

Assignment # 6

Course: Artificial Neural Networks

Class: BSCS-5

Dear Students

Here is your 6th assignment. This is related to the development of an artificial neural network using TensorFlow as per details given below.

Design an Artificial Neural Network using Tensorflow with an input layer with 784 neurons, hidden layers with 128 neurons and an output layer with 10 neurons to classify handwritten digits. You can use the MNIST data set. It is available online and can be downloaded from TensorFlow website as well. Please create a virtual environment named “annWork” in you pc and install TensorFlow and other dependencies in that environment. Train the Model on 5/10/20 epochs. You can use Relu activation function in hidden layers and Sigmoid in the output layer.

Thank you and Good Luck