



Aggarwal College Ballabgarh

LESSON PLAN
18 WEEKS (JULY-NOV)-2024

Name of Faculty: Bharti Singhal
Designation/ Department: Assistant Professor/CS

CLASS: Bsc-CS

SEMESTER: 5

SECTION: --

SUBJECT: Database Management System

Paper Code: 5.1

WEEK	DATE	TOPIC TO BE COVERED
1	1-08-2024	Unit-1 Basic Concepts – Data, Information
	2-08-2024	Records and files
	3-08-2024	Traditional file – based Systems-File Based Approach
	4-08-2024	S. U. N. D. A. Y.
	5-08-2024	
	6-08-2024	
	7-08-2024	H.O.L.I. D. A. Y.
2	8-08-2024	Database Management System (DBMS)
	9-08-2024	Components of DBMS Environment
	10-08-2024	DBMS Functions, Advantages and Disadvantages of DBMS
	11-08-2024	S. U. N. D. A. Y.
	12-08-2024	
	13-08-2024	
	14-08-2024	
3	15-08-2024	H.O.L.I. D. A. Y.
	16-08-2024	Limitations of File Based Approach

	17-08-2024	Database Approach-Characteristics of Database Approach
	18-08-2024	Classification of Database Management System
	19-08-2024	H.O.L.I. D. A. Y.
	20-08-2024	
	21-08-2024	
4	22-08-2024	Components of DBMS Environment
	23-08-2024	DBMS Functions
	24-08-2024	Advantages and Disadvantages of DBMS
	25-08-2024	S. U. N. D. A. Y.
	26-08-2024	HOLIDAY
	27-08-2024	
	28-08-2024	
5	29-08-2024	Classification of Database Management System
	30-08-2024	Roles in the Database Environment - Data
	31-08-2024	Database Administrator
	1-09-2024	S. U. N. D. A. Y.
	2-09-2024	
	3-09-2024	
	4-09-2024	
6	5-09-2024	Revision/ Doubt Class
	6-09-2024	Unit-2 Centralized and Client Server architecture to DBMS
	7-09-2024	Database System Architecture – Three Levels of Architecture
	8-09-2024	S. U. N. D. A. Y.

	9-09-2024	
	10-09-2024	
	11-09-2024	
7	12-09-2024	External, Conceptual and Internal Levels
	13-09-2024	Schemas, Mappings and Instances
	14-09-2024	Data Independence – Logical and Physical Data Independence
	15-09-2024	S. U. N. D. A. Y.
	16-09-2024	
	17-09-2024	
	18-09-2024	
8	19-09-2024	Data Models: Records- based Data Models, Object-based Data Models
	20-09-2024	Physical Data Models and Conceptual Modeling
	21-09-2024	Hierarchical, network and relational model
	22-09-2024	S. U. N. D. A. Y.
	23-09-2024	H.O.L.I. D. A. Y.
	24-09-2024	
	25-09-2024	
9	26-09-2024	Unit-3 Entity-Relationship Model – Entity Types
	27-09-2024	Entity Sets, Attributes and keys
	28-09-2024	Relationship, relationship sets
	29-09-2024	S. U. N. D. A. Y.
	30-09-2024	
	1-10-2024	

	2-10-2024	HOLIDAY
10	3-10-2024	Role name & recursive relationship
	4-10-2024	HOLIDAY
	5-10-2024	Structural constraints, Conceptual design using E-R Diagrams
	6-10-2024	S. U. N. D. A. Y.
	7-10-2024	
	8-10-2024	
	9-10-2024	
11	10-10-2024	Relational Data Model:-Introduction
	11-10-2024	Properties of Relations, Keys
	12-10-2024	HOLIDAY
	13-10-2024	S. U. N. D. A. Y.
	14-10-2024	
	15-10-2024	
	16-10-2024	
12	17-10-2024	HOLIDAY
	18-10-2024	Integrity Constraints over Relations, View
	19-10-2024	Relational Database Design: Functional Dependencies
	20-10-2024	S. U. N. D. A. Y.
	21-10-2024	
	22-10-2024	
	23-10-2024	
13	24-10-2024	Normalization:1st to 3rd Normal Form, BCNF
	25-10-2024	Lossless Join and Dependency preserving decomposition

	26-10-2024	Test
	27-10-2024	S. U. N. D. A. Y.
	28-10-2024	DIWALI BREAK
	29-10-2024	DIWALI BREAK
	30-10-2024	DIWALI BREAK
14	31-10-2024	DIWALI BREAK
	1-11-2024	DIWALI BREAK
	2-11-2024	DIWALI BREAK
	3-11-2024	S. U. N. D. A. Y.
	4-11-2024	
	5-11-2024	
	6-11-2024	
15	7-11-2024	Unit-4 SQL: Types & components of SQL
	8-11-2024	Data Definition and data types
	9-11-2024	Data definition commands
	10-11-2024	ZONAL YOUTH FESTIVAL
	11-11-2024	ZONAL YOUTH FESTIVAL
	12-11-2024	ZONAL YOUTH FESTIVAL
	13-11-2024	
16	14-11-2024	
	15-11-2024	H.O.L.I.D.A.Y.
	16-11-2024	Data manipulation commands
	17-11-2024	S. U. N. D. A. Y.
	18-11-2024	

	19-11-2024	
	20-11-2024	
17	21-11-2024	Data Control Commands Specifying Constraints
	22-11-2024	(Primary Constraint,. Foreign key, Unique, Not Null) in SQL
	23-11-2024	Schema, Basic Queries in SQL
	24-11-2024	S. U. N. D. A. Y.
	25-11-2024	
	26-11-2024	
	27-11-2024	
18	28-11-2024	Insert, Delete and Update operations
	29-11-2024	Inbuilt Date, String functions
	30-11-2024	Commit, Rollback, Save points
	1-12-2024	S. U. N. D. A. Y.
	2-12-2024	
	3-12-2024	
	4-12-2024	Views: Introduction, Advantages of creating views
	5-12-2024	Features, Destroying/ Altering table & Views

Signature