJ1rYJbh9A
24	7th sem		5	Mr. Amey R. Khedikar	Choice of Construction Technology and Construction Techniques	https://youtu.be/feM-X-MueV4
25	7th sem		6	Mr. Amey R. Khedikar	Brief Introduction about CPM & PERT Method with example of Network Analysis	https://youtu.be/JNfT_ZaCVAk
26	7th sem		7	Mr. Amey R. Khedikar	Development of Network Diagram	https://youtu.be/EYICN2BkdUQ
27	7th sem		8	Mr. Amey R. Khedikar	Numerical on Calculation of Total Float (CMP)	https://youtu.be/FpJAWVLoV6o
28	7th sem		9	Mr. Amey R. Khedikar	Numerical on Calculation of Total Float with development of Network Diagram	https://youtu.be/V9aqAdYx2xw
29	7th sem		10	Mr. Amey R. Khedikar	Manpower, Productivity & Modes of calculating productivity	https://youtu.be/eJkOAXViqHY
30	7th sem		11	Mr. Amey R. Khedikar	Organizational Structure, Functions, Roles & Responsibilities of a Manager	https://youtu.be/nePVpi5qeV0
31	7th sem		12	Mr. Amey R. Khedikar	Material Management on Construction Site	https://youtu.be/CjBC9Ct3ECI
32	7th sem		13	Mr. Amey R. Khedikar	Waste management on construction site	https://youtu.be/1jrTDr2r9jI
33	7th sem	Estimating and Costing	1	Mr. Aasif Baig	Introduction of Estimating and Costing and its purposes	https://youtu.be/5qeWDugzCHo
34	7th sem		2	Mr. Aasif Baig	Detailed Estimate of Three room building by Long wall and short wall method upto Ground Level	https://youtu.be/6iSXZsBiDRO
35	7th sem	Transportation Engineering-II	1	Mr. Sanjay K. Bhadke	Basic Airport Terminology related to Transportation Engineering	https://youtu.be/xJpM2dvjLy0
36	7th sem		2	Mr. Sanjay K. Bhadke	Various types of Stations & Yards	https://youtu.be/MSWEhBY72IQ
37	7th sem		3	Mr. Sanjay K. Bhadke	Various types of Points & Crossing	https://youtu.be/rbyv9Darudk
38	7th sem		4	Mr. Sanjay K. Bhadke	Signals & Interlocking	https://youtu.be/n8PakWiz3IU

39	5th sem	Fluid Mechanics-I	1	Mr. Aasif Baig	Introduction to subject and properties of Fluid	https://youtu.be/AHT4sgZLGao
40	5th sem		2	Mr. Vishwjeet Ambade	Fluid Mechanics-I-Newtons Law if Viscosity & Numerical	https://youtu.be/cdBJywkckxk
41	5th sem		3	Mr. Vishwjeet Ambade	Numerical on Manometers	https://youtu.be/DvHFWFRe-d4
42	5th sem		4	Mr. Vishwjeet Ambade	Numerical on U-Tube Manometer	https://youtu.be/vq3HfgcnJoE
43	5th sem		5	Mr. Vishwjeet Ambade	Derivation of Pascal Law	https://youtu.be/BksazTztdfU
44	5th sem		6	Mr. Vishwjeet Ambade	Derivation on Hydrostatic law	https://youtu.be/ecDvurbLhDo
45	5th sem	Geotechnical Engineering-II	1	Mr. Sanjay K. Bhadke	Introduction about Subject, Syllabus, evaluation scheme & Introduction to term Soil Exploration	https://youtu.be/Tg1chW5vy9g
46	5th sem		2	Mr. Sanjay K. Bhadke	Soil Investigation	https://youtu.be/JOxjyMPSy40
47	5th sem		3	Mr. Sanjay K. Bhadke	Soil Samples & Samplers	https://youtu.be/Q210SpbJMhw
48	5th sem		4	Mr. Sanjay K. Bhadke	Stability of Slopes	https://youtu.be/kpJTHIUbQ2U
49	5th sem	Structural Analysis-II	1	Mr. Aasif Baig	Introduction about Subject, Syllabus, evaluation scheme & Introduction to Kani's Method with Numerical on Analysis of continuous beam by Kani's method	https://youtu.be/didbwDoc8o4
50	5th sem		2	Mr. Aasif Baig	Analysis of Continuous beam by Kani's Method	https://youtu.be/1EqT0Y1TU_0
51	5th sem		3	Mr. Aasif Baig	Analysis of Portal Frame by Kani's Method	https://youtu.be/t-3KCPTkC0g
52	5th sem		4	Mr. Aasif Baig	Analysis of Portal Frame with side sway by Kani's Method	https://youtu.be/ZbYgNtMgLqM
53	5th sem		5	Mr. Aasif Baig	Analysis of Continuous Beam by MDM	https://youtu.be/7qki7Py0Ndk
54	5th sem		6	Mr. Aasif Baig	Analysis of three span Continuous Beam by MDM	https://youtu.be/HXTLOhx63MM
55	5th sem		7	Mr. Aasif Baig	Analysis of Continuous beam with Sinking Support by MDM	https://youtu.be/P4OMWtXtcc
56	5th sem	Reinforced Concrete Structures	1	Mr. Aasif Baig	Introduction about Subject, Syllabus, evaluation scheme & basic Terminologies used in Subject	https://youtu.be/KBdpBgniqg0
57	5th sem		2	Mr. Aasif Baig	Design of Singly R/F Beam (CASE I)	https://youtu.be/Zwa7D-EHZME
58	5th sem		3	Mr. Aasif Baig	Design of Singly R/F Beam (CASE II)	https://youtu.be/0Lpm_yqAH2w
59	5th sem	Hydrology & Water Resources	1	Mr. Milind Khamgaonkar	Introduction to Evaporation Infiltration indices Practice.	https://youtu.be/y_5deU2sxiU
60	5th sem		2	Mr. Milind Khamgaonkar	Evaporation Mechanism & Remedies	https://youtu.be/b2rpx8ixkCg
61	5th sem		3	Mr. Milind Khamgaonkar	Evaluation/Measurement of Evaporation-Numerical	https://youtu.be/L6ByX3FOi7o
62	5th sem		4	Mr. Milind Khamgaonkar	Understanding EvapoTranspiration Factors Effects & Evaluation	https://youtu.be/1cDDm1T4AiI
63	5th sem		5	Mr. Milind Khamgaonkar	Understanding Runoff	https://youtu.be/hK2oEuYJD9s
64	5th sem		6	Mr. Milind Khamgaonkar	Runoff measurement	https://youtu.be/swr9MXG4j3s
65	5th sem		7	Mr. Milind Khamgaonkar	Area velocity & Slope velocity method of calculating Runoff	https://youtu.be/OW0XJIRILus
66	5th sem		8	Mr. Milind Khamgaonkar	Runoff evaluation means	https://youtu.be/6yLZcqPVDVM
67	5th sem		9	Mr. Milind Khamgaonkar	Hydrographics-1	https://youtu.be/WaDNEYzsiZ8
68	5th sem		10	Mr. Milind Khamgaonkar	Hydrographics-2	https://youtu.be/WC8sRWtu8Rk
69	5th sem		11	Mr. Milind Khamgaonkar	Unit Hydrograph Concept - 1	https://youtu.be/6MMECMe95vs
70	5th sem		12	Mr. Milind Khamgaonkar	Unit Hydrograph Concept-2	https://youtu.be/Dcg6clrwH3o
71	5th sem		13	Mr. Milind Khamgaonkar	Unit Hydrograph Concept-3 (Application)	https://youtu.be/yM0bhy-FPpE
72	5th sem		14	Mr. Milind Khamgaonkar	S-Hydrograph-IUH & Its Applications	https://youtu.be/7HmtZf9rBOA
73	5th sem		15	Mr. Milind Khamgaonkar	Understanding Floods	https://youtu.be/J9OT0ca-f10
74	5th sem		16	Mr. Milind Khamgaonkar	Floods, measures, EAP-1 (Emergency Action Plan)	https://youtu.be/5hqkqQ4Qp4
75	5th sem		17	Mr. Milind Khamgaonkar	Evaluation of Floods & Routing	https://youtu.be/rh1zXi4m8k4
76	5th sem		18	Mr. Milind Khamgaonkar	Use of Statistics in Hydrological Predictions	https://youtu.be/N4Z5L0fcjgY
77	5th sem		19	Mr. Milind Khamgaonkar	Statistical Hydrology	https://youtu.be/egW1YwGcY6U
78	5th sem		20	Mr. Milind Khamgaonkar	Gumbell'S Method, Risk, Correlation	https://youtu.be/E85U4c10kG4
79	5th sem		21	Mr. Milind Khamgaonkar	Exploring Ground Water Hydrology	https://youtu.be/CS370wV3NuA
80	5th sem		22	Mr. Milind Khamgaonkar	Aquifer Parameters	https://youtu.be/qTT9xq8Wn8M
81	5th sem		23	Mr. Milind Khamgaonkar	Ground water flow Darcey's law & Transmissivity Concept	https://youtu.be/dBi5N5IhYwC
82	5th sem		24	Mr. Milind Khamgaonkar	Exploring Ground water	https://youtu.be/dco5Kjmnf0E
83	5th sem		25	Mr. Milind Khamgaonkar	Well Hydraulics-I	https://youtu.be/yg-RzaGf4gU
84	5th sem		26	Mr. Milind Khamgaonkar	Well Hydraulics-II	https://youtu.be/w1NqtCMvNE
85	5th sem		27	Mr. Milind Khamgaonkar	Knowing Well Hydraulics through numericals-III	https://youtu.be/ThN6VtvOPaM
86	5th sem		28	Mr. Milind Khamgaonkar	Understanding Ground Water Recharge	https://youtu.be/LriPFcyzN2c
87	5th sem		29	Mr. Milind Khamgaonkar	Ground Water Recharge methods	https://youtu.be/VVlyudrAYg
88	5th sem		30	Mr. Milind Khamgaonkar	Exploring SubSurface Dams	https://youtu.be/DSei6FOIJs
89	5th sem		31	Mr. Milind Khamgaonkar	Waste Water Recharge	https://youtu.be/auZFbptmRU
90	5th sem		32	Mr. Milind Khamgaonkar	Rural Rain Water Harvesting	https://youtu.be/Gq-- MUCESA
91	5th sem		33	Mr. Milind Khamgaonkar	Exploring Multipurpose project & it's Planning	https://youtu.be/DY_bOc7aGbo
92	5th sem		34	Mr. Milind Khamgaonkar	Understanding Urban Rain Water Harvesting	https://youtu.be/utXTMx2yGQQ
93	5th sem		35	Mr. Milind Khamgaonkar	Inter Basin River Water Transfer & Interstate River Water Dispute	https://youtu.be/utXTMx2yGQQ

94	3rd sem	Strength of Material	1	Mr. Sanjay K. Bhadke	Basic Definition (Stress & Strain)	https://youtu.be/5Uqpe9GLAtQ
95	3rd sem		2	Mr. Sanjay K. Bhadke	Numerical on calculation of elongation (stress & strain)	https://youtu.be/D6MvBFaKzOI
96	3rd sem		3	Mr. Sanjay K. Bhadke	Basic Concept of Torsion (Circular Shaft)	https://youtu.be/WSwYX_rINs
97	3rd sem		4	Mr. Sanjay K. Bhadke	Numerical on calculation for change in length / Elongation	https://youtu.be/Sp0b416BcnU
98	3rd sem	Environment Engineering-I	1	Mr. Mohitsingh Katoch	Introduction about Subject, Syllabus, evaluation scheme & Introduction to -Importance & necessity of water supply scheme	https://youtu.be/HGR5vOIRAbM
99	3rd sem		2	Mr. Mohitsingh Katoch	Intake Structures (Water Withdrawal Unit)	https://youtu.be/fLnI7Cnhlw
100	3rd sem		3	Mr. Mohitsingh Katoch	Types of Pipes used for water conveyance	https://youtu.be/coxW_Ka8ahE
101	3rd sem		4	Mr. Mohitsingh Katoch	Numerical on Population Forecasting Method	https://youtu.be/u1I3o78e8A8
102	3rd sem	Engineering Geology	1	Mr. Mohitsingh Katoch	Introduction about Subject, Syllabus, evaluation scheme & Scope of Geology & Internal Structure of Earth	https://youtu.be/xggSA60TSxA
103	3rd sem		2	Mr. Mohitsingh Katoch	Continental Drift Theory	https://youtu.be/ZdOJAWO71S0
104	3rd sem	Concrete Technology	1	Mr. Milind Khamgaonkar	About "Cement" - Introduction (Short Video)	https://youtu.be/CeFEexZqCGc
105	3rd sem		2	Mr. Milind Khamgaonkar	All about "Concrete" (Part-1) in "Concrete Technology"	https://youtu.be/4AxM9aZj7RA
106	3rd sem		3	Mr. Milind Khamgaonkar	About "Cement" (Part-2) Properties & Important Types in Concrete	https://youtu.be/b5xXooJHkK4
107	3rd sem		4	Mr. Milind Khamgaonkar	Process of hot Weather & Underwater Concreting	https://youtu.be/WsCea22vey8
108	3rd sem		5	Mr. Milind Khamgaonkar	Understanding strength parameters of Cement Concrete	https://youtu.be/fEtHgLIzJNo
109	3rd sem		6	Mr. Milind Khamgaonkar	Factors affecting Strength of Concrete	https://youtu.be/AHVccqQAPSA
110	3rd sem		7	Mr. Milind Khamgaonkar	Various Strength Parameters of Cement Concrete	https://youtu.be/8WcXGuxY2SM
111	3rd sem		8	Mr. Milind Khamgaonkar	Strength of Concrete - fatigue strength and elastic properties of concrete	https://youtu.be/YuN_Yrpq3mg
112	3rd sem		9	Mr. Milind Khamgaonkar	Compressive Strength of Concrete-I	https://youtu.be/K8pAyOHWRsA
113	3rd sem		10	Mr. Milind Khamgaonkar	Concrete-Accelerated Curing & Flexural Strength	https://youtu.be/kdyhj9YCVg
114	3rd sem		11	Mr. Milind Khamgaonkar	Split tensile test & Abrasion test of Concrete	https://youtu.be/6cmrTzKjpsc
115	3rd sem		12	Mr. Milind Khamgaonkar	Understanding Admixtures in Cement Concrete	https://youtu.be/Jla_uAN7DT0
116	3rd sem		13	Mr. Milind Khamgaonkar	Admixtures: Mineral-II	https://youtu.be/kZYM-viWvqQ
117	3rd sem		14	Mr. Milind Khamgaonkar	Admixtures Made Easy	https://youtu.be/LiMXcA7_6E
118	3rd sem		15	Mr. Milind Khamgaonkar	Plastisizers Important Concrete Admixture	https://youtu.be/6UpWgvEb_8k
119	3rd sem		16	Mr. Milind Khamgaonkar	Admixture Air Entraining Water proofing Surface Hardeners	https://youtu.be/O7yMMvR8JKc
120	3rd sem		17	Mr. Milind Khamgaonkar	Concrete mix design-basics	https://youtu.be/JLOKIMr3AKU
121	3rd sem		18	Mr. Milind Khamgaonkar	Understanding Statistical parameters for Mix Design	https://youtu.be/XTuTfWjaK2J0
122	3rd sem		19	Mr. Milind Khamgaonkar	Mix Design as per IS 10262	https://youtu.be/qH5H10uS85s
123	3rd sem		20	Mr. Milind Khamgaonkar	IS-10262-Mix Design Example	https://youtu.be/Bdbu1FE3gE4
124	3rd sem		21	Mr. Milind Khamgaonkar	Roadnote-4 method of Mix Design	https://youtu.be/Gr-kdwo5Dng
125	3rd sem		22	Mr. Milind Khamgaonkar	Various latest Concretes	https://youtu.be/_zLE3HEV9PU
126	3rd sem		23	Mr. Milind Khamgaonkar	Concrete Varieties	https://youtu.be/gLqWtkSEPZ8
127	3rd sem		24	Mr. Milind Khamgaonkar	Special Concrete	https://youtu.be/LFuoGvGK-PI
128	3rd sem		25	Mr. Milind Khamgaonkar	Shrinkage Characteristic with respect to Concrete	https://youtu.be/MFwAgzjgoQ
129	3rd sem		26	Mr. Milind Khamgaonkar	Various Types of Shrinkages	https://youtu.be/YzPr4YRFmbI
130	3rd sem		27	Mr. Milind Khamgaonkar	Concrete Shrinkage Effects & Remedies	https://youtu.be/EmXE74bnOCQ
131	3rd sem		28	Mr. Milind Khamgaonkar	Creep Concept, Causes, Effects	https://youtu.be/IJsbCBR2rEA
132	3rd sem		29	Mr. Milind Khamgaonkar	Concrete Durability	https://youtu.be/KJMDU9EGG18
133	3rd sem		30	Mr. Milind Khamgaonkar	Understanding Permeability relative to Durability	https://youtu.be/us8iFZPW3QA
134	3rd sem		31	Mr. Milind Khamgaonkar	Efflorescence, causes, effects & remedies	https://youtu.be/obg8p7eUO2g
135	3rd sem		32	Mr. Milind Khamgaonkar	Distress, causes & effects in Concrete	https://youtu.be/Gv1KuEEzs4Y
136	3rd sem		33	Mr. Milind Khamgaonkar	Distress, Diagnosis & Repairs	https://youtu.be/D9C9Rch1Aw0
137	3rd sem		34	Mr. Milind Khamgaonkar	Special methods for repairs of Distressed Concrete	https://youtu.be/eVD34o6P9_4
138	3rd sem		35	Mr. Milind Khamgaonkar	Non-destructive testing (NDT)	https://youtu.be/fpSfuH35ats
139	3rd sem		36	Mr. Milind Khamgaonkar	Non-destructive testing (NDT) in Concrete	https://youtu.be/b4213qrnZ0Q
140	3rd sem		37	Mr. Milind Khamgaonkar	Pulse Ultrasonic Testing	https://youtu.be/FKHeeg4krxA
141	3rd sem		38	Mr. Milind Khamgaonkar	Pulse ultrasonic test-exploring pulse ultrasonic test-exploring its limitations & uses	https://youtu.be/cseobOKe7G4



Prof. Amey R. Khedikar
HOD
Civil Engineering Department
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