Program files in the folder

main.m

initialization.m

load\_dataset.m

activation.m

training.m

testing.m

plotfigure.m

To run the program, download all the MATLAB files from the zip PA3\_Tharani\_Maaneeivaannan and open the main.m code with all the files and click run. (Make sure the train.txt and test.txt in the same folder). Run time takes from 20 minutes to more than 2 hours depending on the number of hidden layers.

To select the number of hidden layers to build ANN, go to the initialization.m and uncomment the line to run the ANN with different hidden layers. The graphs for each hidden layers is given in the report.