Project Development Phase Model Performance Test

Date	10 November 2022	
Team ID	PNT2022TMID12860	
Project Name	Smart 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	Decision Tree Classifier: Confusion Matrix - , Accuracy Score- & Classification Report	Confusion matri [[64 17] [20 38]] Classification 0 1 accuracy macro avg weighted avg score 0.7338129496402	report recision 0.76 0.69 0.73 0.73	recall 0.79 0.66 0.72 0.73	f1-score 0.78 0.67 0.73 0.72 0.73	support 81 58 139 139 139
		Random Forest Classifier Confusion Matrix - , Accuracy Score- & Classification Report	Confusion matrice [[57 24] [8 50]] Classification 0 1 accuracy macro avg weighted avg score 0.769784172661	report precision 0.88 0.68 0.78 0.79	recall 0.70 0.86 0.78 0.77	0.76 0.77 0.77	81 58 139 139

K Neighbors Classi Confusion Matrix - Accuracy Score- & Classification Repo	[[49 32] [20 38]] Classification report
Gradient Boosting Classifier Confusion Matrix - Accuracy Score- & Classification Repo	0.6258992805755396 Confusion matrix [[55 26] [5 53]] Classification report