ARYAN SCHOOL OF ENGINEERING & TECHNOLOGY

Dicipline:	CSE	Semester: 4th	Name of the Teaching Faculty: PN Suchismita	
Subject:	DBMS	No of Days/Week Class Allotted: 4	Semester From date: 13·2·23 To date 23·5·23	No.of Weeks: 9

WEEK	Class Day	Theory Topics
1	1st	Introduction to basic concepts of DBMS Purpose of database systems
	2nd	Explain Data abstraction
	3rd	Database users
	4th	Data definition Language
	5th	
2	1st	Data Dictionary
	2nd	Data independence
	3rd	Entity relationships models
	4th	Entity sets and Relationship sets
	5th	
3	1st	Explain Attributes
	2nd	mapping constraints
	3rd	E-R Diagram
	4th	Relational model
	5th	

WEEK	Class Day	Theory Topics
4	1st	Hierarchical model
	2nd	Network model
	3rd	Relational algebra
	4th	Different operations select, Project, join, simple Examples.
	5th	
5	1st	Normalization in Relational System Functional Dependencies
	2nd	Lossless join
	3rd	Importance of normalization
	4th	Compare first second and third normal forms.
	5th	
6	1st	Explain BCNF
	2nd	Elementary idea of Query Language
	3rd	Queries in SQL
	4th	simple queries to create, update insert in SQL
	5th	

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Subject:		No of Days/Week Class Allotted:_____	Semester From date:_____ To date_____	No.of Weeks:

WEEK	Class Day	Theory Topics
7	1st	Idea about transaction processing
	2nd	Transaction & system concept
	3rd	Desirable properties of transaction
	4th	Schedules and recoverability.
	5th	
8	1st	Basic concepts of concurrency control concepts.
	2nd	Locks, Live Lock, Dead Lock
	3rd	Serializability
	4th	Authorization and views
	5th	
9	1st	Security constraints
	2nd	Integrity constraints
	3rd	Discuss encryption
	4th	
	5th	