Project Development Phase Model Performance Test

Date	18 November 2022	
Team ID	PNT2022TMID41467	
Project Name	Project - AI 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 Milan Inger edito. John Washington (editioned photo entropy ent. y.pm()) John Washington (editioned parent entropy ent. y.pm()) John Washington (editioned entropy ent. y.pm()) Mean Absolute Ecror: 51.765 Mean Squared Error: 4216.16675 Hoot Mean Squared Error: 64.932816371
2.	Metrics	Recall, Precision, F1 score Recall: 0.66 Precision: 1.0 F1_score: 0.8	The sider actics input according one, recilitate, precision core, figure print (according core) (according to precision (according to precision))

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