# Project Development Phase Model Performance Test

Date	18 November 2022	
Team ID	PNT2022TMID41475	
Project Name	Project - Al Powered Nutrition analyzer for fitness enthusiasts	
Maximum Marks	10 Marks	

## **Model Performance Testing:**

 $Project\,team\,shall\,fill\,the\,following\,information\,in\,the\,model\,performance\,testing\,template.$ 

S.No.	Parameter	Values	Screenshot
1.	Metrics	Regression Model: Random Forest  MAE - 51.765  MSE -4216.16675  RMSE -64.932016371  Accuracy - 80.43%	the slows open entits  stat (New Build Enter) service are posite enter(200, 2000)  stat (New Supend Enter) service are source enter(200, 2000)  stat (New Supend Enter) service are source entered (new 1, 2000))  Meyor Absolute Enter: 51.765  Meyor Absolute Enter: 4216.16675  Knot Meyor Squared Enter: 64,932816371
2.	Metrics	Recall, Precision, F1 score Recall: 0.66 Precision: 1.0 F1_score: 0.8	The stage article increases are well now, peching now, it some printing are seen and printing now, it some printing now likes, point of printing now likes, point of printing now likes, point of a new likes, point of a

#### **Screenshots:**

Metrics:

### 1. Accuracy, Recall, Precision, F1 score

#### 2. Mean absolute error:

Mean Squared error:

**Root mean Squared error:** 

```
from sklearn import metrics

print('Mean Absolute Error:', metrics.mean_absolute_error(y_test, y_pred))

print('Mean Squared Error:', metrics.mean_squared_error(y_test, y_pred))

print('Root Mean Squared Error:', np.sqrt(metrics.mean_squared_error(y_test, y_pred)))
```

Mean Absolute Error: 51.765

Mean Squared Error: 4216.16675

Root Mean Squared Error: 64.932016371