

**DISTRIBUTED AND IMPROVED UP-GROWTH APPROACH FOR UTILITY
BASED MINING****A.Pio Sajin*¹, R. Aswini²**

¹Asst. Prof, Computer Science and Engineering Department, Sathyabama University,
Chennai, India.

²M.E Student, Computer Science and Engineering, Sathyabama University, Chennai, India.

ABSTRACT

Data mining is the well known methodology in extracting hidden predictive information from large databases. Number of algorithms like k-means, Apriori, FP-growth and Naïve Bayes has been emerged for mining patterns based on different perspectives. Numbers of researches are carried out in improvising these algorithms. In this system UP-growth, one of the popular algorithms in mining high utility itemset is considered and improvised under different constraints. The Node utility (NU) and Minimum Node Utility (MNU) are the aspects considered as the key term in the proposed system for mining high utility itemset from Transactional database. However, working the system as a sequential process will be time consuming. The proposed system overcomes the concern by introducing the system under distributed environment.

Keywords: Distributed environment, Node utility, Minimum Node utility.