VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN

[AUTONOMOUS INSTITUTION AFFILIATED TO ANNA UNIVERSITY, CHENNAI]

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Course Code / Name : U15CSE05 / Data Warehousing and Data Mining

Class (Year / Programme / Department / Section): III/BE/CSE/A&B

LESSON PLAN

Session No	Topic	Duration in Minutes	Teaching Aid	Book Reffered
UNIT -1 (DATA WAREHOUSING)				
1	Data warehousing Components	45	BB	R2
2	Building a Data warehouse	45	BB	R2
3	Mapping the Data Warehouse to a Multiprocessor Arch	45	BB	R2
4	DBMS Schemas for Decision Support	45	BB	R2
5	Data Extraction	45	BB	R2
6	Cleanup	45	BB	R2
7	Transformation Tools	45	BB	R2
8	Metadata	45	BB	R2
9	Building a Data warehouse	45	BB	R2
UNIT -2 (BUSINESS ANALYSIS)				
1	Reporting and Query tools and Applications	45	BB	R2
2	Tool Categories	45	BB	R2
3	The Need for Applications	45	BB	R2
4	Cognos Impromptu	45	BB	R2
5	Online Analytical Processing (OLAP)	45	BB	R2
6	Need	45	BB	R2
7	Multidimensional Data Model	45	BB	R2
8	OLAP Guidelines	45	BB	R2
9	Multidimensional versus Multirelational OLAP	45	BB	R2
UNIT -3 (DATA MINING)				
1	Introduction	45	BB	R1
2	Data	45	BB	R1
3	Types of Data	45	BB	R1
4	Data Mining Functionalities	45	BB	R1
5	Interestingness of Patterns	45	BB	R1
6	Classification of Data Mining Systems	45	BB	R1
7	Data Mining Task Primitives	45	BB	R1
8	Integration of a Data Mining System with a Data Warehouse	45	BB	R3
9	Issues	45	BB	R3
UNIT -4 (ASSOCIATION RULE MINING AND CLASSIFICATION)				
1	Mining Frequent Patterns	45	BB	R1
2	Associations and Correlations	45	BB	R1
3	Mining Methods	45	BB	R1
4	Mining various Kinds of Association Rules	45	BB	R1
5	Correlation Analysis	45	BB	R1

6	Constraint Based Association Mining	45	BB	R1
7	Classification and Prediction	45	BB	R1
8	Basic Concepts	45	BB	R1
9	Decision Tree Induction	45	BB	R1
UNIT -5 (CLUSTERING AND TRENDS IN DATA MINING)				
1	Cluster Analysis	45	BB	R1
2	Types of Data	45	BB	R1
3	Categorization of Major Clustering Methods	45	BB	R1
4	K-means	45	BB	R1
5	Partitioning Methods	45	BB	R1
6	Hierarchical Methods	45	BB	R1
7	Density	45	BB	R1
8	Grid Based Methods	45	BB	R1
9	Outlier Analysis	45	BB	R1