## Project Development Phase Model Performance Test

Date	10 November 2022	
Team ID	PNT2022TMID14753	
Project Name	Project - A Novel Method for Handwritten Digit	
	Recognition System	
Maximum Marks	10 Marks	

## **Model Performance Testing:**

The project team shall fill in the following information in the model performance testing template.

S.No.	Parameter	Values	Screenshot
1.	Metrics	Classification Model: Confusion Matrix	[ ] metrics=model.evaluate(x_test,y_test,verbose=0)     print("Metrice(Test loss & Test Accuracy):")     print(metrics)  Metrice(Test loss & Test Accuracy):     [0.09839355200520099, 0.9810000061988831]
		Accuracy Score	[] metrics=model.evaluate(x_test,y_test,verbose=0) print("metrice(Test loss & Test Accuracy):") print(metrics)  Metrice(Test loss & Test Accuracy): [0.09839355200520099, 0.981000006198831]
		Classification Report	[ ] imp  [ ] impar = np.array(imp) Econverting to image impar = imbarr.reshape(n) = 2.7
2.	Tune the Model	Hyperparameter Tuning - Validation Method -	[] y_train = np_utils.to_categorical (y_train, classes) y_test = np_utils.to_categorical (y_test, classes)