

SYNERGY POLYTECHNIC, BBSR

The Lesson Plan

Discipline: <i>CSE</i>	Semester: <i>Ath</i>	Name of the Teaching Faculty: <i>M.R. Ojha</i>
Subject: <i>Database management system</i>	No of Days/per week class allotted:	Semester from Date: <i>16/1/24</i> to Date: <i>26/4/24</i> . No of Weeks:
Week	Class Day	Theory/Practical Topics
1st	1st	<i>Basic - concepts DBMS</i>
	2nd	<i>Purpose of database systems</i>
	3rd	<i>Explain Data Abstraction</i>
	4th	<i>Database users</i>
	5th	
2nd	1st	<i>Data definition language -</i>
	2nd	<i>Data Dictionary</i>
	3rd	<i>Data models, Data independence</i>
	4th	
	5th	
3rd	1st	<i>Entity Relationship models.</i>
	2nd	<i>Entity sets and Relationship - sets - 2NF</i>
	3rd	<i>Explain Attributes.</i>
	4th	<i>Mapping constraints.</i>
	5th	
4th	1st	<i>E-R Diagram</i>
	2nd	<i>Relational model</i>
	3rd	<i>Hierarchical model</i>
	4th	
	5th	
5th	1st	<i>Relational - Database</i>
	2nd	<i>Network model</i>
	3rd	<i>Different operations select.</i>
	4th	<i>Project, join, simple graph.</i>
	5th	

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Principal
16/1/24

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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	Normalization in Relational system.
	2nd	functional. Dependencies
	3rd	Lossless join
	4th	Importance of normalization
	5th	
2nd	1st	Compare first second and third normal forms 4-5 Explain BCNF.
	2nd	structured query language.
	3rd	Elementary ideas of query language
	4th	
	5th	
3rd	1st	Queries in SQL
	2nd	Simple queries to create, update.
	3rd	Index in SQL, .
	4th	Transaction processing concepts.
	5th	
4th	1st	Idea about transaction processing.
	2nd	Transaction & system concept
	3rd	Desirable properties of transaction.
	4th	Scheduler and recoverability
	5th	Isolation
5th	1st	Concurrency control. Concepts
	2nd	Basic concepts
	3rd	Locks, Live lock, Dead lock.
	4th	Serializability.
	5th	


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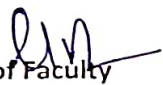

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The Lesson Plan

Discipline: CSE	Semester: 4th	Name of the Teaching Faculty:
Subject: Operating system	No of Days/per week class allotted:	Semester from Date: _____ to Date: _____ No of Weeks:
Week	Class Day	Theory/Practical Topics
1st	1st	Authentication and viruses
	2nd	Security and Integrity
	3rd	- do -
	4th	- do -
	5th	
2nd	1st	Security Constraints
	2nd	" - do -
	3rd	Integrity Constraints "
	4th	via Discard Encryption.
	5th	
3rd	1st	
	2nd	
	3rd	
	4th	
	5th	
4th	1st	
	2nd	
	3rd	
	4th	
	5th	
5th	1st	
	2nd	
	3rd	
	4th	
	5th	

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