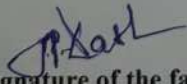
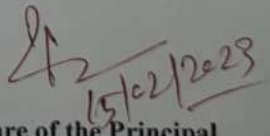


### Academic Lesson Plan of Summer 2023

Department : CSE	Semester : 4TH	Name of the Teaching Faculty : JITENDRA PRASAD DASH
Subject : Data base Management System	No. of Days/per week class allotted :	Semester from : 15TH FEBRUARY 2023
		No of Weeks : 15 Weeks
		Topic to be covered :
WEEK	DAY	TOPIC
1st Week	1st	Basic Concepts of DBMS
	2nd	Purpose of Databasa Systems
	3rd	Explain data Abstraction
	4th	Database Users
2nd Week	1st	Data Definition Language
	2nd	Continue
	3rd	Data Dictionary
	4th	Data Models
3rd Week	1st	Data Independence
	2nd	Entity Relationship models
	3rd	Continue
	4th	Entity Sets and Relationship Sets
4th Week	1st	Explain Attributes
	2nd	Mapping Constraints
	3rd	E-R Diagram
	4th	Relational Model
5th Week	1st	Hierachical Model
	2nd	Network Model
	3rd	Relational database
	4th	Relational Algebra
6th Week	1st	Different Operators Select, Project, Join, Sample Example
	2nd	Different Operators Select, Project, Join, Sample Example
	3rd	Different Operators Select, Project, Join, Sample Example
	4th	Continue
7th Week	1st	Introduction of Normalization
	2nd	Functional Dependencies
	3rd	Continue
	4th	Lossless Join
8th Week	1st	Lossless Join
	2nd	Importance of Normalization

WEEK	DAY	TOPIC
8th Week	3rd	First Normal Form
	4th	Second Normal Forms
9th Week	1st	Third Normal Forms
	2nd	Explain BCNF
	3rd	Introduction of SQL
	4th	Elementary Idea of Query Language
10th Week	1st	Queries in SQL
	2nd	Simple Queries to create in SQL
	3rd	Simple Queries to Insert, Alter in SQL
	4th	Simple Queries to Update in SQL
11th Week	1st	Introduction of Transaction Processing Concepts
	2nd	Continue
	3rd	Transaction and System Concept
	4th	Continue
12th Week	1st	Desirable properties of Transaction
	2nd	Continue
	3rd	Schedules and Recoverability
	4th	Continue
13th Week	1st	Introduction of Concurrency Control Concepts
	2nd	Continue
	3rd	Locks, Live Lock, Dead Lock
	4th	Continue
14th Week	1st	Serializability
	2nd	Introduction of Security and Integrity
	3rd	Authorization and views
	4th	Continue
15th Week	1st	Security Constraints
	2nd	Integrity Constraints
	3rd	Discuss encryption
	4th	Revision of all topics with Semester Questions

  
Signature of the faculty

  
Signature of the Principal