**Course: Advanced Bioinformatics**

**Module title: Knowledge Discovery Techniques**

**Module no: 179**

**Knowledge DiscoveryTechniques**

* Naïve Bayles’s classifier
* Decision Tree
* Neural Networks
* Association rulemining
* Clustering data

**Knowledge DiscoveryTechniques**

* Naïve Bayes classifier applied to the problemof embryo selection.
* Decision tree techniques to develop and validate a measure of risk stratification forin-hospital mortalitydue to acute decomposition heart failure
* Neural networks topredict which patients would experienceearly failure ofperitoneal dialysis
* Clustering as a data preprocessing step
* Association rule mining to create rules about co-occurrenceof pathology tests in data collected in the health insurance industry, specifically an episode(claims) database