

# CSE4214 Pattern Recognition Lab

## Experiment No 4

### Implementing K-Means Clustering

#### Problem Description:

1. Take input from the given source data file and plot all the points.
2. Perform the k-means clustering algorithm applying Euclidean distance as a distance measure on the given dataset. The value of k will be taken from user.
3. Color the corresponding points on the clusters with different colors.

Take random points from the given data as initial centroids.

#### Marks Distribution:

Task	Mark
1	2
2	5
3	3

#### Sample Output:

For k = 2,

