## Project Development Phase Model Performance Test

Date	19 November 2022		
Team ID	PNT2022TMID03976		
Project Name	Small Lender-Applicant Credibility Prediction		
	for Loan Approval		
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.	Metrics	Classification Model: Confusion Matrix , Accuracy Score, Classification Report -	<pre>from sklearn.ensemble import RandomForestClassifier model = RandomForestClassifier(n_estimators=40,random_state=30) model.fit(scaled_train_df,y_train) pred = model.predict(scaled_test_df) print("Classification Report \n") print(classification_report(y_test,pred)) print("Confusion Matrix\n") print(confusion_matrix(y_test,pred))</pre>			
			Classification Report  precision recall f1-score support			
			0 0.83 0.85 0.84 6797 1 0.85 0.82 0.83 6841  accuracy 0.84 13638 macro avg 0.84 0.84 0.84 13638 weighted avg 0.84 0.84 0.84 13638  Confusion Matrix  [[5800 997] [1225 5616]]			