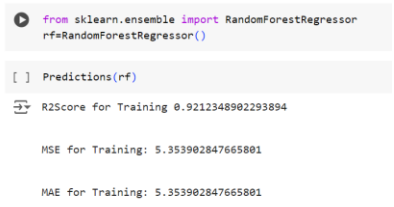
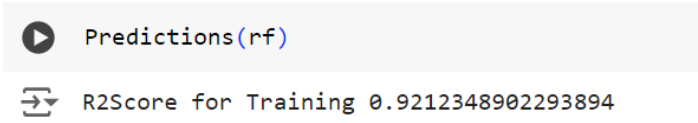
Model Development Phase Template

Date	12 JULY 2024
Team ID	739828
Project Title	Optimising food delivery Using ML
Maximum Marks	4 Marks

Model	Classification Report	Accuracy
Random forest classifier		

Decision Tree classifier		R2Score for Training 0.9994962879709425 MSE for Training: 0.04437864414834311 MAE for Training: 0.04437864414834311 R2Score for Testing 0.22057379136206234 MSE for Testing: 71.564096940454 MAE for Testing: 6.4904046496326355

Initial Model Training Code, Model Validation and Evaluation Report

The initial model training code will be showcased in the future through a screenshot. The model validation and evaluation report will include classification reports, accuracy, and confusion matrices for multiple models, presented through respective screenshots.

Initial Model Training Code:

```
[ ]  from sklearn.model_selection import train_test_split
     x_train,x_test,y_train,y_test=train_test_split(X,y,test_size=0.2,random_state=42)
```

Model Validation and Evaluation Report:

Xgboost classifier	from xgboost import XGBRegressor xgb=XGBRegressor()	Predictions(xgb) R2Score for Training 0.5008550984251501