

LESSON PLAN

| Department:CSE | | Semester:4 th ,NameofFaculty:SUBASH CH. BALIARSINGH |
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| Subject: Database Management System (DBMS) | No.ofdays/ week Class allotted: 4 | Effective From Date: |
| | | No.ofWeek-15 |
| | | Topic to be Covered: |
| Week | ClassDay | Theory |
| 1 st | 1st | UNIT1:BASICCONCPETSOF DBMS |
| | 2nd | 1.1PurposeofdatabaseSystems |
| | 3rd | 1.2ExplainDataabstraction |
| | 4th | 1.3Database users |
| 2 nd | 1st | 1.4Datadefinition language |
| | 2nd | 1.5Data Dictionary |
| | 3rd | 1. DoubtClearing class 2. Quiztest 3. Assignment |
| | 4th | UNIT2:DATAMODELS |
| 3 rd | 1st | 2.1Data independence |
| | 2nd | 2.2Entityrelationshipmodels |
| | 3rd | 2.3EntitysetsandRelationshipsets |
| | 4th | 2.4Explain Attributes |
| 4 th | 1st | 2.5Mappingconstraints |
| | 2nd | 2.6E-RDiagram |
| | 3rd | 2.7Relational model |
| | 4th | 2.8Hierarchicalmodel |
| 5 th | 1st | 2.9Network model |
| | 2nd | 1. DoubtClearing class 2. Quiztest 3. Assignment |
| | 3rd | UNIT3:RELATIONAL DATABASE |
| | 4th | 3.1Relational algebra |
| 6 th | 1st | 3.2Differentoperatorsselect |
| | 2nd | 3.2.1project,join,simpleExamples |
| | 3rd | 1. DoubtClearing class 2. Quiztest 3. Assignment |
| | 4th | UNIT4:NORMALIZATIONINRELATIONAL SYSTEM |
| 7 th | 1st | 4.1Functional Dependencies |
| | 2nd | 4.2Losslessjoin |
| | 3rd | 4.3Importance of normalization |
| | 4th | 4.4CompareFirst second and third normal forms |
| 8 th | 1st | 4.5ExplainBCNF |

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| | 2nd | 1. DoubtClearing class 2. Quiztest 3. Assignment |
| | 3rd | UNIT5:STRUCTUREDQUERYLANGUAGE |
| | 4th | 5.1Elementaryidea of Query language |
| 9 th | 1st | 5.2QueriesinSQL |
| | 2nd | 5.3Simplequeries to create |
| | 3rd | 5.3.1Update |
| | 4th | 5.3.2insertinSQL |
| 10 th | 1st | 1. DoubtClearing class 2. Quiztest 3. Assignment |
| | 2nd | UNIT6:TRANSACTIONPROCESSINGCONCEPTS |
| | 3rd | 6.1Ideaabouttransaction processing |
| | 4th | 6.2Transaction& system concept |
| 11 th | 1st | 6.3Desirablepropertiesoftransaction |
| | 2nd | 6.4Schedulesandrecoverability |
| | 3rd | 1. DoubtClearing class 2. Quiztest 3. Assignment |
| | 4th | UNIT7:CONCURRENCYCONTROL CONCEPTS |
| 12 th | 1st | 7.1Basicconcepts |
| | 2nd | 7.2Locks |
| | 3rd | 7.2.1LiveLock |
| | 4th | 7.2.2DeadLock |
| 13 th | 1st | 7.3Serializability(only fundamentals) |
| | 2nd | 1. DoubtClearing class 2. Quiztest 3. Assignment |
| | 3rd | UNIT8:SECURITYAND INTEGRITY |
| | 4th | 8.1Authorizationandviews |
| 14 th | 1st | 8.2Securityconstraints |
| | 2nd | 8.3IntegrityConstraints |
| | 3rd | 8.4DiscussEncryption |

Signature of Faculty

HOD,
Senior Lecture,CSE
ASIAN SCHOOL OF TECHNOLOGY, KHORDHA