SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
Sree Sainath Nagar, A. Rangampet – 517 102

Department of Computer Science and Systems Engineering

Report on

Expert lecture on "Clustering Methods"

Dr. R.B.V Subramanyam, Associate Professor, NIT – Warangal delivered an Guest lecture on "**Clustering Methods**" for **III B.Tech CSSE** students in EDCell on **7th December, 2013 (Saturday)**.

Dr. **R.B.V Subramanyam** had enlightened the students on How the Clustering work and also discussed on issues and challenges of clustering in real time environment . He also explained on different types of data applied to clustering and measures used while grouping similar and dissimilar objects such as Minkowski Distance, Euclidean Distance, Manhattan Distance, Maximum Distance, Simple Matching Coefficient, Jaccard Coefficient. He discussed real time examples on supervised and unsupervised clustering Techniques.

He had explained about role of clustering data mining applications such as scientific data exploration, information retrieval and text mining, spatial database applications, Web analysis, CRM, marketing, medical diagnostics, computational biology, and many others. Then he discussed on Partitioning , Hierarchical , Density based clustering methods. He given demonstration on K-means and K-Medoids , Agglomerative clustering Techniques. He also presented a demonstration about his research.