

Project Development Phase

Model Performance Test

Date	11-Nov-2022
Team ID	TNT2022TMID22501
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
•	Model Summary	Random forest is a commonly-used machine learning algorithm trademarked by Leo Breiman and Adele Cutler, which combines the output of multiple decision trees to reach a single result. Its ease of use and flexibility have fueled its adoption, as it handles both classification and regression problems.	<pre>from sklearn.ensemble import RandomForestClassifier rand= RandomForestClassifier(n_estimators= 10, criterion="entropy") rand.fit(x_train, y_train)</pre> <p>RandomForestClassifier(criterion='entropy', n_estimators=10)</p>
•	Accuracy	Training Accuracy - 95.6% Validation Accuracy – 96.70%	<pre>##### Random Forest Classifier ##### Test Accuracy : 96.70% Classification_report precision recall f1-score support -1 0.98 0.95 0.96 1014 1 0.96 0.98 0.97 1197 accuracy 0.97 macro avg 0.97 0.97 0.97 2211 weighted avg 0.97 0.97 0.97 2211</pre> <p>Confusion_matrix</p>
3.	Confidence Score (Only Yolo Projects)	Class Detected - Confidence Score -	-

