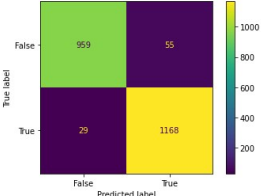


## Project Development Phase Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID40190
Project Name	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	<b>Classification Model:</b> Confusion Matrix –  Accuracy Score- 96%  Classification Report – 96%	<pre>In [16]: from sklearn import metrics import matplotlib.pyplot as plt  confusion_matrix = metrics.confusion_matrix(y_test, y_pred5)  cm_display = metrics.ConfusionMatrixDisplay(confusion_matrix = confusion_matrix, display_labels = [False, True]) plt.show()</pre>  <pre>In [24]: from sklearn.metrics import classification_report  print("Accuracy Score : {}".format(dec_tree)) print(classification_report(y_test,y_pred5))</pre> <pre>Accuracy Score : 0.9633649932157394               precision    recall  f1-score   support       -1         0.97       0.95       0.96       1014       1         0.96       0.98       0.97       1197     accuracy                   0.96       2211   macro avg              0.96       0.96       0.96       2211  weighted avg              0.96       0.96       0.96       2211</pre>
2.	Tune the Model	Hyperparameter Tuning – 96.2% Validation Method - DecisionTreeClassifier	<pre>In [17]: DecisionT.tree_.max_depth</pre> <pre>Out[17]: 24</pre> <pre>In [32]: Decision = DecisionTreeClassifier(max_depth=20, random_state=60) Decision.fit(x_train,y_train) Decision.score(x_test,y_test)</pre> <pre>Out[32]: 0.9620081411126187</pre> <pre>In [ ]:</pre>

