# Project Development Phase Model Performance Test

Date	14 November 2022	
Team ID	PNT2022TMID34845	
Project Name	Project – web phishing detection	
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: XGBooster Classification Accuracy score-97.4%	Performance Evaluation:  #computing the accuracy of the model performance acc_train_ugb = accuracy_score(y_train,y_train_ugb) acc_test_ugb = accuracy_score(y_test,y_test_ugb) print("MSBoost: Accuracy on training Data: {:.3f}".format(acc_train_ugb)) print("MSBoost: Accuracy on test Data: {:.3f}".format(acc_test_ugb))  XXBDoost: Accuracy on training Data: 0.955 XXBDoost: Accuracy on test Data: 0.923
2.	Tune the Model	Hyperparameter Tuning – 97% Validation Method – KFOLD & Cross validation method	#Comporting the classification report of the model print(cetrics.classification_report(g_test, g_test_gbc))  precision recall f1-stone supposet  -1 0.99 0.96 0.97 976 1 0.97 0.99 0.98 1225  ACOMPANY 0.99 0.98 1225  accompany 0.98 0.97 0.97 2231  weighted arg 0.97 0.97 0.97 2231

#### **METRICS:**

#### **TESTING THE MODEL:**

```
Testing the saved model:

    # load model from file
    loaded_model = pickle.load(open("model.pkl", "rb"))
    loaded_model

XGBClassifier(learning_rate=0.4, max_depth=7, missing=nan)
```

### **COMPARING THE MODEL PERFORMANCE:**

