

DEPARTMENT OF COMPUTER SCIENCE AND SYSTEMS ENGINEERING

A Guest lecture on "Clustering Methods"

The Department of Computer Science and Systems Engineering organized an Guest lecture on "**Clustering Methods**", by **Dr. R.B.V Subramanyam**, Associate Professor, NIT – Warangal, for III B.Tech CSSE students in EDCell on 7th December, 2013 (Saturday).

Dr. R.B.V Subramanyam enlightened the students on how the Clustering works and also discussed on issues and challenges of clustering in real time environment . He also explained 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.



***Dr. R.B.V Subramanyam**, delivering the lecture*



Participants listening the lecture

Dr. R.B.V Subramanyam 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.

55 students gained knowledge on information retrieval and text mining, spatial database applications, Web analysis, CRM, marketing and medical diagnostics.