Lesson Plan (February 2024)

Name of the Teacher: Er. Hem Raj   Subject :Introduction to DBMS   Class :Computer Engg. 4th Sem.

S No.	Month	Week	Date	Name of Unit	Contents to be taught	Remarks
1	Feb	2	8	Unit-1: Introduction to Database Systems	Database systems and its purpose	
2	Feb	3	13,14,15,17	-Do-	Database systems and its purpose, Advantages & disadvantages of database systems, Comparison of database approach	
3	Feb	4	20,21,22	Unit 1 –Introduction, Unit-2 Database system concepts and architecture	classification of users, Role of DBA, Data Models, Schemas, Instances	24- G.Holiday
3	Feb	5	27,28,29	Unit-2 Database system concepts and architecture, Unit-3 Relational Model	DBMS Architecture, The External level, The conceptual level, The internal level, Mappings ,	

Lesson Plan   (March 2024)

Sr no	Month	Week	Date	Name of Unit	Contents to be taught	Remarks
1	March	1	2	Unit -2 Database system concepts and architecture,	Data Independence,	
2	March	2	5,6,7	Unit-3 Relational Model	Relational Database Model, Relations, Attributes, Tuples, Domains	9-G.Holiday
3	March	3	12,13,14,16	Unit-3 Relational Model	Key - Primary Key, Candidate Keys, Alternate Keys, Super key, Secondary Key, Foreign Keys	
4	March	4	19,20,21,23	Unit-3 Relational Model, Unit-4 E-R Model	Database Constraints, Entity, Entity Set, Strong and weak entities,	
5	March	5	26,27,28,30	Unit-4 E-R Model, Unit-5 SQL Using MySQL	Relationships, ER Diagrams Object Naming Conventions, Keywords, Database, Table, View	

Lesson Plan (April 2024)

Sr No	Month	Week	Date	Name of Unit	Contents to be taught	Remarks
1	April	1	2,3,4,6	Unit-5 SQL Using MySQL	Index, Alias; Data Types – Numeric, Date and Time, String Types; Data Definition Language(DDL): CREATE, DROP, ALTER, RENAME, Data Manipulation Language(DML): INSERT, UPDATE , DELETE, SELECT, SELECT Clauses: FROM, WHERE,ORDER BY, GROUP BY, HAVING,	11, 13- G.Holiday
2	April	2	9,10	-Do-	Operators: Arithmetic, Logical, Relational, String; Joins: Inner, Left, Right and Outer Joins;	
3	April	3	16,17,18,20	-Do-	Subqueries, Set Operations: Union, Intersect, Minus, Data Control Language(DCL): GRANT, REVOKE; Transaction Control Language(TCL): COMMIT, ROLLBACK, SAVEPOINT.	
4	April	4	23,24,25,27	Unit-6 Dependencies & Normalisation	Prime and Non-Prime Attributes, Functional Dependencies, Trivial and Non-trivial Dependencies,	
5	April	5	30	-Do-	Non-Loss Decomposition	