

1. Write a Python program for Bidirectional Associative Memory with two pairs of vectors.
2. Write a Python program to plot a few activation functions that are being used in neural networks.
3. Generate AND NOT function using McCulloch-Pitts neural net by a Python program.
4. Write a Python Program using Perceptron Neural Network to recognise even and odd numbers. Given numbers are in ASCII form, 0 to 9
5. With a suitable example, demonstrate the perceptron learning law with its decision regions using Python. Give the output in graphical form.
6. Write a Python program to illustrate the ART neural network.
7. Write a Python program to design a Hopfield Network which stores 4 vectors.
8. How to Train a Neural Network with TensorFlow / Pytorch and evaluation of logistic regression using TensorFlow.
9. TensorFlow / Pytorch implementation of CNN.
10. MNIST Handwritten Character Detection using PyTorch, Keras and TensorFlow.