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Subject Code	Subject	Unit-1	Subtitle	Faculty Name/Desig./email id/ mob.no	Video Link (Google drive)	QR Code
CE8591	Foundation Engineering	Unit -1 site investigation and selection of foundation	1) Site investigation and types of soil exploration	Prof. T. Seethalakshmi, APCE seethalakshmi@gcetly.ac.in 9976725321	https://drive.google.com/file/d/1a_gc3QNL891ba5TwRyjOazvUSmE2m9-dN/view?usp=sharing	
			2) Methods of soil exploration		https://drive.google.com/file/d/1oQS7a-TjFrjgIu_eLo_1ToliMaDxj1V/view?usp=sharing	
			3). Methods of soil exploration		https://drive.google.com/file/d/1XM1M3njBpn5oWcR7aSScjK1rJDJsBjXi/view?usp=sharing	
CE8591	Foundation Engineering	Unit 1 site investigation and selection of foundation	4) Sampling methods	Prof. M.Sasi Rekha, APCE sasirekha@gcetly.ac.in 9500749914	https://drive.google.com/file/d/1NIzS1sCyJIIMzRYxzhSk4w04gtNaJ_U/view?usp=sharing	
			5) Types of samplers		https://drive.google.com/file/d/14T6_7M4GBFGSV2SGOk2AjinFKbzbzVp/view?usp=sharing	
			6) Standard penetration test	Prof. T. Seethalakshmi, APCE seethalakshmi@gcetly.ac.in 9976725321	https://drive.google.com/file/d/1H3rBR4nOYFxpDhlkiyCm_OEzYQnIRgTo/view?usp=sharing	











			7. Static cone penetration test, bore log and selection of foundation		https://drive.google.com/file/d/15OCEs83byB7RyCuA-HmWy75LhtM4tW43/view?usp=sharing	
	Unit 2 Shallow Foundation		Module 1- Types of foundation, Location and depth of foundation.		https://drive.google.com/drive/folders/1EX1Q6yUWSwa4EwZuWM_ck2Z66_pkf07T?usp=sharing	
			Module 2- Bearing capacity.			
			Module 3- Bearing capacity- Ultimate bearing capacity in cohesive and cohesion less soil and Effect of water table.			
			Module 4- Bearing capacity- Effect of water table			
			Module 5- Bearing capacity- Types of failure, IS codal provisions and bearing capacity from in-situ test [SPT]			
			Module 6- Bearing capacity- Types of failure, IS codal provisions and bearing capacity from in-situ test [SPT& CPT]			
			Module 7- Bearing capacity from plate load test.			
			Module 8- Factors affecting the bearing capacity of soil.			
			Module 9- Contact pressure distribution			
			Module 10- Settlement.			






		Unit 3 Footings and Rafts	Types of Isolated Footings	Prof. T. Seethalakshmi, APCE seethalakshmi@gcetly.ac.in , 9976725321	https://drive.google.com/drive/folders/1zLGI5ztSFH-F08jIPwiXIk3BRQ1Tos-T?usp=sharing	
			Proportioning of Footing 1 – Proportioning of Combined rectangular and trapezoidal footings			
			Proportioning of Footing 2 – Strap footing, Mat Foundation, its types and Floating foundation			
		Unit 4	Module 1 – Module 4	Prof. M.Sasi Rekha, APCE sasirekha@gcetly.ac.in 9500749914	https://drive.google.com/drive/folders/18XWJ39txxuU7KzcFV4Qg4JYtdS8yxtu4?usp=sharing	
		Unit 5	Module 1 to Module 4	Prof. T. Seethalakshmi, APCE seethalakshmi@gcetly.ac.in , 9976725321	https://drive.google.com/drive/folders/17A7-ypT_g_F2ElgUIsYFSBieXGP--IW?usp=sharing	
		Unit-1 Fundamentals of GIS	Topic 1- Introduction to GIS Topic 2- Coordinate system, definition and components of GIS Topic 3- Types of data and GIS software	Mr. B. Venkatesh/ AP/ tskbvenkat@gmail.com, 8870542624	https://drive.google.com/drive/folders/1j3Zyp4xxB19Wpt12hB4c6Kqb5HHLpMge	
Unit - 2	Module 1 – Module 3	https://drive.google.com/drive/folders/1rLxppMLMTlx6aTAa5QaZSmNa_eLUnDd				
Unit - 3	Module 1 & Module 2	https://drive.google.com/drive/folders/1eqVNB8GxcxokDL826cGgoVgwhgbTZ1u				
GI8014	Geographic Information System					


		Unit - 4	Module 1		https://drive.google.com/drive/folders/1gRmpW3hnV9nmzFToqSW3VF0Ncg4-BY	
		Unit - 5	Module 1		https://drive.google.com/drive/folders/1TAkrOB0Z8kUORxUJ6nwCIIo4Z6Nq6XhF	
CE8501	Design of Reinforced Cement Concrete Elements	Unit 1 Introduction	Objective of structural design- Steps in RCC Structural Design Process- Type of Loads on Structures and Load combinations- - Concept of Working Stress Method, Ultimate Load Design and Limit State Design Methods for RCC – Properties of Concrete and Reinforcing Steel - - Limit State philosophy as detailed in IS code - Advantages of Limit State Method over other methods -	Mr. E. Mohamed Najeed/ AP/ najeed@gcetly.ac.in, 9486909902	https://drive.google.com/file/d/1xTeAdfWoRjRzQW2F2_moeDOcAIp0AL6c/vi ew?usp=sharing	
			Code of practices and Specifications		https://drive.google.com/file/d/149IckZBYHWbwpotUiJTB82g0NvTHReEq/view?usp=sharing	
			Analysis and Design of Singly reinforced Rectangular beams by working stress		https://drive.google.com/file/d/1hrgjerhcCPMpZKDR6m_pq1S	






			method		UCyu1U2MW/view?usp=sharing			
			Analysis and design of singly reinforced rectangular beams		https://drive.google.com/file/d/1ywm6keBSfpy2B4UtDTNhpuC1f5VEmja/view?usp=sharing			
			Doubly reinforced rectangular beams by Limit State Method.		https://drive.google.com/file/d/1HMCpbYOBLR4Ow98CVqFnFt1SuE9ez1M4/view?usp=sharing			
				Unit 2	Design of beams	Mr. M. Mohamed Younus/ AP/ mohamedyounus@gcetly.ac.in, 9751889826	https://qr.go.page.link/AomGm	
				Unit 3	Design of slab and staircase		https://qr.go.page.link/7i22j	
				Unit 4	Design of columns		https://qr.go.page.link/wv9sc	
				Unit 5	Design of footings		https://qr.go.page.link/qRPa9	
		CE8011	Design of Pre-stressed Concrete Structures	Unit - 1	Introduction - Theory and behavior, Analysis of PSC sections - stress concept, Analysis of PSC sections - strength concept, Analysis of PSC sections –load balancing concept, Effect of loading on the tensile stresses in tendons, Short term deflection of PSC members, Long term deflection of PSC members, Losses of prestress, Estimation	Dr.M.Murugan, AP, murugan@gcetly.ac.in Mobile : 9842282191	https://drive.google.com/drive/folders/1oelTqS_VOhO369avgmFNL_SMe0nWw4fBk?usp=sharing	





			of crack width.			
		Unit - 2	Design of PSC members for flexure and shear, Design of PSC members for flexure		https://drive.google.com/drive/folders/1z9bbdPiPyroGZsRWNrElq4dVEG8ccjDi?usp=sharing	
		Unit - 3	Short term deflection of PSC members, Long term deflection of PSC members, Design of anchorage zone reinforcement		https://drive.google.com/drive/folders/1DQ3uxJFOSn75TW80BiJXXDwAvSo3VFtv?usp=sharing	
		Unit 4	Analysis of PSC composite beams		https://drive.google.com/drive/folders/1dqO8E7ef8Su5OsN35Dn_kZz7Zyb5cOE?usp=sharing	
			Analysis of PSC continuous beams			
		Unit 5	Design of tension members		https://drive.google.com/drive/folders/1Txcec696QdXtd63AKVP4Sb5muxrGUsYm?usp=sharing	
			Design of compression members			
			Design of prestressed concrete cylindrical water tanks			
			Design of prestressed pipes			
			Design of PSC poles			
			Partial Prestressing			
<i>OTT752</i>	Textile effluent treatments	Unit - 1	Lect01- An Introduction to Textile Wet Processing	Mr. M. ImmanuvelPalies/ TAP/civil, immanpalies@gmail.com 9787655082	https://youtu.be/fJim2wRaFQ	

			Lect.02 – Constituents of water and their effects on textile processing		https://youtu.be/ QZllf64WAVQ	
			Lect.03 – Effluent discharge standards		https://youtu.be/ 99kuzC2lxIM	
	Unit -2	Lect01- Characteristics and treatment of cotton processing		https://youtu.be/o U3jIuDh6Ic		
Lect.02 – Characteristics and treatment of wool and synthetic processing			https://youtu.be/V zKE7w4DxOg			
Lect.03 – Primary treatment methods			https://youtu.be/- aWaf2SMzQA			
	Unit -3	Lect01- Secondary Treatment Methods, Trickling Filter		https://youtu.be/e UOP4eO1GvM		
Lect.02 – Activated Sludge Process			https://youtu.be/F0 wSvo4juPM			
Lect.03 – Aerated Lagoons, Secondary Sedimentation, Oxidation Ponds			https://youtu.be/a G7ZFCoonLE			
	Unit 4	Lect.01 -Tertiary Treatment - Evaporation		https://drive.goog le.com/drive/fold ers/1R7xD06EdF G8CPnigvmBAn xC6EJLZY-Vt		
Lect. 02 -Tertiary Treatment – AOP, ACP, Ion Exchange						
Lect. 03 -Tertiary Treatment – Membrane Technology						
	Unit 5	Lect. 01 –Air pollution, Properties of air pollutants		https://drive.goog le.com/drive/fold ers/1F2PSxBkyk		

			Lect. 02 –Air pollution Control Equipment		pvXa1JCGtVLkzi9F7qGvtJI	
			Lect. 03 –Noise pollution Types and Control			
OCE55 1	Air pollution and control Engineering	Unit – 1 Introduction	Sources of air pollution and classification of air pollutant, Effect of air pollution on human being, vegetation and material	Dr. S. Sidhardhan / HOD/civil &Ms. J. Jayasurya/ TAP, sidhardhan@getly.ac.in, 9443507459	https://drive.google.com/file/d/1fo7daEPH2v01B2brSsi3_Xk_oQfRdkvw/view?usp=sharing	
		Unit – 2 Meteorology	Effects of meteorology on air pollution , Atmospheric stability, Plume behavior and dispersion model.		https://drive.google.com/file/d/1dBMPIrgByHesnq_4KQh0yECqafJLkj0Q/view	
		Unit – 3 Control of Particulate pollutant	Gravity settling chamber and Cyclone separator		https://drive.google.com/file/d/1VVzDmDlxc65rWJrTZKe5PaXvfJMu3BWe/view?usp=sharing	
			Electrostatic precipitator		https://drive.google.com/file/d/1UzYwQlvtTlRagyxPBg-D2hs6cUZ3RIGA/view	
		Unit -4 Control of Gaseous pollutant	Absorption, Adsorption, Condensation, Incineration and bio filters		https://drive.google.com/drive/u/2/folders/1_DItf8WhhYe2QuJP7he5qe5F-YgS1IUD	

		Unit -5 Indoor air pollution and Noise pollution	Indoor Air pollution, Sick building syndrome, Noise pollution source, effect and control.		https://drive.google.com/drive/u/2/folders/1igBOS9cJoU0QHIM4uXGd0-YwhCJoA-dc	
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Subject Code	Subject	Unit	Title	Faculty Name/Desig./ email id/ mob.no	Video Link, (Google drive)	QR Code
CE849 1	Soil Mechanics	Unit 1	SOIL CLASSIFICATION AND COMPACTION	Tmt.M.SasiRekha , APCE, 9500749914, sasirekha@gcetly.ac.in	https://drive.google.com/drive/folders/1wYGsG31jrGu8oXxgyC_ZRCIj9Z4EhxY?usp=sharing	
		Unit 2	EFFECTIVE STRESS AND PERMEABILITY		https://drive.google.com/drive/folders/1e3fPY5lwHXE45cKo-m1nEgVtLenezvkl?usp=sharing	
		Unit 3	STRESS DISTRIBUTION AND SETTLEMENT		https://drive.google.com/drive/folders/1rqa1MaaP8i8IXgbg85so4mHpAvmZKnuq?usp=sharing	
		Unit 4	SHEAR STRENGTH		https://drive.google.com/drive/folders/1V5D3vuOECmdQD9b5UgrSmuekt-8sTUsk?usp=sharing	
		Unit 5	SLOPE STABILITY		https://drive.google.com/drive/folders/1Gl4szNw7hyTLYpvMuorMop1j	

					R7nDu3bu?usp=sharing	
CE8601	Design of Steel Structural Elements	Unit 1	INTRODUCTION AND ALLOWABLE STRESS DESIGN	M. Mohamed Younus, APCE mohamedyounus@gcetly.ac.in 9751889826	https://drive.google.com/drive/folders/1T2VJkzBfi8CZM8qFY_HZd9dQkf-pavHO?usp=sharing	
		Unit 2	CONNECTIONS IN STEEL STRUCTURES		https://drive.google.com/drive/u/2/folders/1WRJXFzVoax252l4Ujl5FC24a8Kqkj_k_c	
		Unit 3	TENSION MEMBERS	P. Ulagambika, TAPCE, ambika5545@gmail.com , 9384552248	https://drive.google.com/drive/u/2/folders/11Dq-RG1yLRdoHrAlrKA_V4cKkBOYTkM1	
		Unit 4	COMPRESSION MEMBERS	M. Mohamed Younus, APCE mohamedyounus@gcetly.ac.in 9751889826	https://drive.google.com/drive/folders/14aFdIXg94M8IOcMveQMU4EcqM3lMLPPd?usp=sharing	
		Unit 5	DESIGN OF FLEXURAL MEMBERS		https://drive.google.com/drive/folders/15MvbG GhMhIQQeTlaQa7gcK4inCDjx sV?usp=sharing	