

PNS SCHOOL OF ENGINEERING & TECHNOLOGY
Lesson Plan of Summer 2023

Department : CSE	Semester : 4th	Name of the teaching faculty: Er.JYOTSNAMAYEE BISWAL
Subject: Database Management System	No.of days/per week class allotted 5p/week.	Semester from : 13/02/2023
		No. of weeks:15 weeks
		Topics to be covered:
1 st week	1st	BASIC CONCPETS OF DBMS
	2nd	Purpose of database Systems
	3rd	
	4th	
	5th	Database users
2 nd week	1st	Data definition language
	2nd	Continue
	3rd	Data Dictionary
	4th	DATA MODELS
	5th	Doubt Clearing Class
3 rd week	1st	Data independence
	2nd	Entity relationship models
	3rd	Continue
	4th	Entity sets and Relationship sets
	5th	Question Answer Discussion
4 th week	1st	Explain Attributes
	2nd	Mapping constraints
	3rd	E-R Diagram
	4th	Relational model
	5th	Class test
5 th week	1st	Hierarchical model
	2nd	Network model
	3rd	RELATIONAL DATABASE
	4th	Relational algebra
	5th	Internal Exam
	1st	Different operators select, project, join , simple Examples

6 th week	2nd	Different operators select, project, join , simple Examples
	3rd	Different operators select, project, join , simple Examples
	4th	Continue
	5th	Doubt Clearing Class
	1st	Introduction of NORMALIZATION
7 th week	2nd	Functional Dependencies
	3rd	Continue
	4th	Lossless join
	5th	Question Answer Discussion
	1st	Lossless join
8 th week	2nd	Importance of normalization
	3rd	First normal forms
	4th	Second normal forms
	5th	Class test
	1st	third normal forms
9 th week	2nd	Explain BCNF
	3rd	Introduction of SQL
	4th	Elementary idea of Query language
	5th	Doubt Clearing Class
	1st	Queries in SQL
10 th week	2nd	Simple queries to create in SQL
	3rd	Simple queries to insert,alter in SQL
	4th	Simple queries to update in SQL
	5th	Question Answer Discussion
	1st	Introduction of TRANSACTION PROCESSING CONCEPTS
11 th week	2nd	Continue
	3rd	Transaction & system concept
	4th	Continue
	5th	Class test
	1st	Desirable properties of transaction
12 th week	2nd	Continue
	3rd	Schedules and recoverability
	4th	Continue

	5th	Doubt Clearing Class
13 th week	1st	Introduction of CONCURRENCY CONTROL CONCEPTS
	2nd	Continue
	3rd	Locks, Live Lock, Dead Lock
	4th	Continue
	5th	Doubt Clearing Class
	14 th week	1st
2nd		Introduction of SECURITY AND INTEGRITY
3rd		
4th		Authorization and views
5th		Authorization and views
15 th week	1st	Security constraints
	2nd	Integrity Constraints
	3rd	Discuss Encryption
	4th	REVISION of all topics with Semester Question
	5th	