Project Development Phase Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID10940
Project Name	Machine Learning based Vehicle Performance Analyzer
Maximum Marks	10 Marks

Model Performance Testing:

S.No.	Parameter	Values	Screenshot
1.	Metrics	Regression Model: R2 score -	Using random forest regression model In [36]: If model = Random/crestRegressor() If model = Random/crestRegressor() If model = Random/crestRegressor() Random forest P2: (1.58)*.femal(rf_r2)) Random forest P2: (1.58)*.femal(rf_r2) Random forest P2: (1.58)*.femal(rf_r2) Linear_model = Linear_Regression() Linear_model.fit(x_train, y_train) Linear_model.fit(x_train, y_train) Linear_near_Regression R^2: (1.1f)*.format(linear_r2)) Linear_Regression R^2: 0.8 Using a decision tree model Linear_model = DecisionTreeRegressor() The model = DecisionTreeRegr
2.	Accuracy	Training Accuracy - 0.83855	Using random forest regression model In [26]: If model = Random/orestRegressor() If model. #Iff(, train, y, train) If f.2 = rf model. score(x test, y, test) print("Nandom Growst Y2": (1.58)", format(Irf_72)) Random Forest X"2": 0.88875