



BHUBANANDA ORISSA SCHOOL OF ENGINEERING, CUTTACK

DEPARTMENT OF Computer Science & IT

ACADEMIC SESSION-(2020-21-SUMMER)

Lesson Plan

SEMESTER/BRANCH:-4th sem CSE&IT

SUBJECT:-DATASAE MANAGEMENT SYSTEM

FACULTY NAME:- AJAY KUMAR PANDA

Semester From:- Date. 19.04.2021 to 13.08.2021

No of week:-17

No of classes available per week : 4

Total period available: 68

Class duration:55 minutes

Teaching Method: Through Online Meeting App, Presentation,

Sharing Lecture note PDF through whatsapp group.

Learning Method: Daily Assignment, Unit/class test, Online Moc test through google form

Topics wise distribution of Periods given in syllabus

Topic wise distribution of periods

Sl. No. Topics Periods



1	BASIC CONCEPTS OF DBMS	05
2	DATA MODELS	08
3	RELATIONAL DATABASE	06
4	NORMALIZATION IN RELATIONAL SYSTEM	08
5	STRUCTURED QUERY LANGUAGE	09
6	TRANSACTION PROCESSING CONCEPTS	08
7	CONCURRENCY CONTROL CONCEPTS	08
8	SECURITY AND INTEGRITY	08

TOTAL 60

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My Lesson plan:




WEEK No.	Dates	No. of Periods available	Topics to be Covered	Topic actually taken	Short Fall if any	Date of make up of short fall	Initial of Faculty
W-1	20.04.2021 22.04.2021 24.04.2021		1.1 Purpose of database Systems 1.2 Explain Data abstraction	Purpose of Database systems. Explain Data Abstraction.	Nil		Hqfms
W-2	27.04.2021 28.04.2021 29.04.2021 01.05.2021		1.3 Database users 1.4 Data definition language 1.5 Data Dictionary 2.1 Data Independence	Database Users Data Definition Language Data Dictionary Data Independence.	Nil		Hqfms


W-3	<p>04.05.2021</p> <p>05.05.2021</p> <p>06.05.2021</p> <p>08.05.2021</p>		<p>2.2 Entity-Relationship Models</p> <p>2.3 Entity Sets & Relationship Sets</p> <p>2.4 Explain Attributes</p>	<p>Entity - Relationship Models .</p> <p>Entity Sets & Relationship Sets .</p> <p>Explain Attributes .</p>	nil		
W-4	<p>11.05.2021</p> <p>12.05.2021</p> <p>13.05.2021</p> <p>15.05.2021</p>		<p>2.5 Mapping Constraints</p> <p>2.6 E-R Diagram</p>	<p>Mapping Constraints</p> <p>ER Diagram .</p>	nil		

W-5	<p>18.05.2021</p> <p>19.05.2021</p> <p>20.05.2021</p> <p>22.05.2021</p>		<p>2.7 Relational Model</p> <p>2.8 Hierarchical Model</p> <p>2.9 Network Model</p>	<p>Relational Model</p> <p>Hierarchical Model</p> <p>Network Model</p>	<p>nil</p>		<p><i>Agarwal</i></p>
W-6	<p>25.05.2021</p> <p>26.05.2021</p> <p>27.05.2021</p> <p>29.05.2021</p>		<p>3.1 Relational Algebra, Different Operators</p>	<p>Relational Algebra</p>	<p>yes.</p>	<p>Adjusted in the subsequent classes</p>	<p><i>Agarwal</i></p>

W-7	<p>01.06.2021</p> <p>02.06.2021</p> <p>03.06.2021</p> <p>05.06.2021</p>		<p>3.2, Select, Project, Join & Simple Examples</p> <p>4.1 Functional Dependency</p>	<p>Different Operators Select, Project, join & simple examples Functional Dependency (continued)</p>	<p>4.1 continued</p>		<p>As per</p>
W-8	<p>08.06.2021</p> <p>09.06.2021</p> <p>12.06.2021</p>		<p>4.2 Lossless Join</p> <p>4.3 Importance Of Normalization</p> <p>4.4 Compare First second and third normal forms</p>	<p>Functional Dependency Lossless Join Importance of Normalization Compare 1st, 2nd & 3rd Normal Forms.</p>	<p>Nil</p>		<p>As per</p>
W-9	<p>17.06.2021</p> <p>19.06.2021</p>		<p>4.4 Continue.....</p> <p>4.5 Explain BCNF</p>	<p>4.4. continued . Explain BCNF</p>	<p>Nil</p>		<p>As per</p>

W-10	<p>22.06.2021</p> <p>23.06.2021</p> <p>24.06.2021</p> <p>26.06.2021</p>		<p>5.1 Elementary Idea of Query Language</p> <p>5.2 Queries in SQL</p>	<p>Elementary Idea of Query Language.</p> <p>Queries in SQL</p>	Nil		
W-11	<p>29.06.2021</p> <p>30.06.2021</p> <p>01.07.2021</p> <p>03.07.2021</p>		<p>5.3 Simple queries to create, update, insert in SQL</p> <p>6.1 Idea about Transaction Processing</p> <p>6.2 Transaction</p>	<p>Simple queries to create, update, insert in SQL</p> <p>Idea about Transaction processing</p> <p>Transaction</p>	Nil		
W-12	<p>06.07.2021</p> <p>07.07.2021</p> <p>08.07.2021</p> <p>10.07.2021</p>		<p>6.2 System Concept</p> <p>6.3 Desirable Properties of Transaction</p>	<p>System concept Desirable Properties of Transaction.</p>	Nil		

W-13	13.07.2021 14.07.2021 15.07.2021 17.07.2021		6.4 Schedules and recoverability 7.1 Basic Concepts of locking	Schedules & Recoverability Basic concepts of locking	Nil		
W-14	20.07.2021 22.07.2021 24.07.2021		7.2 Locks, Live Lock, Deadlock	Locks, Live Lock Deadlock	Nil		
W-15	27.07.2021 28.07.2021 29.07.2021 31.07.2021		7.2 Dead lock continue..... 7.3 Serializability(Only Fundamentals)	Dead lock (continued) Serializability	Nil		

W-16	<p>03.08.2021</p> <p>04.08.2021</p> <p>05.08.2021</p> <p>07.08.2021</p>		<p>8.1 Authorization & views</p> <p>8.2 Security Constraints</p>	<p>Authorization & views</p> <p>Security & constraints</p>	Nil		
W-17	<p>10.08.2021</p> <p>11.08.2021</p> <p>12.08.2021</p>		<p>8.3 Integrity Constraints</p> <p>8.4 Discuss Encryption</p>	<p>Integrity Constraints</p> <p>Discuss Encryption.</p>	Nil		