**SRM University – AP, Amaravati**

**Introduction to Machine Learning**

**Lab 08: K NN**

1. Implement K-NN Classifier for classification of any dataset of your choice.
   1. Load an existing data set
   2. Split the data set to train and test sets
   3. Test your model using test set. Find accuracy and confusion Matrix.
   4. Examine the effect of the value of K on accuracy/performance. Plot the curve “k vs accuracy” and find out the value of k for maximum accuracy for the test samples.

**NOTE:** Don’t use any library. Develop a generalised function to implement K-NN Classifier.