## Project Development Phase Model Performance Test

Date	20 November 2022
Team ID	PNT2022TMID26942
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 #
2.	Accuracy	Training Accuracy - 97% Validation Accuracy - 95%	0.25 -

3.	Confusion Matrix	Confusion matrix										
]	Comusion Waterix	0-	968	1	2	0	0 1	4	0	3	1	
		1-	1	1124	3	1	0 3	2	0	1	0	- 100
		2 -	2	6	1011	0	2 0	2	6	3	0	
		3 -	0	0	6	982	0 13	3 0	3	2	4	- 800
		- a pe	1	0	2	0 9	57 0	3	1	1	17	- 600
		True label	1	0	0	3	88	1 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	B 9	0	7	4	967	
			0	Ÿ	ว่		icted l		1	8	9	0
4.	Classification Report				pre	cision	1 1	ecal:	l f1	-scor	e s	support
				ø		0.98	;	0.9	9	0.9	8	980
				1		0.98						
				2				0.9	9	0.9		1135
						0.9		0.9 0.9 0.9	9 8			1135 1032 1010
						0.99 0.99	; ;	0.9	9 8 7	0.9 0.9 0.9	7 8 8	1032
				3 4 5		0.99 0.99 0.98	; ; ;	0.9 0.9 0.9	9 8 7 7 9	0.9 0.9 0.9 0.9	7 8 8 7	1032 1010 982 892
				3 4 5 6		0.98 0.98 0.98 0.98	; ; ;	0.99 0.99 0.99 0.99	9 8 7 7 9	0.9 0.9 0.9 0.9	7 8 8 7	1032 1010 982 892 958
				3 4 5		0.99 0.99 0.98	;	0.9 0.9 0.9	9 8 7 7 9 8	0.9 0.9 0.9 0.9	7 88 8 7 8	1032 1010 982 892
				3 4 5 6 7		0.98 0.98 0.98 0.98 0.98	, , , ,	0.99 0.99 0.99 0.99	9 8 7 7 9 8 7	0.9 0.9 0.9 0.9 0.9	7 8 8 7 8 7 8	1032 1010 982 892 958 1028
			accu	3 4 5 6 7 8		0.95 0.95 0.96 0.96 0.98	, , , ,	0.99 0.99 0.99 0.99	9 8 7 7 9 8 7	0.9 0.9 0.9 0.9 0.9	7 8 8 9 9 9 9 8 9 9 8 9 8	1032 1010 982 892 958 1028 974
		m	acro	3 4 5 6 7 8 9		0.95 0.96 0.96 0.96 0.98 0.96		0.99 0.99 0.99 0.99	9 8 7 7 9 8 8 7 7	0.9 0.9 0.9 0.9 0.9	7 8 8 7 8 7 8 9 8 9 8	1032 1010 982 892 958 1028 974 1009
		m	acro	3 4 5 6 7 8 9		0.95 0.95 0.96 0.96 0.98 0.98		0.99 0.99 0.99 0.99 0.99	9 8 7 7 9 8 8 7 7 7	0.9 0.9 0.9 0.9 0.9	98 98 97 98 97 98 96	1032 1010 982 892 958 1028 974 1009
		m	acro	3 4 5 6 7 8 9		0.95 0.96 0.96 0.96 0.98 0.96		0.99 0.99 0.99 0.99 0.99	9 8 7 7 9 8 8 7 7 7	0.9 0.9 0.9 0.9 0.9 0.9	98 98 97 98 97 98 96	1032 1010 982 892 958 1028 974 1009