Project Development Phase Model Performance Test

Date	10 November 2022		
Team ID	PNT2022TMID18010		
Project Name	Project – Smart Lender		
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 – [[18 25] [2 75]], Accuracy Score – 79% & Classification Report –				randomforest(train_x,test_x,train_y,test_y) **** Random forest Classifier **** Confusion Natrix [11a 25] [2 78]] Classification Report Classification Report 0 0.90 0.42 0.57 43	
			•		f1-score		1 0.76 0.97 0.85 80 accuracy sacro avg 0.83 0.70 0.78 123 setighted avg 0.81 0.78 0.75 123
		0	0.90	0.42	0.57	43	
		1	0.76	0.97	0.85	80	
							<pre>In [22]: f1_score(ypred,test_y,average='weighted')</pre>
		accuracy			0.78	123	Out[22]: 0.7977251407129455
		macro avg	0.83	0.70	0.71	123	In [23]: cv = cross_val_score(rf,x,y,cv=5)
		weighted avg	0.81	0.78	0.75	123	In [24]: np.mean(cv)
							Out[24]: 0.7915367186458749