LESSON PLAN:		
Discipline: **CSE**	Semester: **4th**	Name of the Teaching Faculty: **AJAY KUMAR PANDA**
Subject: **Data Base Management System**	No. Of Days/per week class allotted: **4 periods per week** **(Tues, Wed ,Thus & Sat-1 period each)**	Semester: **From Date:14-02-2022 To Date:23-05-2023** **No. Of Weeks: 15weeks**
WEEK	**CLASS DAY**	**THEORY TOPICS**
1st	14-02-2023	Syllabus Overview Introduction of DBMS.
	15-02-2023	1.0 BASIC CONCPETS OF DBMS 1.1 Purpose of database Systems
	16-02-2023	1.2 Explain Data abstraction
2nd	21-02-2023	1.3 Database users
	22-02-2023	1.4 Data definition language 1.5 Data Dictionary
	23-02-2023	2.0 DATA MODELS 2.1 Data independence
	25-02-2023	2.2 Entity relationship models
3rd	28-02-2023	2.3 Entity sets and Relationship sets **Revision Cum Assignment**
	01-03-2023	2.4 Explain Attributes 2.5 Mapping constraints
	02-03-2023	2.6 E-R Diagram
	04-03-2023	2.7 Relational model
4th	09-03-2023	2.8 Hierarchical model
	11-03-2023	2.9 Network model
5th	14-03-2023	3.0 RELATIONAL DATABASE 3.1 Relational algebra
	15-03-2023	3.1 Relational algebra
	16-03-2023	3.2 Different operators select, project, join , simple Examples
	18-03-2023	3.2 Different operators select, project, join , simple Examples
6th	21-03-2023	3.2 Different operators select, project, join , simple Examples **Revision Cum Assignment**
	22-03-2023	**CLASS TEST**
	23-03-2023	4.0 NORMALIZATION IN RELATIONAL SYSTEM 4.1 Functional Dependencies
	25-03-2023	4.2 Lossless join 4.3 Importance of normalization
7th	28-03-2023	First & Second Normal Forms
	29-03-2023	Third Normal Form
8th	04-04-2023	4.4 Compare 1^{st},2^{nd}, 3^{rd} normal forms

	05-04-2023	4.5 Explain BCNF, **Assignment**
	06-04-2023	5.0 STRUCTURED QUERY LANGUAGE 5.1 Elementary idea of Query language
	08-04-2023	5.2 Queries in SQL
9th	11-04-2023	5.3 Simple queries to create, update, insert in SQL
	12-04-2023	5.3 Simple queries to create, update insert in SQL
	13-04-2023	5.3 Simple queries to create, update insert in SQL
	15-04-2023	**Assignment**
10th	18-04-2023	6.0 TRANSACTION PROCESSING CONCEPTS 6.1 Idea about transaction processing,
	19-04-2023	6.2 Transaction & system concept
	20-04-2023	6.2 Transaction & system concept
	22-04-2023	6.3 Desirable properties of transaction
11th	25-04-2023	6.3 Desirable properties of transaction with Examples.
	26-04-2023	6.4 Schedules and recoverability
	27-04-2023	6.4 Schedules and recoverability
	29-04-2023	6.4 Schedules and recoverability(Examples)
12th	02-05-2023	7.0 CONCURRENCY CONTROL CONCEPTS 7.1 Basic concepts
	03-05-2023	7.2 Locks, Live Lock, Dead Lock,
	04-05-2023	7.2 Dead Lock
	06-05-2023	7.2 Dead Lock WITH EXAMPLES
13th	09-05-2023	7.3 Serializability (only fundamentals
	10-05-2023	7.3 Serializability (only fundamentals)
	11-05-2023	8.0 SECURITY AND INTEGRITY 8.1 Authorization and views
14th	16-05-2023	8.2 Security constraints
	17-05-2023	8.3 Integrity Constraints
	18-05-2023	8.4 Discuss Encryption
	20-05-2023	8.4 Discuss Encryption **Revision Cum Assignment**
15th	23-05-2023	Doubt Clearing Class