Project Development Phase Model Performance Test

Date	16 November 2022
Team ID	PNT2022TMID36931
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		conv2d (Conv2D) (None, conv2d_1 (Conv2D) (None, flatten (Flatten) (None, dense (Dense) (None,	26, 26, 64) 640 24, 24, 32) 18464 18432) 0
2.	Accuracy	Training Accuracy - 99% Validation Accuracy - 97%	0.25 0.20 0.15 0.10 0.05 0.0 0.5 1.0 1.5 0.99 0.98 0.99 0.96 0.95 0.0 0.5 1.0 1.5	Training loss validation loss 2.0 2.5 3.0 3.5 4.0 Training accuracy Validation accuracy 2.0 2.5 3.0 3.5 4.0

3.	Confusion Matrix		Confusion matrix											
			0 -	968	1	2	0	0	1	4	0	3	1	
			1 -	1	1124	3	1	0	3	2	0	1	0	- 1000
			2 -	2	6	1011	0	2	0	2	6	3	0	
			3 -	0	0	6	982	0	13	0	3	2	4	- 800
			- p q	1	0	2	0	957	0	3	1	1	17	- 600
			True label	1	0	0	3	0	881	4	0	2	1	
			6 -	7	3	0	0	3	6	938	0	1	0	- 400
			7 -	0	5	16	2	3	1	0	994	0	7	
			8 -	7	1	4	1	1	3	3	5	943	6	- 200
			9 -	4	6	2	2	8	9	0	7	4	967	
				-0	-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\	<u>ν</u>	3	<u> </u>	5	6	1	φ	9	□ ₀
					,	•			ed lab		·		,	
4.	Classification Report					pre	cisi	on	rec	all	f1-s	core	sup	port
					0		0.9	98	e	.99		0.98		980
					1		0.9			.99		0.99		1135
					2		0.9 0.9			9.98		0.97 0.98		1032 1010
					4		0.			.97		0.98		982
							0.			.99		0.97		892
					6		0.9	98	e	.98		0.98		958
							0.9	98	е	.97		0.97		1028
					8		0.9			.97		0.98		974
					9		0.9	96	e	.96		0.96		1009
		acq		accı	uracy							0.98	1	.0000
			r	nacro	o avg		0.9	98	e	.98		0.98	1	.0000
			weig	ghte	d avg		0.9	98	e	.98		0.98	1	.0000