BHAI GURDAS INSTITUTE OF ENGINEERING & TECHNOLOGY

Department of Computer Science and Engineering

LESSON PLAN

Subject Name: - Data Warehousing and Warehousing and Data Mining
Subject Code: - BTCS 702-18

Year: -2023   **Semester: - 8th**

Lecture No.	Unit	Date/ Week	Topic	Teaching Aids	Reference
1.	I	10 Days	Introduction to What Is Data Mining, The Scope of Data Mining	Projector, chalk, green board, duster	Text book , notes
2.			Tasks of Data Mining		
3.			Architecture of Data Mining,		
4.			Data Mining Process		
5.			Classification of Data mining Systems		
6.			Major Issues In Data Mining		
7.			Knowledge Discovery in Databases(KDD)		
8.			Data Warehouse: Data Warehouse Design Process, A Three Tier Data Warehouse Architecture A Three Tier Data Warehouse Architecture,		
9.			Data Warehouse Models		
10.			OLAP(Online analytical Processing): Types of OLAP		
11.	II	10 days	Data Preprocessing, Issues in Data integration,		
12.			Data Transformation, Data Reduction		
13.			Classification and Prediction: Issues Regarding,		
14.			Classification and Prediction		
15.			Comparing Classification and Prediction Methods		
16.			Classification by Decision Tree Induction		
17.			Algorithm For Decision Tree Induction		
18.			Split Algorithm based on information theory		
19.			Split Algorithm based on Gini index		
20.			Bayesian Classification: Bayes' Theorem, Naïve Bayesian Classification, Classifier Accuracy		
21.			Cluster Analysis, Applications,		

22.			Typical Requirements Of Clustering In Data Mining		
23.	III	10 Days	Major Clustering Methods, Partitioning Methods, Hierarchical Methods, Density-based methods, Grid-Based Methods, Model-Based Methods		
24.			Tasks in Data Mining: Clustering High-Dimensional Data, Constraint-Based Clustering		
25.			Characteristics of search engine , functionality of search engine		
26.			Architecture of search engine		
27.			Ranking of web pages,		
28.			The search engine history		
29.			Enterprise Search engine		
30.			Software of research engine		
31.	IV	8 Days	Introduction to web data mining.		
32.			Web Terminology		
33.			Characteristics of web data mining.		
34.			Locality in web		
35.					
36.			Web content Mining		
37.			Web structure mining		
38.			Web mining software		