

BONAM VENKATA CHALAMAYYA INSTITUTE OF TECHNOLOGY AND SCIENCE (A) :: BATLAPALEM

MASTER OF COMPUTER APPLICATIONS (MCA) (For Two-Year PG Programme)

III Semester		L	T	P	C
		0	0	3	1.5
Data Warehousing And Mining Lab (23MC3L08)					

COURSE OBJECTIVES:

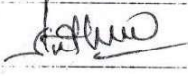
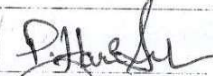



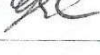
1. Learn how to build a data warehouse and query it (using open source tools like Pentaho Data Integration Tool, Pentaho Business Analytics).
2. Learn to perform data mining tasks using a data mining toolkit (such as opensource WEKA).
3. Understand the data sets and data preprocessing.
4. Demonstrate the working of algorithms for data mining tasks such association rule mining, classification, clustering and regression.
5. Exercise the data mining techniques with varied input values for different parameters.
6. To obtain Practical Experience Working with all real datasets.

COURSE OUTCOMES:

1. Ability to add mining algorithms as a component to the existing tools
2. Demonstrate the classification, clustering and etc. in large data sets.
3. Ability to apply mining techniques for realistic data

Experiments:

1. Demonstration of preprocessing on dataset student. arff 2
2. Demonstration of preprocessing on dataset labor. arff
3. Demonstration of Association rule process on dataset contact lenses. arff using apriority algorithm
4. Demonstration of Association rule process on dataset test. arff using apriority algorithm
5. Demonstration of classification rule process on dataset student. arff using j48 algorithm
6. Demonstration of classification rule process on dataset employee .arff using j48 algorithm
7. Demonstration of classification rule process on dataset employee. arff using id3 algorithm
8. Demonstration of classification rule process on dataset employee. arff using naïve bayes algorithm
9. Demonstration of clustering rule process on dataset iris. arff using simple k-means
10. Demonstration of clustering rule process on dataset student. arff using simple k-means

University Nominee: Dr. Suneetha Eluri		Alumni Member Mr. Harisuresh Poliseti	
Subject Expert:1 Dr. B Kezia Rani,		Chairman : Mr. AVS M Ganesh	
Subject Expert: 2 Dr. Suneel Kumar Duvvuri		Member: Mr. G L N V S Kumar	
Representative from Industry, Mr. Narina Saikrishna	