## Machine Learning Laboratory

## (410302)

## BE Sem I Honors in AI/ML

### Academic Year: 2023-24

Lab Assignment No.8

**Problem Statement:**

Write a program to solve a problem using K-Means algorithm in python

**Objective**

Lab Exercise 1

1. Use iris flower dataset from sklearn library and try to form clusters of flowers using petal width and length features. Drop other two features for simplicity.
2. Figure out if any pre-processing such as scaling would help here
3. Draw elbow plot and from that figure out optimal value of k