ML Lab (M. Tech)

Assignment 7

Total Marks: 20

- 1. Implement the single layer perceptron (SLP) for the OR and AND problem. Please make sure the followings: Marks: 10
 - a. Activation function is threshold activation.
 - b. Train the model for different learning rates (LR), where 0<LR<1. Train for 5 different learning rates and plot the training curve (epoch vs training accuracy).
 - c. Weight initialization should be between -0.3 to 0.3
- 2. Implement the KNN classifier over the IRIS dataset Marks: 10

Note: Please do not use any library function/packages