

Better accuracy was observed With 2 hidden layers: 784, 50, 40, 10 than 1 hidden layer 784 100 10.

Best accuracy was observed for  $\alpha = 0.006$  (keeping no iterations = 1000)  
Decreasing the  $\alpha$  to 0.001 required no of iterations to be increased to get same accuracy.  
 $\alpha$  greater than 0.006 (example 0.01) gave less accuracy.

Optimal no of neuron was found to be 40-80 in hidden layer.