## Project Development Phase Model Performance Test

Date	16 November 2022
Team ID	PNT2022TMID26939
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)
2.	Accuracy	Training Accuracy - 99% Validation Accuracy - 97%	0.25 - Training loss validation loss  0.15 - 0.0

3.	Confusion Matrix		Confusion matrix												
0.	comasion 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	
			label	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		
			8	0	>	'n	3 Pr	k redicte	ဗ် ed lab	6 oel	1	8	9	0	
4.	Classification Report					pro	ecisi	ion	re	call	f1-	scor	e s	upport	
				0 0.98			.98		0.99	.99 0.98			980		
					1 0.98 2 0.97 3 0.99 4 0.98 5 0.96				0.99		0.9		1135 1032 1010 982 892		
									0.98 0.97		0.9 0.9				
									0.97		0.9				
							96		0.99		0.9	7			
					6			98		0.98		0.9		958	
					7			.98		0.97		0.9		1028	
					8 9			.98 .96		0.97 0.96		0.9 0.9		974 1009	
							٠.	. 50		0.50		0.5		1003	
			accuracy macro avg						0.98		8	10000			
							0.98		0.9						
			weig	ghte	d avg		0.	.98		0.98		0.9	8	10000	
								· ·	· ·			· ·	· ·		