

SSN COLLEGE OF ENGINEERING
Department of Computer Science and Engineering
COURSE PLAN

Subject Name : **Data Warehousing & Data Mining**
Subject Code : **IT6702**
Degree / Year : **BE -CSE / III Year (A & B)**
Semester : **VI**
Name Of The Staff : **Ms. R. Priyadharsini / Dr. P. Mirunalini**
Academic Year : **2017 - 2018**

LESSON PLAN

Teaching Methodology and aids:

Classroom teaching using blackboard and chalk piece/LCD

Sl.No	Unit No	Topic	No of Hrs (plan)	No of Hrs (actual)	Remarks
	UNIT 3	Data Mining - Introduction	1		
2		Data- Types of Data	1		
3		Data Mining Functionalities	1		
4		Interestingness of Patterns –Classification of Data Mining Systems	1		
5		Data Mining Task Primitives	1		
6		Integration of a Data Mining System with a Data Warehouse – Issues	1		
7		Data Preprocessing	3		
		Planned Hours	9		

Sl.No	Unit No	Topic	No of Hrs (plan)	No of Hrs (actual)	Remarks
1	UNIT 4	Association rule mining and classification - Mining Frequent Pattern , Associations and Correlations	1		
2		Mining Methods – Mining Various Kinds of Association Rules – Correlation Analysis – Constraint Based Association Mining	2		
3		Classification and Prediction – Basic Concepts	1		
4		Decision Tree Induction – Bayesian Classification - Rule Based Classification	2		
5		Classification by Backpropagation	1		
6		Support Vector Machines	1		
7		Associative Classification	1		
8		Lazy Learners – Other Classification Methods – Prediction	1		
		Planned Hours	10		

Sl.No	Unit No	Topic	No of Hrs (plan)	No of Hrs (actual)	Remarks
1		Clustering & Applications & Trends in Data mining - Cluster Analysis -Types of	1		

	UNIT 5	Data			
2		Categorization of Major Clustering Methods – Kmeans – Partitioning Methods – Hierarchical Methods	2		
3		Density-Based Methods –Grid Based Methods	2		
4		Model-Based Clustering Methods – Clustering High Dimensional Data – Constraint – Based Cluster Analysis	2		
5		Outlier Analysis	1		
6		Data Mining Applications	1		
		Planned Hours	9		

Sl.No	Unit No	Topic	No of Hrs (plan)	No of Hrs (actual)	Remarks
1	UNIT 1	Data Warehousing – Data warehousing Components	2		
2		Building a Data warehouse	1		
3		Mapping the Data Warehouse to a Multiprocessor Architecture	2		
4		DBMS Schemas for Decision Support	2		
5		Data Extraction, Cleanup, and Transformation Tools	1		
6		Metadata	1		
		Planned Hours	9		

Sl.No	Unit No	Topic	No of Hrs (plan)	No of Hrs (actual)	Remarks
1	UNIT 2	Business Analysis - Reporting – Query tools and Applications	1		
2		Tool Categories – The Need for Applications	2		
3		Online Analytical Processing (OLAP)–Need	1		
4		Multidimensional Data Model –OLAP Guidelines	1		
		Multidimensional versus Multirelational OLAP	1		
5		Categories of Tools	2		
6		OLAP Tools and the Internet	1		
		Planned Hours	9		

Total Number of Hours Planned :

46

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HOD-CSE