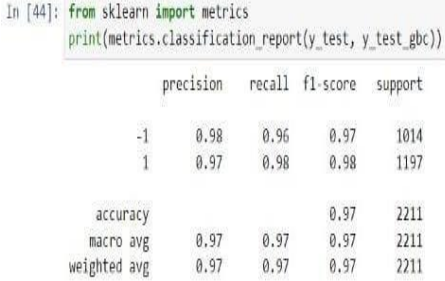
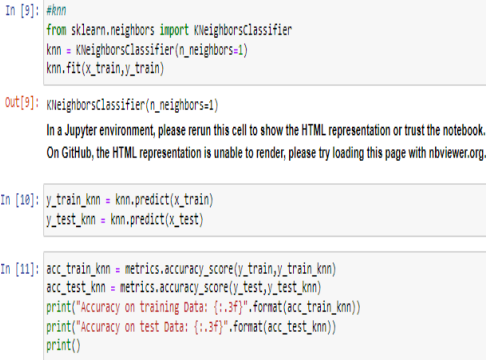


Project Development Phase Model Performance Test

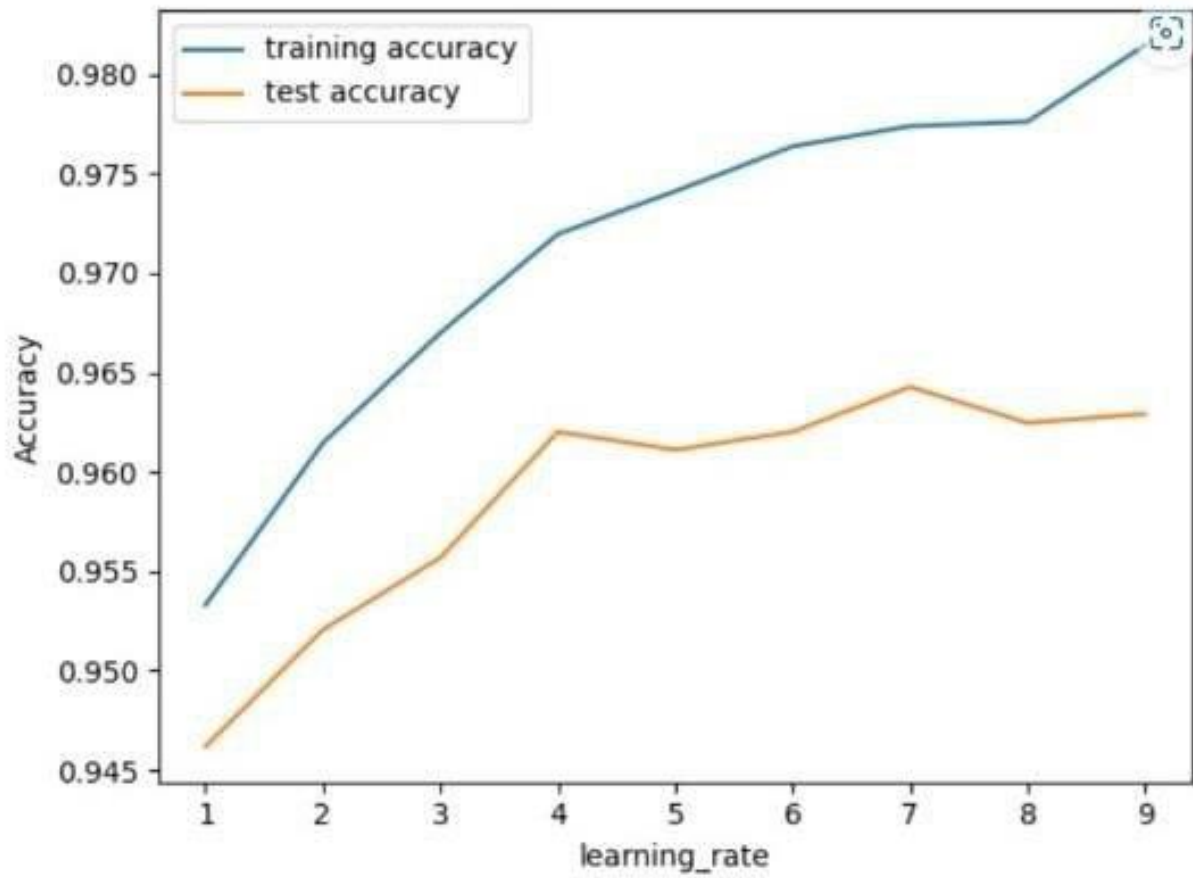
Date	18 November 2022
Team ID	PNT2022TMID41234
Project Name	Project- Web Phishing Detection
Maximum Marks	10 Marks

Model Performance Testing:

The project team shall fill in the following information in the model performance testing template.

S.No.	Parameter	Values	Screenshots
1.	Metrics	Classification Model: Confusion Matrix - , Accuracy Score- & Classification Report -	 <pre> In [44]: from sklearn import metrics print(metrics.classification_report(y_test, y_test_gbc)) precision recall f1-score support -1 0.98 0.96 0.97 1014 1 0.97 0.98 0.98 1197 accuracy 0.97 0.97 0.97 2211 macro avg 0.97 0.97 0.97 2211 weighted avg 0.97 0.97 0.97 2211 </pre>
2.	Tune the Model	Hyperparameter Tuning - Validation Method -	 <pre> In [9]: #knn from sklearn.neighbors import KNeighborsClassifier knn = KNeighborsClassifier(n_neighbors=1) knn.fit(x_train,y_train) Out[9]: KNeighborsClassifier(n_neighbors=1) In a Jupyter environment, please rerun this cell to show the HTML representation or trust the notebook. On GitHub, the HTML representation is unable to render, please try loading this page with nbviewer.org. In [10]: y_train_knn = knn.predict(x_train) y_test_knn = knn.predict(x_test) In [11]: acc_train_knn = metrics.accuracy_score(y_train,y_train_knn) acc_test_knn = metrics.accuracy_score(y_test,y_test_knn) print("Accuracy on training Data: {:.3f}".format(acc_train_knn)) print("Accuracy on test Data: {:.3f}".format(acc_test_knn)) print() </pre>

PERFORMANCE:



Accuracy Score- & Classification Report:

```
In [44]: from sklearn import metrics  
print(metrics.classification_report(y_test, y_test_gbc))
```

	precision	recall	f1-score	support
-1	0.98	0.96	0.97	1014
1	0.97	0.98	0.98	1197
accuracy			0.97	2211
macro avg	0.97	0.97	0.97	2211
weighted avg	0.97	0.97	0.97	2211