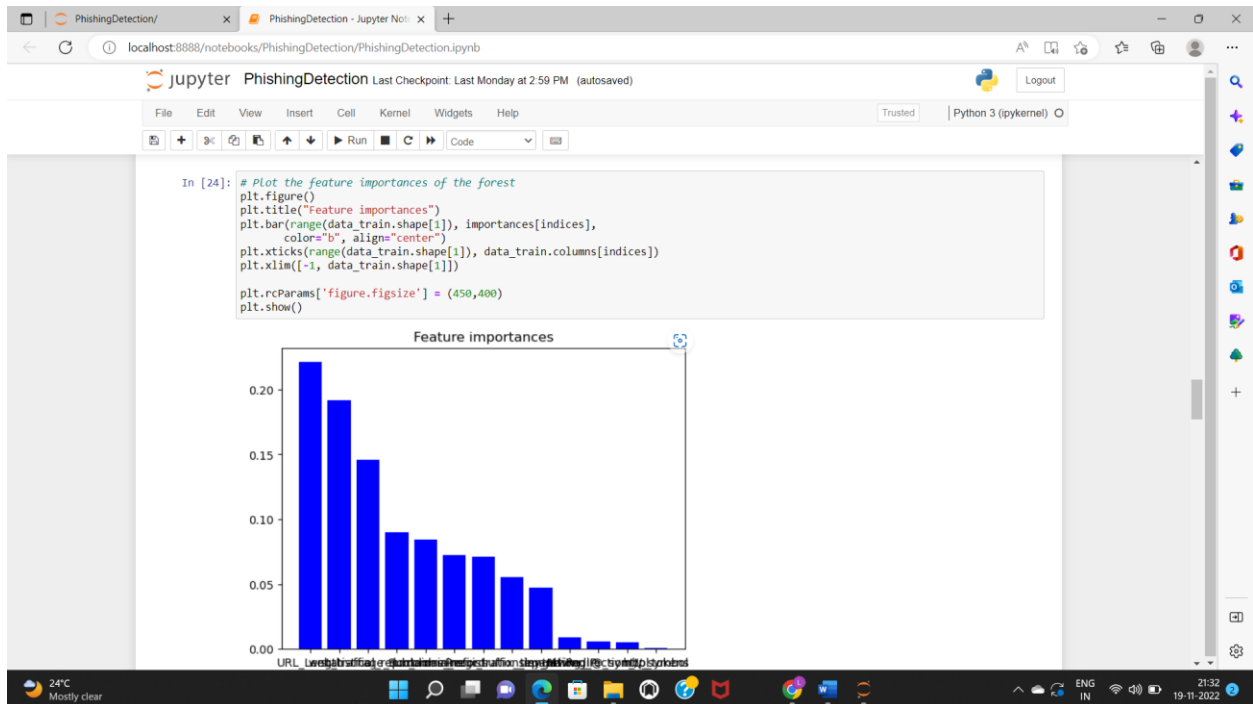


Project Development Phase Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID21062
Project Name	Web Phishing Detection
Maximum Marks	10 Marks

Model Performance Testing:



```
In [25]: from sklearn.tree import DecisionTreeClassifier
model = DecisionTreeClassifier()
model.fit(data_train, labels_train)
```

```
Out[25]: DecisionTreeClassifier()
```

```
In [27]: from sklearn.metrics import confusion_matrix, accuracy_score
cm = confusion_matrix(labels_test, pred_label)
print(cm)
```

```
[[281  30]
 [ 78 216]]
```

```
In [28]: dtacc=round(accuracy_score(labels_test, pred_label)*100,2)
accuracy_score(labels_test, pred_label)
```

```
Out[28]: 0.8214876033057851
```

```
In [29]: from sklearn.ensemble import RandomForestClassifier
random_forest_classifier = RandomForestClassifier()
random_forest_classifier.fit(data_train, labels_train)
```

```
Out[29]: RandomForestClassifier()
```

```
In [31]: from sklearn.metrics import confusion_matrix, accuracy_score
cpnfusionMatrix = confusion_matrix(labels_test, prediction_label1)
print(cpnfusionMatrix)
```

```
[[281  30]
 [ 69 225]]
```

```
In [32]: randacc=round(accuracy_score(labels_test, prediction_label1)*100,2)
accuracy_score(labels_test, prediction_label1)
```

```
Out[32]: 0.8363636363636363
```

```
In [33]: print(dtacc)
print(randacc)
```

```
82.15
83.64
```

