## Project Development Phase Model Performance Test

Date	16 November 2022
Team ID	IBM Project -55415-1668664168
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)								
			Total params: 203,434 Trainable params: 203,434 Non-trainable params: 0  None								
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 2.0 2.5 3.0 3.5 4.0 0.99 0.98 0.97 0.96 0.95 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0								

3.	Confusion Matrix	atrix Confusion matrix												
	Com asiem machix		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
				1	0	2	0	957	0	3	1	1	17	
			Frue label	1	0	0	3	0	881	4	0	2	1	- 600
				7	3	0	0	3	6	938	0	1	0	- 400
			6 -	0	5		2	3	1	0	994		7	400
			7 -			16								- 200
			8 -	7	1	4	1	1	3	3	5	943		
			9 -	4	6	2	2	8	9	0	7	4	967	
				0	<b>~</b>	2	ろ Pr	⊳ edicte	ら ed lab	6 el	1	<b>%</b>	9	
4.	Classification Report					nre	cisio	on	rec	all	f1-s	core	sun	port
٦.	Classification Report													
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						0.9			.98		0.99		1032	
			3 4 5			0.9	99	0	.97		0.98		1010	
						0.9			.97		0.98		982	
						0.9			.99		0.97		892	
					7		0.9			.98		<ul><li>0.98</li><li>0.97</li></ul>		958 1028
					8		0.9			.97		0.98		974
					9		0.9	96	0	.96		0.96		1009
			accuracy macro avg		accuracy							0.98	1	0000
						0.9	98	0	.98		0.98	1	0000	
			weig	hte	d avg		0.9	98	0	.98		0.98	1	0000