

RESULTS

S.no.	Experiment	Train acc.	Test acc.	Val acc.
1	Base code (alternative use of Relu and tanh activation function)(starting with tanh)	98.708	99.06	98.625
2.	All layers having activation function as tanh	98.285	98.76	98.15
3.	Alternative use of Relu and tanh activation function)(starting with Relu function)	98.49	98.97	98.475
4.	Using leaky_relu activation in every layer	98.613	99.23	98.6
5.	Changing dropout from p=0.2 to p=0.4	98.085	99.04	98.483
6.	Changing dropout from p=0.2 to p=0.15	98.746	99.14	98.75
7.	Changing learning rate from lr=0.0003 to 0.0008	98.723	99.16	98.50
8	A new fully connected layer was added with in_features=10,out_features=10 (new number of parameters =8315)	98.542	99.07	98.525
9.	Number of neurons changed in the last fc layer(in_features=40, out_features=10)	98.35	99.09	98.56
10	Kernel size =2 from kernel size =3	98.65	99.15	98.46