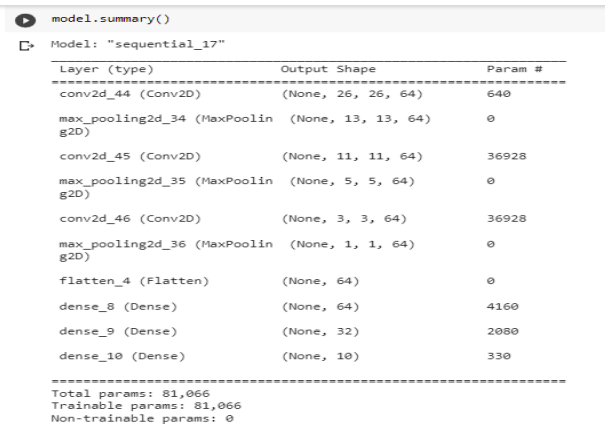
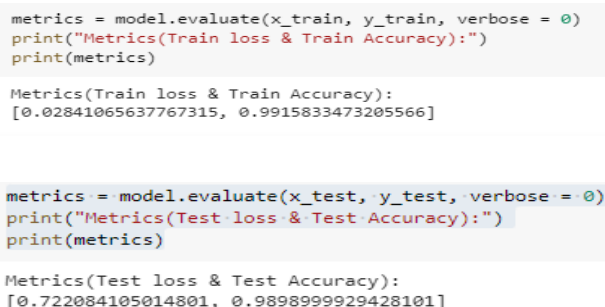


Project Development Phase Model Performance Test

Date	18 November 2022
Team ID	PNT2022TMID47342
Project Name	A Novel method for Handwritten digit Recognition
Maximum Marks	10 Marks

Model Performance Testing:

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

S.No.	Parameter	Values	Screenshot
1.	Model Summary	-	 <pre> model.summary() Model: "sequential_17" Layer (type) Output Shape Param # ----- conv2d_44 (Conv2D) (None, 26, 26, 64) 640 max_pooling2d_34 (MaxPoolin (None, 13, 13, 64) 0 g2D) conv2d_45 (Conv2D) (None, 11, 11, 64) 36928 max_pooling2d_35 (MaxPoolin (None, 5, 5, 64) 0 g2D) conv2d_46 (Conv2D) (None, 3, 3, 64) 36928 max_pooling2d_36 (MaxPoolin (None, 1, 1, 64) 0 g2D) flatten_4 (Flatten) (None, 64) 0 dense_8 (Dense) (None, 64) 4160 dense_9 (Dense) (None, 32) 2080 dense_10 (Dense) (None, 10) 330 ----- Total params: 81,066 Trainable params: 81,066 Non-trainable params: 0 </pre>
2.	Accuracy	Training Accuracy - Validation Accuracy -	 <pre> metrics = model.evaluate(x_train, y_train, verbose = 0) print("Metrics(Train loss & Train Accuracy):") print(metrics) Metrics(Train loss & Train Accuracy): [0.02841065637767315, 0.9915833473205566] metrics = model.evaluate(x_test, y_test, verbose = 0) print("Metrics(Test loss & Test Accuracy):") print(metrics) Metrics(Test loss & Test Accuracy): [0.722084105014801, 0.9898999929428101] </pre>