Prof. Vyas, Head of Department der University Raipur, Indien

Tutorial on Data Mining Concepts and techniques: An Overview
(~ 06 Hrs.)
(02 Hrs. x 3 times)

Need & motivation for Data Mining, Knowledge Discovery in Databases (KDD), Data Mining and Machine learning. Data mining functionalities-Association Analysis, Classification Analysis, Clustering Analysis.

**Association Rule Mining:** Apriori Algorithm-Finding Frequent itemsets using Candidate Generation, Generating Association rules. Improving the efficiency of Apriori Algorithm and recent developments. Application domain.

**Classification & Prediction mechanism:** Classification and Regression, various Classifiers-Decision tree,Bayesian classifier and Classification by backpropagation. Recent development in Classification methods. Prediction mechanism.

**Cluster analysis:** Categorization of various Clustering methods.Outlier Analysis.Application domain.

Data Mining Technology Integration, Decision Support System and Business Intelligence

Di., 26.06.2007  15:00 - 17:00, Raum 309, Albert Einstein Strasse 21
Do 28.06.2007  8:30 - 10:15, Raum 11, Bibliothek, Südstadt
Do 28.06.2007  10:30 - 12:30, Raum 11, Bibliothek, Südstadt