

Project Development Phase Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID46416
Project Name	Project – A Novel Method for 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	-	<pre> Model: "sequential" Layer (type) Output Shape Param # ----- conv2d (Conv2D) (None, 26, 26, 64) 640 conv2d_1 (Conv2D) (None, 24, 24, 32) 18464 flatten (Flatten) (None, 18432) 0 dense (Dense) (None, 10) 184330 ----- Total params: 203,434 Trainable params: 203,434 Non-trainable params: 0 </pre>
2.	Accuracy	Training Accuracy - Validation Accuracy -	<p>The top graph displays the loss function over 4 epochs. The training loss (blue line) starts at approximately 0.27 and decreases steadily to about 0.03 by epoch 4. The validation loss (red line) starts at approximately 0.08 and increases slightly to about 0.10 by epoch 4. The bottom graph displays the accuracy over 4 epochs. The training accuracy (blue line) starts at approximately 0.95 and increases steadily to about 0.99 by epoch 4. The validation accuracy (red line) starts at approximately 0.975 and increases slightly to about 0.978 by epoch 4.</p>

