

LESSON PLAN

Contact Hour (Cumulative)	Unit No.	Topic	Teaching(*) Methodology	Remarks
(1) 1	<u>Unit I</u>	An overview of Data warehouse	B.B	
(2) 5		A multidimensional data model	B.B	
(3) 1		Data warehouse Architecture.	PPT	
(4) 4		Data warehouse Implementation.	PPT Projector	
(5) 1		From Data warehouse to Data mining	PPT	
(6) 5	<u>Unit II</u>	Introduction to Data mining	B.B.	
(7) 1		motivating challenges	B.B.	
(8) 4		The origin of Data mining	B.B.	
(9) 1		Data mining Tasks.	B.B	
(10) 5		Types of Data	B.B.	
(11) 1		Data Quality	B.B.	
(12) 4		Aggregation, Sampling	B.B.	
(13) 1		Dimensionality Reduction	B.B.	
(14) 5		Feature subset Selection.	B.B	
(15) 1		feature Creation.	B.B.	
(16) 4		Discretization	B.B	
(17) 1		Binarization	B.B	
(18) 5		Variable Transformation	B.B.	
(19) 1		Measure of Similarity	B.B	
(20) 4		Measure of Dissimilarity	B.B	

*Black Board / LCD / OHP / Other Method

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(21) 1	<u>U-III</u>	General Approach of Solving a Classification problem	B.B.
(22) 5		Decision Tree	PPT
(23) 1		Induction: working of Decision Tree	PPT
(24) 4		Building a decision Tree	PPT
(25) 1		Methods for Expressing an Attribute test	PPT
(26) 5		Measure of Selecting Best Split	PPT
(27) 1		Algorithm for decision Tree Induction	PPT
(28) 4		Model overfit due to noise	B.B.
(29) 1		Model overfit due to lack of representation	B.B.
(30) 5		Evaluation the performance of Classifier.	B.B.
(31) 1		Holdout Method Random Sub sampling	B.B.
(32) 4		Cross-validation	B.B.
(33) 1		Boot-Strap	B.B.
(34) 5		Bayes Theorem	PPT
(35) 1		Naive Bayes Classifier	PPT
(36) 4	<u>U-IV</u>	Associate Analysis.	B.B.
(37) 1		Problem definition	B.B.
(38) 5		Frequent Itemset Generation	PPT
(39) 1		A priori principle	PPT
(40) 4		A priori Algorithm.	PPT

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