Lesson Plan

Name of Faculty : Bharti Sethi, AP, CSE

Discipline : Computer Science and Engineering
Semester : 8th
Subject : Data Mining Techniques (PC/CSE/81-T)
Lesson Plan Duration : 15 weeks (from Feb -2025 to August-2025)
Work Load (Lecture/Practical) per week (in hours): Lectures-03 hours

Week	Theory		Topic Covered ,Date and Remarks		
	Lecture Day	Topic(Including Assignment/Test)	Date	HOD	Director principal
1st	1	Data warehousing Definition,			
	2	Usage and trends			
	3	Data marts,			
2nd	4	Metadata			
	5	Multidimensional data model			
	6	Data cubes,			
3rd	7	Stars,			
	8	Snowflakes			
	9	Expert System			
4th	10	Data warehouse architecture			
	11	OLTP vs. OLAP			
	12	ROLAP vs. MOLAP,			
	13	3-Tierdatawarehousearchitecture			
	14	Distributed data warehouses,			
	15	Virtual data warehouses,			
6th	16	Data warehouse manager			
	17	Data warehouse implementation			
	18	Computation of data cube			
7th		**1stMinorTest**			
8th	19	OLAP queries manager,			
	20	Complex aggregation at multiple granularities			
	21	Tuning of data warehouse			
9th	22	Testing of data warehouse			
	23	Data mining definition			
	24	KDD versus data mining,			
10th	25	Data mining techniques			
	26	Applications.			
	27	Data mining query languages			
11th	28	Data specification			
	29	Hierarchy specification			
	30	Pattern presentation			
12th	31	Visualizations pacification,			
	32	Data mining languages			
	33	Standardization of data mining			
13th	34	Association rules, Clustering techniques			
	35	Decision tree knowledge discovery through Neural Network			
	36	Decision tree knowledge discovery through Genetic Algorithm			
14th		**2ndMinorTest**			
15th	37	Mining complex data objects			
	38	Spatial databases, Multimedia databases,			
	39	Time series and Sequence data;			