Machine Learning Lab, B.Tech 5th Semester (CS32)

Instructions

1. This is only for practice. Complete it by 12:00 PM today. Your completion will be reviewed by the Teaching Assistants.

Practice Assignment 8

1. Implement the perceptron learning algorithm for AND logic gate with 2-bit binary input. Finally report the overall accuracy on training samples (no separate splitting is necessary for train/test/validation).
2. Design multi-class classification problem for the Wine dataset using sigmoid neuron. Finally report the class-wise accuracy, precision, recall on training and testing samples.