

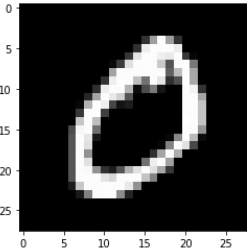
Project Development Phase

Performance Test

Date	15 November 2022
Team ID	PNT2022TMID35466
Project Name	Project – A novel method for handwritten digit recognition
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	Loss: 0.0181 Val_loss:0.1560	<p>----- Prediction -----</p>  <p>Final Output: 0</p>
2.	Accuracy	Training Accuracy - 97.87 Validation Accuracy -95.48	<pre>n [36]: training = model.Fit(X_train, Y_train, validation_data = (X_val, Y_val), batch_size = 64, epochs = 5, verbose = 1)</pre> <p>Epoch 1/5 5/5 [=====] - 98s 170ms/step - loss: 0.2151 - accuracy: 0.9339 - val_loss: 0.8728 - val_accuracy: 0.9771</p> <p>Epoch 2/5 5/5 [=====] - 88s 170ms/step - loss: 0.0715 - accuracy: 0.9778 - val_loss: 0.8762 - val_accuracy: 0.9767</p> <p>Epoch 3/5 5/5 [=====] - 88s 165ms/step - loss: 0.0538 - accuracy: 0.9829 - val_loss: 0.8698 - val_accuracy: 0.9805</p> <p>Epoch 4/5 5/5 [=====] - 88s 169ms/step - loss: 0.0453 - accuracy: 0.9858 - val_loss: 0.8416 - val_accuracy: 0.9889</p> <p>Epoch 5/5 5/5 [=====] - 88s 169ms/step - loss: 0.0388 - accuracy: 0.9878 - val_loss: 0.8578 - val_accuracy: 0.9832</p>