

Academic Lesson Plan of Summer 2022

Department : CSE	Semester : 4th	Name of the teaching faculty: SWARNALATA SAHOO
Subject: Database Management System	No.of days/per week class allotted 4p/week.	Semester from : 10th MARCH 2022
		No. of weeks:15 weeks
		Topics to be covered:
1 st week	1 st	BASIC CONCPETS OF DBMS
	2 nd	Purpose of database Systems
	3 rd	Explain Data abstraction
	4 th	Database users
2 nd week	1 st	Data definition language
	2 nd	Continue
	3 rd	Data Dictionary
	4 th	DATA MODELS
3 rd week	1 st	Data independence
	2 nd	Entity relationship models
	3 rd	Continue
	4 th	Entity sets and Relationship sets
4 th week	1 st	Explain Attributes
	2 nd	Mapping constraints
	3 rd	E-R Diagram
	4 th	Relational model
5 th week	1 st	Hierarchical model
	2 nd	Network model
	3 rd	RELATIONAL DATABASE
	4 th	Relational algebra
6 th week	1 st	Different operators select, project, join , simple Examples
	2 nd	Different operators select, project, join , simple Examples
	3 rd	Different operators select, project, join , simple Examples
	4 th	Continue
7 th week	1 st	Introduction of NORMALIZATION
	2 nd	Functional Dependencies
	3 rd	Continue
	4 th	Lossless join
8 th week	1 st	Lossless join
	2 nd	Importance of normalization
	3 rd	First normal forms
	4 th	Second normal forms
9 th week	1 st	third normal forms
	2 nd	Explain BCNF
	3 rd	Introduction of SQL
	4 th	Elementary idea of Query language

10th week	1st	Queries in SQL
	2nd	Simple queries to create in SQL
	3rd	Simple queries to insert,alter in SQL
	4th	Simple queries to update in SQL
11th week	1st	Introduction of TRANSACTION PROCESSING CONCEPTS
	2nd	Continue
	3rd	Transaction & system concept
	4th	Continue
12th week	1st	Desirable properties of transaction
	2nd	Continue
	3rd	Schedules and recoverability
	4th	Continue
13th week	1st	Introduction of CONCURRENCY CONTROL CONCEPTS
	2nd	Continue
	3rd	Locks, Live Lock, Dead Lock
	4th	Continue
14th week	1st	Serializability
	2nd	Introduction of SECURITY AND INTEGRITY
	3rd	Authorization and views
	4th	Continue
15th week	1st	Security constraints
	2nd	Integrity Constraints
	3rd	Discuss Encryption
	4th	REVISION of all topics with Semister Question

J. Lakshmi
09/03/22
Signature of Faculty

S. Pravin
09/03/2022
HOD
Sr. Lecture, CSE