**MODIFIED K-MEANS FOR IMPROVING EFFICIENCY AND ACCURACY**

**ABSTRACT**

**Cluster Analysis is one of the Data Mining techniques used to discover patterns and knowledge through different algorithmic techniques such as K-Means.**

**K-Means is used to cluster data objects upon the specification of k-centroids. This is done mainly by calculating euclidean distances between data objects and that of the nearest centroid.**

**But there's a major drawback in this algorithm. The random distribution of centroids disturbs the overall cluster formation and thus, many a times data objects shifts to undesired cluster.**

**So, to remove those conflicts, a modified implementation of the algorithm is proposed in this project. Initial distribution of centroid is taken in grant such that accuracy of cluster formation and placement of data objects is improved.**