

Project Development Phase Model Performance Test

Team ID	PNT2022TMID24646
Project Name	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	- Model: "sequential_1"	<div>Model: "sequential"</div> <table><thead><tr><th>Layer (type)</th><th>Output Shape</th><th>Param #</th></tr></thead><tbody><tr><td>conv2d (Conv2D)</td><td>(None, 26, 26, 64)</td><td>640</td></tr><tr><td>conv2d_1 (Conv2D)</td><td>(None, 24, 24, 32)</td><td>18464</td></tr><tr><td>flatten (Flatten)</td><td>(None, 18432)</td><td>0</td></tr><tr><td>dense (Dense)</td><td>(None, 10)</td><td>184330</td></tr></tbody></table> <div>Total params: 203,434 Trainable params: 203,434 Non-trainable params: 0</div> <div>None</div>	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															
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2.	Accuracy	Training Accuracy - 0.9805333614349365 Validation Accuracy – 0.9735000133514404	<table><caption>Accuracy Data Points (Estimated from Graph)</caption><thead><tr><th>Epoch</th><th>Training Accuracy</th><th>Validation Accuracy</th></tr></thead><tbody><tr><td>0</td><td>0.992</td><td>0.978</td></tr><tr><td>5</td><td>0.993</td><td>0.976</td></tr><tr><td>10</td><td>0.994</td><td>0.974</td></tr><tr><td>15</td><td>0.994</td><td>0.975</td></tr><tr><td>20</td><td>0.994</td><td>0.976</td></tr><tr><td>25</td><td>0.994</td><td>0.975</td></tr><tr><td>30</td><td>0.995</td><td>0.975</td></tr><tr><td>35</td><td>0.995</td><td>0.977</td></tr><tr><td>40</td><td>0.995</td><td>0.979</td></tr></tbody></table>	Epoch	Training Accuracy	Validation Accuracy	0	0.992	0.978	5	0.993	0.976	10	0.994	0.974	15	0.994	0.975	20	0.994	0.976	25	0.994	0.975	30	0.995	0.975	35	0.995	0.977	40	0.995	0.979
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