DAV CENTENARY COLLEGE FARIDABAD	
Summary of Lesson Plans of College Faculty	
Name of Asst/Associate Prof	Ms. Tanu(A), Ms. Sarika(B), Ms. Pinky (C), Mr. Dinesh (D)
Class & Section:	BCA-3rd SEMESTER
Subject:	Database Management System
Academic Session 2023-2024 Odd Sem	

	Date	Topics to be covered
Week 1	7/21/2023	Basic Concepts – Data, Information, Records and files.
	7/22/2023	Traditional file –based Systems-File Based Approach-Limitations of File Based Approach
	7/23/2023	**Sunday**
	7/24/2023	Database Approach-Characteristics of Database Approach, advantages and disadvantages of database system
	7/25/2023	components of database system, Database Management System (DBMS), Components of DBMS Environment
	7/26/2023	DBMS Functions and Components
	7/27/2023	DBMS users
	7/28/2023	*Advantages and Disadvantages of DBMS*
	7/29/2023	DBMS languages
WEEK 2	7/30/2023	**Sunday**
	7/31/2023	Roles in the Database Environment - Data and Database Administrator
	8/1/2023	Database Designers, Applications Developers and Users .
	8/2/2023	Unit-2 : Database System Architecture – Three Levels of Architecture, External, Conceptual and Internal Levels
	8/3/2023	Schemas, Mappings and Instances
	8/4/2023	Data Independence – Logical and Physical Data Independence .
	8/5/2023	Classification of Database Management System, Centralized and Client Server architecture to DBMS
WEEK 3	8/6/2023	**Sunday**
	8/7/2023	Difference B/w Centralized and Client Server model
	8/8/2023	Data Models: Records- based Data Models
	8/9/2023	*Object-based Data Models*
	8/10/2023	Hierarhical model,network model
	8/11/2023	Relational Model
	8/12/2023	Physical Data Models and Conceptual Modeling.
WEEK 4	8/13/2023	**Sunday**
	8/14/2023	Class test Unit-1
	8/15/2023	**Independence day**
	8/16/2023	Revision
	8/17/2023	Class test Unit-2
	8/18/2023	Unit - 3 :Entity-Relationship Model
	8/19/2023	*Entity Types, Entity Sets*
WEEK 5	8/20/2023	**Sunday**
	8/21/2023	*Attributes*
	8/22/2023	**Relationship Types,Relationship Instances**

	8/23/2023	*ER Diagrams - Symbals and Notation Used*
	8/24/2023	ER Diagram of An organization
	8/25/2023	ER Diagram of College Information System
	8/26/2023	Abstraction,Integation,Generalization & Specilization
WEEK 6	8/27/2023	**Sunday**
	8/28/2023	*Basic Concepts of Hierarchical and Network Data Model*
	8/29/2023	*Relational Model Terminology-Relational Data Structure, Database Relations,*
	8/30/2023	**Rakhi**
	8/31/2023	Properties of Relations
	9/1/2023	Contd.
	9/2/2023	Contd.
WEEK 7	9/3/2023	**Sunday**
	9/4/2023	Keys
	9/5/2023	Contd.
	9/6/2023	**Jananashtmi**
	9/7/2023	*Domains*
	9/8/2023	Contd.
	9/9/2023	Integrity Constraints over Relations
WEEK 8	9/10/2023	**Sunday**
	9/11/2023	Contd.
	9/12/2023	Integrity Constraints over Relations continued
	9/13/2023	Contd.
	9/14/2023	Unit-4: Relational algebra
	9/15/2023	Relational algebra Continued
	9/16/2023	Relational algebra Continued
WEEK 9	9/17/2023	**Sunday**
	9/18/2023	Relational algebra Continued
	9/19/2023	Relational calculus
	9/20/2023	Relational calculus Continued
	9/21/2023	Relational calculus Continued
	9/22/2023	Difference B/W Relational Algebra & Relational Calculus
	9/23/2023	**Saheedi Diwas (Haryana Heros Martyrdom Day)**
WEEK 10	9/24/2023	**Sunday**
	9/25/2023	Relational database design: Functional dependencies, Modification anomalies
	9/26/2023	Functional dependencies,Modification anomalies Continued
	9/27/2023	Functional dependencies,Modification anomalies Continued
	9/28/2023	Database Normalization
	9/29/2023	Ist Normal Form,2nd Normal Form
	9/30/2023	3rd Normal Form, BCNF & 4th Normal Form
WEEK 11	10/1/2023	**Sunday**
	10/2/2023	**Gandhi Jayanti**
	10/3/2023	4th Normal Form &5th Normal Form
	10/4/2023	Lossless Decomposition,Computing closures of Set of FDs
	10/5/2023	Computing closures of set FDs examples

	06.10.2023	Computing closures of set FDs examples
	07.10.2023	SQL: Data types, Basic Queries in SQL
WEEK 12	08.10.2023	**Sunday**
	09.10.2023	Operators in SQL(Arthmetic,Relational)
	10.10.2023	Operators in SQL(Logical)
	11.10.2023	Special Operators in Sql(Like,Between,in)
	12.10.2023	DML Queries:Insert, Delete and Update Statements
	13.10.2023	DML Queries:Insert, Delete and Update Statements
	14.10.2023	DDL Commands(Create,Alter,Drop,Rename)
WEEK 13	15.10.2023	**Sunday**
	16.10.2023	Creating Tables with Integrity Constraints(Null,Not Null,Unique)
	17.10.2023	Revision
	18.10.2023	Internal Examination
	19.10.2023	Internal Examination
	20.10.2023	Internal Examination
	21.10.2023	Internal Examination
	22.10.2023	**Sunday**
WEEK 14	23.10.2023	Creating Tables with Integrity Constraints(Primary Key,Foreign Key,Default)
	24.10.2023	**Dusshera**
	25.10.2023	Inbuilt Functions in Sql
	26.10.2023	Inbuilt Functions in Sql Continued
	27.10.2023	Inbuilt Functions in Sql Continued
	28.10.2023	Inbuilt Functions in Sql Continued
WEEK 15	29.10.2023	**Sunday**
	30.10.2023	Views In Sql
	31.10.2023	Query processing: General strategies of query processing
	01.11.2023	**Haryana Day**
	02.11.2023	Query optimization, Query processor
	03.11.2023	Concept of security of Database
	04.11.2023	Concept of security of Database Continued
WEEK 16	05.11.2023	**Sunday**
	06.11.2023	Concurrency Control and recovery.
	07.11.2023	Concurrency Control and recovery Continued
	08.11.2023	Revisionof Unit 1
	09.11.2023	Revisionof Unit 1
	10.11.2023	**Diwali Break**
	11.11.2023	**Diwali Break**
WEEK 17	12.11.2023	**Diwali Break**
	13.11.2023	**Diwali Break**
	14.11.2023	**Diwali Break**
	15.11.2023	**Diwali Break**
	16.11.2023	**Diwali Break**
	17.11.2023	Revisionof Unit 2
	18.11.2023	Revisionof Unit 2
WEEK 18	19.11.2023	**Sunday**
	20.11.2023	Revisionof Unit 3
	21.11.2023	Revisionof Unit 3

	22.11.2023	Revisionof Unit 4
	23.11.2023	Revisionof Unit 4
	24.11.2023	Doubt Session
	25.11.2023	**Examinations**