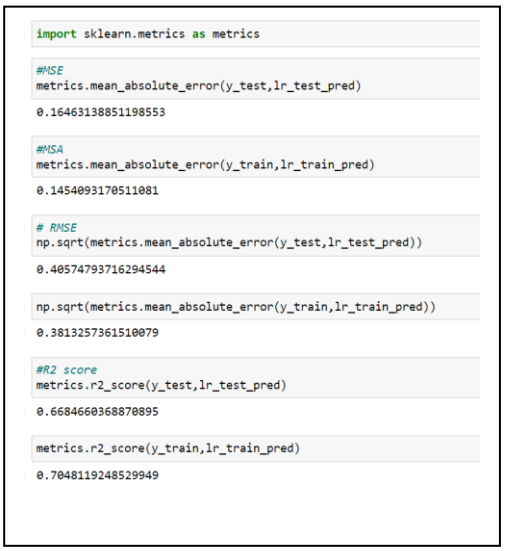
Project Development Phase
Model Performance Test

Date	18 November 2022
Team ID	PNT2022TMID29453
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	**Regression Model:** MAE – 0.145 MSE – 0.1646 RMSE – 0.3818 R2 score – 0.704 **Classification Model:** Confusion Matrix – array([[961,53], [20, 1177]], dtype=int64) Accuracy Score – 96.69% Classification Report – precision recall f1-score support -1 0.93 0.89 0.91 1014 1 0.91 0.94 0.93 1197 accuracy 0.92 2211 macro avg 0.92 0.92 0.92 2211	 pd.crosstab(y_test, lr_test_pred) col_0 -1 1 row_0 -1 902 112 1 70 1127 print(classification_report(y_test, lr_test_pred)) precision recall f1-score support -1 0.93 0.89 0.91 1014 1 0.91 0.94 0.93 1197 accuracy 0.92 2211 macro avg 0.92 0.92 0.92 2211 weighted avg 0.92 0.92 0.92 2211

		weighted avg 0.92 0.92 0.92 2211 Training accuracy: 0.92 Testing accuracy:0.91	print('Training accuracy: ',accuracy_score(y_train,lr_train_pred)) print('Testing accuracy: ',accuracy_score(y_test,lr_test_pred)) Training accuracy: 0.9272953414744459 Testing accuracy: 0.9176843057440073
2.	Tune the Model	Hyperparameter Tuning - GridSearchCV Validation Method	