



VEMANA INSTITUTE OF TECHNOLOGY

Koramangala, Bengaluru - 34

Department of Computer Science & Engineering



Subject	DATA MINING & DATA WAREHOUSING	15CS651
COURSE OUTCOMES		
CO No.	On completion of this course, students will be able to:	Cognitive Level
15CS651.1	Understand the Data Warehouses, Operational Data Stores (ODS) and OLAP characteristics.	L2
15CS651.2	Understand the data mining concept, application and their usage.	L2
15CS651.3	Analyze the frequent patterns using association analysis algorithms like apriori, FP-growth etc.	L4
15CS651.4	Understand the concept of classification, different classification algorithms and their applications.	L2
15CS651.5	Understand the concept of clustering and different cluster analysis methods.	L2

CO-PO-PSO MAPPING

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
15CS651.1	2	-	-	-	-	-	-	-	-	-	-	2	2	-	-
15CS651.2	2	-	-	-	-	-	-	-	-	-	-	2	2	-	-
15CS651.3	3	1	-	-	-	-	-	-	-	-	-	2	2	-	-
15CS651.4	2	2	-	-	-	-	-	-	-	-	-	2	2	-	-
15CS651.5	2	2	-	-	-	-	-	-	-	-	-	2	2	-	-
15CS651	2.0	1.7	-	-	-	-	-	-	-	-	-	2.0	2.0		

CO-PO-PSO JUSTIFICATION

CO No.	PO/PSO	CL	Justification
15CS651.1	PO1	2	Moderately mapped as students will be able to understand data Warehouses, Operational Data Stores (ODS) and OLAP characteristics.
	PO12	2	Moderately mapped as students can use the principles data warehouse and OLAP.
	PSO1	2	Moderately mapped as students can apply the principles of data Warehouses, Operational Data Stores (ODS) and OLAP characteristics for storing the data.
15CS651.2	PO1	2	Moderately mapped as students will be able to understand the data mining concept, application and their usage.
	PO12	2	Moderately mapped as students can use the data mining concept in various application.
	PSO1	2	Moderately mapped as students can apply the principles of data mining concept.
15CS651.3	PO1	2	Moderately mapped as students will be able to understand the frequent patterns using association analysis algorithms like apriori, FP-growth etc
	PO2	1	Slightly mapped as the students can identify and compare different association rule mining algorithms.
	PO12	2	Moderately mapped as the students can use frequent patterns using association analysis algorithms.
	PSO1	2	Moderately mapped as the students can apply the concepts of frequent patterns using association analysis algorithms in various applications.
15CS651.4	PO1	2	Moderately mapped as students will be able to understand the concept of classification, different classification algorithms and their applications
	PO2	2	Moderately mapped as the students can identify the classification, different classification algorithms.
	PO12	2	Moderately mapped as the students can use the concepts of classification, different classification algorithms to classify the data.
	PSO1	2	Moderately mapped as the students can apply the concepts of classification algorithms using label data.
15CS651.5	PO1	2	Moderately mapped as students will be able to understand the concept of clustering and different cluster analysis methods
	PO2	2	Moderately mapped as the students can identify various clustering algorithms for unsupervised data.
	PO12	2	Moderately mapped as the students can use the different cluster analysis methods.
	PSO1	2	Moderately mapped as the students can apply clustering evaluation for various algorithms.

Prepared by:

Approved by:

(Shilpa G V & Ruma Panda)

(H.o.D)