

Academic Lesson Plan of Summer 2022-23

Department of Information Technology

Subject:DATABASE MANAGEMENT SYSTEM

Department : Information Technology			Semester : 4th	Name of the teaching faculty: Archana Tripathy
Month	Date	WEEK	Periods	Semester from :10.03.22 to 10.6.22
				No.of Periods/Week-04
				No. of Weeks:15 Weeks
				Total periods-60
				Topics to be covered:
MARCH	10.03.22	1ST	1	BASIC CONCPETS OF DBMS
	12.03.22		2	Purpose of database Systems
	14.03.22		3	Explain Data abstraction
	16.03.22		4	Continue
	17.03.22	2ND	5	Database users
	19.03.22		6	Data definition language
	21.03.22		7	Continue
	23.03.22		8	Data Dictionary
	24.03.22	3RD	9	REVISION
	26.03.22		10	DATA MODELS
	28.03.22		11	Data independence
	31.03.22		12	Entity relationship models
Total Classes in MARCH			12	
APRIL	2.04.22	4TH	1	Entity sets and Relationship sets
	4.04.22		2	Explain Attributes
	5.04.22		3	Mapping constraints
	6.04.22		4	Continue
	7.04.22		5	E-R Diagram
	9.04.22	5TH	6	Continue
	11.04.22		7	Relational model
	12.04.22		8	Continue
	13.04.22		9	Hierarchical model
	16.04.22	6TH	10	Continue
	18.04.22		11	Network model
	20.04.22		12	Continue
	21.04.22	7TH	13	REVISION
	23.04.22		14	RELATIONAL DATABASE,Relational algebra
	23.04.22		15	Different operators select, project, join , simple Examples
	25.04.22		16	different types of join , simple Examples
	27.04.22		17	REVISION
	28.04.22	8TH	18	Normalization in Relational System
	30.04.22		19	Different Types of Normalization 1NF,2NF
Total Classes in APRIL			19	
	2.05.22		1	3NF,4NF
	4.05.22		2	Functional Dependencies
	5.05.22		3	Continue

MAY	7.05.22	9TH	4	Lossless join
	9.05.22		5	Compare First second and third normal forms
	10.05.23		6	STRUCTURED QUERY LANGUAGE
	11.05.23		7	Elementary idea of Query language
	12.05.22		8	Queries in SQL
	14.05.22	10TH	9	Queries in SQLwith examples
	17.05.22		10	Simple queries to create, update, insert in SQL
	18.05.22		11	REVISION
	19.05.22		12	TRANSACTION PROCESSING CONCEPTS,Idea about transaction processing
	21.05.22	11TH	13	Continue
	23.05.22		14	Transaction & system concept
	24.05.22		15	Continue
	25.05.22		16	Desirable properties of transaction
	28.05.23	12TH	17	Continue
	31.05.24		18	Schedules and recoverability
Total Classes in MAY			18	
JUNE	1.06.22		1	REVISION
	2.06.23		2	CONCURRENCY CONTROL CONCEPTS, Basic concepts
	4.06.22	13TH	3	Locks, Live Lock, Dead Lock,
	6.06.22		4	Continue
	7.06.22		5	Serializability(only fundamentals)
	9.6.22		6	REVISION
	10.6.22	14TH	7	SECURITY AND INTEGRITY , Authorization and views
	11.6.23		8	Security constraints
	13.6.22		9	Continue
	16.6.22	15TH	10	Integrity Constraints 8.4 Discuss Encryption
	18.6.22		11	REVISION of all topics with Important questionf for Semester exam.
Total class in JUNE			11	

Signature of Academic Co-ordinator

Signature of Sr.Lecturer(I/C)