

SYNERGY POLYTECHNIC, BBSR

The Lesson Plan

Discipline: CSE	Semester: 6th	Name of the Teaching Faculty: Manoj Ranjan Ojha
Subject: DBMS	No of Days/per week class allotted:	Semester from Date: 01/02/25 to Date: 17.05.25
Week	Class Day	Theory/Practical Topics
1st	1st	Purpose of database system
	2nd	Explain Data abstraction
	3rd	Database User
	4th	Data definition language
	5th	
2nd	1st	Data Dictionary
	2nd	Data Independence
	3rd	E-R model
	4th	Entity set & Relationship set
	5th	
3rd	1st	mapping constraints
	2nd	E-R Diagram
	3rd	Relational model
	4th	Hierarchical model & Network model
	5th	
4th	1st	Relational Algebra
	2nd	compute Relational algebra
	3rd	compute Relational Algebra
	4th	Different operators select
	5th	
5th	1st	project, join
	2nd	Simple examples
	3rd	monthly test -1, Quiz test -1
	4th	functional Dependencies
	5th	

Sign of Faculty

HOD 31/1/2025

Principal 31/1/25

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Subject:	No of Days/per week class allotted:	Semester from Date: to Date:
Week	Class Day	No of Weeks:
		Theory/Practical Topics
1st	1st	Continue functional Dependency
	2nd	Lossy join
	3rd	Continue Lossy join
	4th	Importance of normalization
	5th	
2nd	1st	Continue normalization
	2nd	Continue normalization
	3rd	Compare first, second, third normal form
	4th	Elementary idea of Query language
	5th	
3rd	1st	Continue elementary idea of Query language
	2nd	Continue elementary idea of Query language
	3rd	Queries in SQL
	4th	Continue Queries in SQL
	5th	
4th	1st	Continue Queries in SQL
	2nd	Simple queries to Create
	3rd	Update
	4th	Insert in SQL
	5th	
5th	1st	Idea about transaction processing
	2nd	Continue idea about transaction processing
	3rd	Transaction & System concept
	4th	Continue transaction & System concept
	5th	

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Subject:	No of Days/per week class allotted:	Semester from Date: to Date: No of Weeks:
Week	Class Day	Theory/Practical Topics
1st	1st	Desirable properties of transaction
	2nd	continue desirable properties of transaction
	3rd	Schedule and recoverability
	4th	Schedule and recoverability test part
	5th	
2nd	1st	monthly Test - 2
	2nd	Basic concept
	3rd	Locks
	4th	Live lock
	5th	
3rd	1st	Dead lock
	2nd	Dead lock (test part)
	3rd	Serializability
	4th	continue serializability
	5th	
4th	1st	Authorization and view
	2nd	continue authorization and view
	3rd	continue authorization and view
	4th	Security constraints
	5th	
5th	1st	continue security constraints
	2nd	Integrity constraints
	3rd	DISCUM encryption
	4th	continue DISCUM encryption
	5th	

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Discipline:	Semester:	Name of the Teaching Faculty:
Subject:	No of Days/per week class allotted:	Semester from Date: to Date: No of Weeks:
Week	Class Day	Theory/Practical Topics
1st	1st	monthly Test-3, Quiz Test-2
	2nd	
	3rd	
	4th	
	5th	
2nd	1st	
	2nd	
	3rd	
	4th	
	5th	
3rd	1st	
	2nd	
	3rd	
	4th	
	5th	
4th	1st	
	2nd	
	3rd	
	4th	
	5th	
5th	1st	
	2nd	
	3rd	
	4th	
	5th	

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