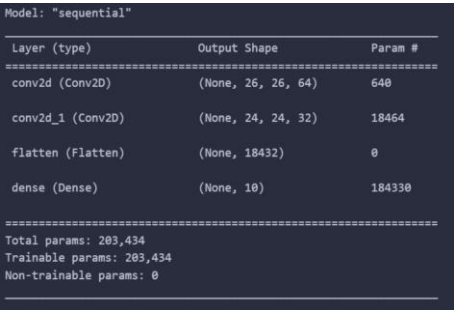
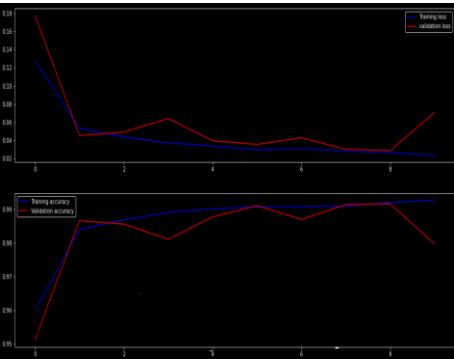


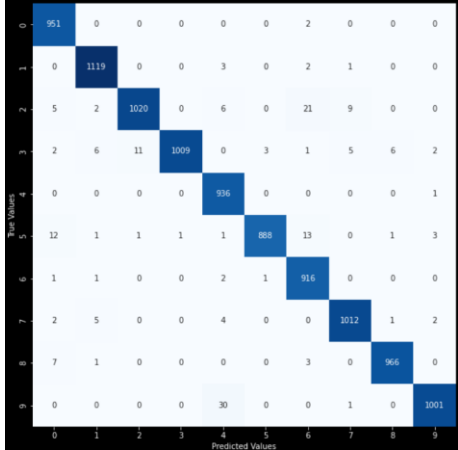
Project Development Phase Model Performance Test

Date	17 November 2022
Team ID	PNT2022TMID14907
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		
2.	Accuracy	<p>Training Accuracy - 99.14%</p> <p>Validation Accuracy - 97.76%</p> <p>Training Loss - 2.70%</p> <p>Validation Loss – 10.36%</p>	

3.	Confusion Matrix																																																																							
4.	Classification Report	<table><tr><th></th><th>precision</th><th>recall</th><th>f1-score</th><th>support</th></tr><tr><td>0</td><td>1.00</td><td>0.97</td><td>0.98</td><td>980</td></tr><tr><td>1</td><td>0.99</td><td>0.99</td><td>0.99</td><td>1135</td></tr><tr><td>2</td><td>0.96</td><td>0.99</td><td>0.97</td><td>1032</td></tr><tr><td>3</td><td>0.97</td><td>1.00</td><td>0.98</td><td>1010</td></tr><tr><td>4</td><td>1.00</td><td>0.95</td><td>0.98</td><td>982</td></tr><tr><td>5</td><td>0.96</td><td>1.00</td><td>0.98</td><td>892</td></tr><tr><td>6</td><td>0.99</td><td>0.96</td><td>0.97</td><td>958</td></tr><tr><td>7</td><td>0.99</td><td>0.98</td><td>0.99</td><td>1028</td></tr><tr><td>8</td><td>0.99</td><td>0.99</td><td>0.99</td><td>974</td></tr><tr><td>9</td><td>0.97</td><td>0.99</td><td>0.98</td><td>1009</td></tr><tr><td>accuracy</td><td></td><td></td><td>0.98</td><td>10000</td></tr><tr><td>macro avg</td><td>0.98</td><td>0.98</td><td>0.98</td><td>10000</td></tr><tr><td>weighted avg</td><td>0.98</td><td>0.98</td><td>0.98</td><td>10000</td></tr></table>		precision	recall	f1-score	support	0	1.00	0.97	0.98	980	1	0.99	0.99	0.99	1135	2	0.96	0.99	0.97	1032	3	0.97	1.00	0.98	1010	4	1.00	0.95	0.98	982	5	0.96	1.00	0.98	892	6	0.99	0.96	0.97	958	7	0.99	0.98	0.99	1028	8	0.99	0.99	0.99	974	9	0.97	0.99	0.98	1009	accuracy			0.98	10000	macro avg	0.98	0.98	0.98	10000	weighted avg	0.98	0.98	0.98	10000
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