## 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	Screenshot							
1.	Model Summary		Model: "sequential"								
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Layer (type)	Output Shape	Param #						
			conv2d (Conv2D)	(None, 26, 26, 64)	640						
			conv2d_1 (Conv2D)  flatten (Flatten)	(None, 24, 24, 32) (None, 18432)	18464 0						
			dense (Dense)	(None, 10)	184330						
			Total params: 203,434 Trainable params: 203,4 Non-trainable params: 0								
2. Accuracy	Training Accuracy - 99.14%  Validation Accuracy - 97.76%	13 CD		Transg to							
		Training Loss - 2.70%	882 9 2								
		Validation Loss – 10.36%	The Thomas person (								

3.	Confusion Matrix		951	0	0	0	0	0	2	0	0	0
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		ъ.	0	0	0	0	30	0	0	1	0	1001
			Ö	i	Ż	3	4 Predicted	Š Values	6	7	8	9
4.	Classification Report											
					prec	ision	re	call	f1-se	core	suppo	ort
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				1 2		0.99		0.99		9.99	11	135
				3		0.96 0.97		0.99 1.00		9.97 9.98		932
						1.00		0.95		9.98		982
						0.96		1.00		9.98		392
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			8		0.99		0.99		9.99 9.99		974	
						0.97		0.99		9.98		99
				uracy						9.98	100	
			macr	o avg		0.98		0.98		9.98	100	
		we:	ighte	d avg		0.98	0	0.98		9.98	100	900
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