

President

Secretary

Amar Sewa Mandal's GOVINDRAO WANJARI COLLEGE OF ENGINEERING & TECHNOLOGY

148/149, SalaiGodhani, Near Chikna Village, Hudkeshwar Road, Nagpur – 441204

Ph - 7823850876 / 9307464978



Email - gwcet@rediffmail.com Website: www.gwcet.ac.in

Treasurer

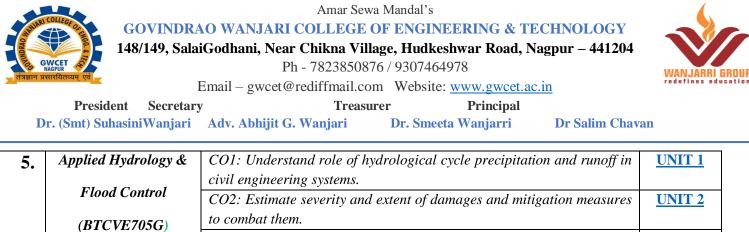
Dr. (Smt) SuhasiniWanjari Adv. Abhijit G. Wanjari Dr. Smeeta Wanjarri Dr Salin

Dr Salim Chavan

Principal

DEPARTMENT OF CIVIL ENGINEERING <u>B TECH 7Th SEMESTER</u> LEARNING MANAGEMENT SYSTEM (LMS)

S.N	NAME OF SUBJECT	CO'S	NOTES
1.	Design of Reinforced &Prestressed Concrete	CO1: Able to identify the behavior, analyze and design of the beam sections subjected to torsion.	<u>UNIT 1</u>
	Structures (BTCVC701)	CO2: Able to analyze and design of axially and eccentrically loaded column and construct the interaction diagram for them.	<u>UNIT 2</u>
	(BICVC/01)	CO3: Understand various concepts, systems and losses in pre- stressing.	<u>UNIT 3</u>
		CO4: Understand various concepts, systems and losses in pre- stressing.	<u>UNIT 4</u>
		CO5: Able to analyze and design the rectangular and symmetrical I- section pre-stressed beam/girders.	<u>UNIT 5</u>
2.	Infrastructure Engineering	CO1: Know about the basics and design of various components of railway engineering	<u>UNIT 1</u>
	(<i>BTCVC702</i>)	CO2: Understand the types and functions of tracks, junctions and railway stations.	UNIT 2
		CO3: Able to understand Airport engineering and Docks & Harbours. CO4: Know about the aircraft characteristics, planning and	<u>UNIT 3</u> <u>UNIT 4</u>
		<i>components of airport.</i> <i>CO5: Understand the types and components of docks and harbors.</i>	UNIT 5
3.	Construction Techniques	CO1: Understand the planning of new project with site accessibility and services required.	<u>UNIT 1</u>
	(BTCVC703)	<i>CO2: Comprehend the various civil construction equipment's.</i>	<u>UNIT 2</u>
		CO3: Familiar with layout of RMC plant, production, capacity and operation process.	<u>UNIT 3</u>
		CO4: Understand the prefabricated construction.	<u>UNIT 4</u>
	Professional Practices	CO4: Recognize various aspect of road construction, construction of diaphragm walls, railway track construction etc.	UNIT 5
4.	(BTCVC704)	<i>CO1:</i> Understand the importance of preparing the types of estimates under different conditions for various structures. Understand and write the specification of the works	<u>UNIT 1</u>
		CO2:Know about the rate analysis and bill preparations and to study about the specification writing	<u>UNIT 2</u>
		CO3: prepare the tender documents and make use of knowledge of different tender submission & opening in awarding the work to the contractor.	<u>UNIT 3</u>
		CO4: Know the various types of contracts, accounts in PWD, methods for initiating the works in PWD and tendering.	<u>UNIT 4</u>
		CO5: Understand the valuation of land and buildings, various methods and factors affecting valuation.	<u>UNIT 5</u>



(<i>BTCVE705G</i>)	to combat them.	
(220,22,000)	CO3: Understand the climate system, being aware of the impact of	<u>UNIT 3</u>
	climate change on society	
	CO4: Understand the hydrologic extremes of floods.	<u>UNIT 4</u>
	CO5: Understand the concept of flood control management in the field	<u>UNIT 5</u>
	of civil engineering.	