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	**:**	**Dr. P. Mirunalini / Dr. T. T. Mirnalinee**
Academic Year	**:**	**2016 - 2017**

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	2		
5		Data Mining Task Primitives	1		
6		Integration of a Data Mining System with a Data Warehouse – Issues	1		
7		Data Preprocessing	2		
		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

PREPARED BY
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APPROVED BY
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HOD-CSE