Project Development Phase Model Performance Test

Date	18 November 2022
Team ID	PNT2022TMID31213
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"									
				(None, 26, 26, 64)	18464							
				(None, 24, 24, 32) (None, 18432)	0							
				(None, 10)	184330							
			Total params: 203,434 Trainable params: 203,434 Non-trainable params: 0									
2.	Accuracy	Training Accuracy - 99%	0.25 - 0.20 - 0.15 -		Training loss validation loss							
		Validation Accuracy - 97%	0.10 -									
		3776	0.0 0.5 1.0	1.5 2.0 2.5 3.	0 3.5 4.0							
			0.98 -									
			0.97 - 0.96 - 0.95 -		aining accuracy slidation accuracy							
			0.0 0.5 1.0	1.5 2.0 2.5 3.	0 3.5 4.0							

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			
		True label	1	0	2	0	957	0	3	1	1	17		- 600)
		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			
					·		edicte								
4.	Classification Report				pre	ecisi	on	ra	call	£1_	scor	ъ	supp	ort	$\overline{}$
	oracomoatron report							16	call	11-	500.				
	- Cooseries and the cooperation of the cooperation			0		0.			0.99	11-	0.9			980	
				1		0. 0.	98 98		0.99 0.99	11-	0.9 0.9	8	1	980 135	
				1 2		0. 0. 0.	98 98 97		0.99 0.99 0.98	11-	0.9 0.9 0.9	18 19	1:	980 135 932	
				1		0. 0.	98 98 97 99		0.99 0.99	11-	0.9 0.9	18 19 17	1: 10	980 135	
				1 2 3		0. 0. 0.	98 98 97 99		0.99 0.99 0.98 0.97	11-	0.9 0.9 0.9	18 19 17 18	1: 10 10	980 135 932 910	
				1 2 3 4 5		0. 0. 0. 0.	98 98 97 99 98 96		0.99 0.99 0.98 0.97 0.97 0.99	11-	0.9 0.9 0.9 0.9 0.9	98 99 97 98 98	1:	980 135 932 910 982 982	
				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	
				1 2 3 4 5 6 7 8 9		0.0.0.0.0.	98 98 97 99 98 96 98 98 98		0.99 0.99 0.98 0.97 0.99 0.98 0.97 0.97		0.9 0.9 0.9 0.9 0.9 0.9 0.9	8 9 7 8 8 7 8 7 8 8	1: 10 10 10 10	980 135 932 910 982 392 958 928 974 909	
		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	
		m	acro	1 2 3 4 5 6 7 8 9		0.0.0.0.0.	98 98 97 99 98 96 98 98 99		0.99 0.99 0.98 0.97 0.99 0.98 0.97 0.97		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	
		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 96		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	