Project Development Phase Model Performance Test

Date	16 November 2022
Team ID	PNT2022TMID24889
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		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 None
2.	Accuracy	Training Accuracy - 99% Validation Accuracy - 97%	0.25

3.	Confusion Matrix					Con	fusio	n ma	atrix						_
		0-	968	1	2	0	0	1	4	0	3	1			
		1 -	1	1124	3	1	0	3	2	0	1	0		- 100)0
		2 -	2	6	1011	0	2	0	2	6	3	0		- 800	0
		3 -	0	0	6	982	0	13	0	3	2	4			
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		월 5 -	1	0	0	3	0	881	4	0	2	1			
		6 -	7	3	0	0	3	6	938	0	1	0		- 400)
		7 -	7	5	16	2	3	1	0	994	943	7		- 200	o
		8 -	4	6	2	2	8	9	0	7	4	967			
		91	0	- ->	ı	3	b.	5	6	1	9	9			
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4.	Classification Report				pre	ecisi	on	ra	call	£1_	scor	ъ	supp	ort	$\overline{}$
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				1 2 3 4 5 6		0.0.0.0.0.	98 98 97 99 98 96 98		0.99 0.99 0.98 0.97 0.97 0.99 0.98	11-	0.9 0.9 0.9 0.9 0.9	18 17 18 18 17 18	1: 10 10 1: 1:	980 135 932 910 982 982 958	
				1 2 3 4 5		0. 0. 0. 0. 0.	98 98 97 99 98 96 98		0.99 0.99 0.98 0.97 0.97 0.99		0.9 0.9 0.9 0.9 0.9	18 19 17 18 18 17 18	1: 10 1: 1: 1:	980 135 932 910 982 982	
				1 2 3 4 5 6 7		0. 0. 0. 0. 0.	98 98 97 99 98 96 98 98		0.99 0.99 0.98 0.97 0.97 0.99 0.98 0.97		0.9 0.9 0.9 0.9 0.9 0.9	18 19 17 18 18 17 18	1: 10 1: 1: 1:	980 135 932 910 982 392 958 928	
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		m	acro	1 2 3 4 5 6 7 8 9 uracy		9. 9. 9. 9. 9.	98 98 97 99 98 96 98 98 99		0.99 0.99 0.98 0.97 0.97 0.98 0.97 0.96		0.9 0.9 0.9 0.9 0.9 0.9 0.9	8 9 7 8 8 8 7 8 8 7 8 8 9 9	1: 10 10 10 10 100	980 135 932 910 982 392 958 928 974 909	