Project Development Phase
Model Performance Test

Date	24 November 2022
Team ID	PNT2022TMID15407
Project Name	Efficient Water Quality Analysis and prediction
Maximum Marks	10 Marks

Model Performance Testing:

S.No.	Parameter	Values	Screenshot
1.	Metrics	**Regression Model:** RMSE	Provided below

Screenshots:

Testing of model - LinearRegression

```
In [41]: from sklearn import metrics
         print(np.sqrt(metrics.mean_squared_error(y_test,ypred)))

         7.351241284016909
```

Testing of model - DecisionTreeRegressor

```
In [44]: from sklearn import metrics
         print(np.sqrt(metrics.mean_squared_error(y_test,ypred)))

         2.793612159252081
```

Testing of model - RandomForestRegressor

```
In [47]: from sklearn import metrics
         print(np.sqrt(metrics.mean_squared_error(y_test,ypred)))

         1.86744887095169
```