

HASMUKH GOSWAMI COLLEGE OF ENGINEERING, VAHELAL

SYLLABUS FOR MID SEM EXAM-SEPT-2018

COMPUTER ENGINEERING-INFORMATION TECHNOLOGY

SEM	Sub Code	Subject	Unit No (GTU Syllabus)	Unit Name(GTU Syllabus)
7TH	2170701	COMPILER DESIGN	1,2,3,5,7	Unit 1 : Introduction Unit 2: Lexical Analyzer Unit 3:Parsing Theory Unit 5: Intermediate Code Generation Unit 7: Code Optimization
	2170709	INFORMATION AND NETWORK SECURITY	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8
	2170710	MOBILE COMPUTING AND WIRELESS COMMUNICATION	1,2,3,5	1,2,3,5
	2170715	DATA MINING AND BUSINESS INTELLIGENCE	1,2,3,4,5,8	Unit 1(Overview and Concepts Data Warehoising and Business Intelligence) Unit 2(The Architechture of BI and DW) Unit 3 (Introduction to Data Mining) Unit 4(Data Pre-Processing) Unit 5(Concept Description and Association Rule Mining) Unit 8(Advance Topics)
	2170714	DISTRIBUTED DBMS	1,2,3,4,5,6,7	Unit 1: Introduction Unit 2: Overview of RDBMS Unit 3: Distributed DBMS Architecture Unit 4: Data Distribution Alternatives Unit 5: Semantic Data Control Unit 6: Query Processing Unit 7: Optimization of Distributed Queries
SEM	Sub Code	Subject	Unit No (GTU Syllabus)	Unit Name(GTU Syllabus)
5TH	2150703	ANALYSIS AND DESIGN OF ALGORITHM	1,2,3,4,5,6	Unit 1 : Basics of Algorithm and Mathematics Unit 2 : Analysis of Algorithm Unit 3 : Divide and Conquer Unit 4 : Dynamic Programming Unit 5 : Greedy Algorithm Unit 6 : Exploring Graphs
	2150704	OBJECT ORIENTED PROGRAMMING WITH JAVA	1,2,3,4,5,6,7,11,12,13,14,15	Unit 1:Basics of Java: Unit 2:Array and String Unit 3:Classes, Objects and Methods: Unit 4:Inheritance and Interfaces Unit 5:Package: Unit 6:Exception Handling Unit 7:Multithreaded Programming: Unit 11:Introduction to Object orientation Unit 12:Class Modeling Unit 13:Advanced class Modeling Unit 14:State modeling Unit 15:Interaction Modeling
	2150707	MICRO PROCESSOR AND INTERFACING	1,2,3,4,5,6,7,8	UNIT: 1 TO UNIT:7 AND UNIT: 8 8086 MICROPROCESSOR AND 80286 MICRO PROCESSOR BLOCK DIAGRAM, FLAG REGISTERS, ADDRESSING MODES ONLY
	2150708	SYSTEM PROGRAMMING	1,2,3,4,5,6	Unit 1: Overview of System Software Unit 2: Overview of Language Processors Unit 3: Assemblers Unit 4: Macro and Macro Processors Unit 5: Linkers and Loaders Unit 6: Scanning and Parsing
	2151603	COMPUTER GRAPHICS	1,2,3,5,6	Unit1: Basics of CG, Unit2: Graphics Primitives, Unit 3: 2D transformation and viewing, Unit 5: 3D transformation and viewing, Unit 6: Advance topics
SEM	Sub Code	Subject	Unit No (GTU Syllabus)	Unit Name(GTU Syllabus)
3RD	2130002	ADVANCED ENGINEERING MATHEMATICS	2,3,5	Unit 2: FOURIER SERIES AND FOURIER INTEGRAL, Unit 3: ORDINARY DIFFERENTIAL EQUATION (UP TO LAST LECTURE), Unit 5: LAPLACE TRANSFORM
	2130004	ENGINEERING ECONOMICS AND MANAGEMENT	1,2,3,4,5	Unit 1(A) Introduction to Economics Unit 1(B) Theory of Demand and Supply Unit 2(A) Theory of Production Unit 2(B) Cost and Cost Concept Unit 3(A) Market Unit 3(B) National Income Unit 4 Basic Economic Problem:Poverty, Unemployment, Inflation Unit 5(A) Money Unit 5(B) Banking
	2130702	DATA STRUCTURE	1,2,3	Unit 1: INTRODUCTION TO DATA STRUCTURE, Unit 2: LINEAR DATA STRUCTURE, Unit 3: NONLINEAR DATA STRUCTURE
	2130703	DATABASE MANAGEMENT SYSTEM	1,2,3,6,8	Unit 1: Introductory concepts of DBMS Unit 2: Relational Model Unit 3: Entity Relationship Model Unit 6: Transaction Management Unit 8: SQL Concepts
	2131004	DIGITAL ELECTRONICS	1,2,3,8,9	Unit 1: Binary Systems and Logic Circuits Unit 2: Boolean Algebra and Mapping Methods Unit 3: Logic Function Realization with MSI Circuits Unit 8: Logic Families Unit 9: Programmable Logic Devices
SEM	Sub Code	Subject	Unit No (GTU Syllabus)	Unit Name(GTU Syllabus)
3RD PG	2730208	CLOUD COMPUTING	1,2,3,4,5,6	Introduction to Cloud Computing Cloud Architecture, Services and Applications Abstraction and Virtualization Cloud Infrastructure and Cloud Resource Management Cloud Security Cloud Based Case-Studies