School of Computer Science and Engineering, VIT Chennai.

BCSE209L Machine Learning

**Lab-9 Perceptron and Neural Network**

Faculty : Dr. R. Jothi

Submit your python code (Jupyter notebook)

Q1. Implement a perceptron model to realize AND gate. Start with the weights as [0.5, 0.5]. Update the weights using perceptron learning algorithm. Print the model parameters after every epoch. Use suitable learning rate.

Q2. Design a perceptron network to classify Iris plants into three species. Need to draw the network architecture and upload it in LMS along with python notebook. Implement the same with Sklearn library (MLP classifier). Fine tune the hyper parameters to get maximum accuracy.