

GANAPATI INSTITUTE OF ENGINEERING AND TECHNOLOGY Mathasahi , Jagatpur , Cuttack - 754200, Odisha DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

LESSON PLAN

Discipline: Computer	Semester:4 th	NameoftheFaculty:
Science and engineering		Ananta B.B. Mohapatra
Subject: Database ManagementSystem, Theory-4	No.ofDays/week:04	StartDate: 04.02.2025 EndDate: 17.05.2025

Week	ClassDay	TheoryTopics
1st	1st	PurposeofdatabaseSystems
	2nd	ExplainDataabstraction
	3rd	Databaseusers
	4th	Datadefinitionlanguage
2nd	Ist	DataDictionary
	2nd	Revision
	3rd	Dataindependence
	4th	Entityrelationshipmodels
	1st	EntitysetsandRelationshipsets
	2nd	ExplainAttributes
	3dr	Mappingconstraints
	4th	E-RDiagram
4th	1st	Relationalmodel, Hierarchicalmodel,
	2nd	Networkmodel
	3dr	QuizTest
	4th	Relationalalgebra
5th 1st 2nd	Ist	Differentsetoperatorswithexamples
	2nd	Selectandprojectoperatorswithexample
-	3rd	joinoperationwithexample
	4th	Questionanswer discussion
6th	1st	FunctionalDependencies
	2nd	Functional Dependencies contd
	3rd	Lossless join
	4th	Rules(Armstrong'saxioms)
7th	1st	Importanceofnormalization
	2nd	FirstandSecondnormalform
	3rd	Thirdnormal form
	4th	ExplainBCNF

8th	1st	Revision
	2nd	ElementaryideaofQuerylanguage
	3rd	QueriesinSQL
	4th	QueriesinSQL contd
9th	1st	QueriesinSQL contd
	2nd	QueriesinSQL contd
	3rd	Simplequeriestocreate, update, insertin SQL
	4th	Revision
10th	1st ·	BasicIdeaabouttransactionprocessing
	2nd	Transaction&systemconcept
	3rd	Transaction&systemconceptcontd
	4th	Desirablepropertiesoftransaction
11th	1st	SchedulesandTypesofSchedules
	2nd	Recoverability
	3rd	Revision
	4th	Questionanswer discussion
12th	lst	BasicconceptsofConcurrencyControl
	2nd	Locksanditstypes
	3rd	DeadLock
	4th	DeadLockcontd
13th	İst	Live Lock
	2nd	Serializability(onlyfundamentals)
	3rd	Revision
	4th	QuizTest
14th	1st	Authorization
1401	2nd	views
	3rd	Securityconstraints
	4th	IntegrityConstraints
15th	Ist	IntegrityConstraintscontd
	2nd	DiscussEncryption
	3rd	Discussionofpreviousyearquestions
	4th	Discussionofpreviousyearquestions

Sign Of Faculty

Depen Con Lest Science & Engy.

Sign Of Principal