**Abstract**

Data mining has successfully yielded a large number of tools, different methods, various algorithms and a range of approaches for handling large amounts of data for various problem solving. Data mining has become the essential part of many areas such as business intelligence, decision support systems, data warehousing, bio-informatics, predictive analytics etc,. The main of objective is to effectively handle large scale data, extract patterns, and gain intuitive knowledge. Knowledge discovery in databases includes Data Mining as main part. This paper presents comparisons of various algorithms necessary for handling large data sets. A vast range of structures and methods applied to manipulate big data are defined. This review discusses about the process of the algorithm, its advantages and disadvantages. This paper evaluates the efficiency of certain algorithms that the data mining users can select and apply on which algorithm that they will be searching for problem solving. The main aim of this paper is to provide the users with a review about the algorithms for data mining.