Project Development Phase
Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID04349
Project Name	Project – Car Resale Value Prediction
Maximum Marks	10 Marks

Model Performance Testing METRICS:

MODEL USED = RANDOM FOREST REGRESSION MODEL

MAE (MEAN ABSOLUTE ERROR) – 1655.53

```
from sklearn.metrics import mean_absolute_error

print(mean_absolute_error(Y_test, y_pred))

1655.534681561534
```

MSE (MEAN SQUARED ERROR) –11832644.33

```
from sklearn.metrics import mean_squared_error

print(mean_squared_error(Y_test, y_pred))

11832644.335139675
```

RMSE (ROOT MEAN SQUARED ERROR) –3439.86

```
from sklearn.metrics import mean_squared_error

root_mean_squared_error = mean_squared_error(Y_test, y_pred, squared=False)
print(root_mean_squared_error)

3439.861092419238
```

R2 SCORE – 0.82

```
from sklearn.metrics import r2_score

print(r2_score(Y_test, y_pred))

0.8191322832483275
```