Project Development Phase Model Performance Test

Date	14 November 2022	
Team ID	PNT2022TMID41512	
Project Name	Project - Machine Learning based Vehicle Performance Analyser	
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.	Model Summary	-	→ random forest regressor
			[99] from sklearn.ensemble import RandomForestRegressor
			<pre>[100] rf= RandomForestRegressor(n_estimators=10,random_state=0,criterion='mae') rf.fit(x_train,y_train)</pre>
			/usr/local/lib/python3.7/dist-packages/ipykernel_launcher.py:2: DataConversionHarning: A column-vector y was passed w
			/wsr/local/lib/python3.7/dist-packages/sklearn/ensemble/_forest.py:407: FutureWarning: Criterion 'mae' was deprecated FutureWarning. RandomForestRegressor(criterion='mae', n_estimators=10, random_state=0)
			<pre>[101] y_pred2=rf.predict(x_test) y_pred2</pre>
			array({-1.22541325, 0.04145375, -1.27712211, -0.21321237, -0.73417911, 0.34635873, 1.4298365, 0.05483069, 1.0803716, 0.09057716, 1.18678593, 1.8913811, -0.52734366, 0.22580183, -0.99394175, 1.04460558, 0.5818113, 0.23406924, -0.86991466, 1.10794893, -0.97333237, 0.19140943, 0.03757555, -0.2992671, 0.86879146, 1.10794893, -0.032318232, 1.1066562, 1.07563089, 1.09760715, -0.8776719, -0.03610954, -0.59843636, -0.92808732, 1.28375904, -1.47103032])

