


Project Development Phase Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID34853
Project Name	Project –A Novel Handwritten Digit recognition System
Maximum Marks	10 Marks

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Values	Screenshot
1.	Model Summary	-Handwritten Digit Recognition is use to Recognize the handwritten Digit.	
2.	Accuracy	Training Accuracy - 99.4% Validation Accuracy -97.6%	<div> <div>Train the model</div> <pre>[] model.fit(x_train, y_train, validation_data=(x_test, y_test), epochs=5, batch_size=32)</pre> <pre>Epoch 1/5 1875/1875 [=====] - 189s 101ms/step - loss: 0.2617 - accuracy: 0.9476 - val_loss: 0.0952 - val_accuracy: 0.9728 Epoch 2/5 1875/1875 [=====] - 182s 97ms/step - loss: 0.0720 - accuracy: 0.9783 - val_loss: 0.0830 - val_accuracy: 0.9750 Epoch 3/5 1875/1875 [=====] - 180s 96ms/step - loss: 0.0510 - accuracy: 0.9846 - val_loss: 0.0832 - val_accuracy: 0.9766 Epoch 4/5 1875/1875 [=====] - 181s 97ms/step - loss: 0.0412 - accuracy: 0.9873 - val_loss: 0.0857 - val_accuracy: 0.9772 Epoch 5/5 1875/1875 [=====] - 179s 96ms/step - loss: 0.0303 - accuracy: 0.9904 - val_loss: 0.1200 - val_accuracy: 0.9760 <keras.callbacks.History at 0x7fbcca75b910></pre> </div>