**Assignment A01**

Write a Python program to plot a few activation functions that are being used in neural networks.

**Assignment A02**

Generate ANDNOT function using McCulloch-Pitts neural net by a python program.

**Assignment A03**

Write a Python Program using Perceptron Neural Network to recognise even and odd numbers. Given numbers are in ASCII form 0 to 9

**Assignment A04**

With a suitable example demonstrate the perceptron learning law with its decision regions using python. Give the output in graphical form.

**Assignment A07**

Implement Artificial Neural Network training process in Python by using Forward Propagation, Back Propagation.

**Assignment A08**

Create a Neural network architecture from scratch in Python and use it to do multi-class classification on any data. Parameters to be considered while creating the neural network from scratch are specified as:

(1) No of hidden layers : 1 or more

(2) No. of neurons in hidden layer: 100

(3) Non-linearity in the layer : Relu

(4) Use more than 1 neuron in the output layer.

Use a suitable threshold value Use appropriate Optimisation algorithm

**Assignment B01**

Write a python program to show Back Propagation Network for XOR function with Binary Input and Output

**Assignment B02**

Write a python program to illustrate ART neural network.

**Assignment B03**

Write a python program in python program for creating a Back Propagation Feed-forward neural network

**Assignment C01**

TensorFlow/Pytorch implementation of CNN