## Project Development Phase Model Performance Test

Date	24 November 2022	
Team ID	PNT2022TMID52046	
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: DataConversionWarning: A column-vector y was passed w
			/usr/local/lis/python3.7/dist-packages/sklearn/ensemble/_forest.py:107: 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([-1.254135, 0.0414575, -1.2771221], -0.212327, -0.7341731, 0.4645875, 1.4293856, 0.05438096, -1.08221389, 0.09057716, 1.36778593, 1.6813811, -0.52734368, 0.2638018), -0.95394475, 1.04460558, 0.5818113, 0.23405924, -0.86991468, 1.10734893, -0.97333237, 0.19140943, 0.03775758, -0.2992471, 0.86879346, -0.03382327, 1.1066552, 1.07563089, 1.09760715, -0.87767719, -0.33677881, 1.0278002, -0.82952933, 0.972221318, -0.18735794, -0.03610954, -0.59844336, -0.92808732, 1.28375904, -1.471030321)

