**Problem 1**

1. Copy ‘seeds.txt’ to ‘problem1’ folder
2. Change the ‘K’ value in ‘K\_MEANS’ program as desired.
3. Run the ‘K\_MEANS’ program.
4. The “AverageSSE” value is displayed.

**Problem 2**

1. Copy all dataset files to ‘problem2’ folder.
2. ’main’ program consists of all 3 train, test, unlabeled matrices & class labels of both datasets. ‘Accuracy\_random\_MR’ calculates accuracy of Random Sampling of ‘MindReading’ dataset and ‘Accuracy\_uncertain\_MR’ calculates accuracy of Uncertainty Based Sampling of ‘MindReading’ dataset. ‘Accuracy\_random\_MMI’ calculates accuracy of Random Sampling of ‘MMI’ dataset and ‘Accuracy\_uncertain\_MMI’ calculates accuracy of Uncertainty Based Sampling of ‘MMI’ dataset
3. Run the ‘main’ program.
4. The “Accuracy” values are shown in graphs ‘Figure1’ for ‘MindReading’ and ‘Figure2’ for ‘MMI’ where ‘blue’ curve is for random sampling and ‘red’ for uncertainty based sampling.