Project Development Phase
Model Performance Test

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, Accuray Score- 0.8773200543232231 & Classification Report	**Confusion Matrix :**
			
			 ```from sklearn.metrics import confusion_matrix```
			 ```confusion_matrix(predicted, y_test)```
			
			 ```array([[1825, 129],```
			 ``` [138, 117]], dtype=int64)```
			
			 Accuracy Score:
			
			 MODEL EVALUATION
			
			 ```acc=accuracy_score(predicted,y_test)```
			
			 ```acc```
			
			 ```0.8791308284291535```
			
			 Classification Model:
			
			 ```from sklearn.metrics import classification_report```
			 ```print(classification_report(predicted, y_test, labels=[1, 2, 3]))```
			
			 (see report below)

Classification report details:

```
                  precision    recall  f1-score   support

              1       0.48      0.46      0.47       255
              2       0.00      0.00      0.00         0
              3       0.00      0.00      0.00         0

      micro avg       0.48      0.46      0.47       255
      macro avg       0.16      0.15      0.16       255
   weighted avg       0.48      0.46      0.47       255
```