GANDHI ACADEMY OF TECHNOLOGY AND ENGINEERING, GOLANTHARA, BERHAMPUR (761008)				
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING				
LESSON PLAN				
DISCIPLINE:-CSE				
SEMESTER:-1ST	**FROM DATE :-04.02.2025**		**TO DATE:- 17.05.2025**	
Name of Teaching Faculty: Rama Krushna Padhy				
SUBJECT:- Database Management System				
NO.OF PERIOD/PER WEEK CLASS ALLOTTED:-4				
TOTAL NO. OF CLASS AVAILABLE IN SEM:-55				
SL NO.	**WEEK**	**CLASS DATE**	**NO. OF CLASS/DAY**	**TOPICS**
1	Week-01	04.02.2025	1	What is data and information
		07.02.2025	1	Define database
		08.02.2025	1	What is database and advantages of Database
2	Week-02	10.02.2025	1	What is database and advantages of Database
		12.02.2025		**HOLIDAY**
		14.02.2025	1	Users of DBMS
		15.02.2025	1	Continue the last lecture
3	Week-03	17.02.2025	1	Data Definition language
		19.02.2025		**HOLIDAY**
		21.02.2025	1	Classification of DDL
		22.02.2025	1	Data Dictionary
4	Week-04	24.02.2025	1	What is Data Independence
		26.02.2025		**HOLIDAY**
		28.02.2025	1	What is logical and physical data independence
		01.03.2025	1	Three schema architecture
5	Week-05	03.03.2025	1	Understand all three layer
		05.03.2025	1	Logical and physical tiers of 3 schema architecture

		07.03.2025	1	External layer or tier of 3 schema architecture
		08.03.2025	1	E R model, what is the need of this model
6	Week-06	10.03.2025	1	Define Entity and attribute
		12.03.2025	1	Types of relationship among entities
		13.03.2025	1	What is degree and cardinality in relationship
		15.03.2025	1	Weak and strong entity
7	Week-07	17.03.2025	1	Continue the last lecture
		19.03.2025	1	Convert ER model into relational table
		21.03.2025	1	Example or ER model into DB table
		22.03.2025	1	Relationship model
8	Week-08	24.03.2025	1	Types of relationship model in DBMS
		26.03.2025	1	Hierarchical and network model
		28.03.2025	1	What is relational database
		29.03.2025	1	What is key and what are different key present in DB
9	Week-09	01.04.2025	1	Primary key, Foreign key
		02.04.2025	1	Candidate Key, Super Key
		04.04.2025	1	Relational algebra
		05.04.2025	1	Nee of it and all types discuss
10	Week-10	07.04.2025	1	Different operations of relational algebra
		07.04.2025	**1**	Select, Project, Simple
		11.04.2025	1	Showing with some examples
		12.04.2025	1	Continue the last lecture
11	Week-11	14.04.2025		HOLIDAY
		16.04.2025	1	What is normalization
		18.04.2025		HOLIDAY
		19.04.2025	1	Need of normalization in DBMS
12	Week-12	21.04.2025	1	What is functional Dependency
		23.04.2025	1	With one example how to find functional dependency

		25.04.2025	1	1NF with example
		26.04.2025	1	2NF with example
13	Week-13	28.05.2025	1	2NF with example
		30.05.2025	1	Example showing 3NF
		02.05.2025	1	Conditions showing for 3NF and BCNF
		03.05.2025	1	Example showing BCNF
14	Week-14	05.05.2025	1	What is SQL and need of SQL
		07.05.2025	1	Classification of SQL: DDL DML DCL
		09.05.2025	1	Explain in detail DDL and queries
		10.05.2025	1	Explain in detail DML and queries
15	Week-15	12.05.2025		**HOLIDAY**
		14.05.2025	1	What is Transaction in DBMS
		16.05.2025	1	ACID property in DBMS
		17.05.2025	1	Basic concept of locks and deadlocks