

Project Development Phase
Model Performance Test

Team ID	PNT2022TMID33904
Project Name	A novel method for handwritten digit recognition
Maximum Marks	10 Marks

Model Performance Testing:

s . n o	parameter	values	screenshot
1	Model summary		<pre>[] Model Fit [] model.fit(x_train,y_train,validation_data=(x_test,y_test),epochs=5,batch_size=32) Epoch 1/5 [=====] - 196s 180ms/step - loss: 0.1832 - accuracy: 0.9538 - val_loss: 0.0725 - val_accuracy: 0.9778 Epoch 2/5 [=====] - 196s 180ms/step - loss: 0.0634 - accuracy: 0.9884 - val_loss: 0.0668 - val_accuracy: 0.9882 Epoch 3/5 [=====] - 191s 182ms/step - loss: 0.0439 - accuracy: 0.9884 - val_loss: 0.0695 - val_accuracy: 0.9772 Epoch 4/5 [=====] - 188s 180ms/step - loss: 0.0341 - accuracy: 0.9884 - val_loss: 0.0723 - val_accuracy: 0.9769 Epoch 5/5 [=====] - 188s 180ms/step - loss: 0.0257 - accuracy: 0.9915 - val_loss: 0.1002 - val_accuracy: 0.9785 keras.callbacks.History at 0x7528f681d0</pre>
2	Accuracy	Training Accuracy - Validation Accuracy -	<pre>[] #observing metrics [] metrics = model.evaluate(x_test,y_test,verbose=0) print("Accuracy : ",metrics) Accuracy : [0.10216567665338516, 0.9785000085830688] []</pre>
