Project Development Phase Model Performance Test

Date	20 November 2022	
Team ID	PNT2022TMID50368 ;	
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.	Metrics	Regression Model: MAE - , MSE - , RMSE - , R2 score - Classification Model: Confusion Matrix - , Accuray Score- & Classification Report -	Decision tree regressor Required Required is a statistical measure of how close the data are to the fitted regression line. It is also known as the coefficient of determination, or the coefficient of multiple determination for multiple regression. Required # Explained variation / Total variation Mean Squared Error (MSE) The Mean Squared Error measures the average of the squares of errors, that is, the difference between actual value (y) and the estimated value (y). (15) from skleam.metrics import r2_score,seam_squared_error (16) r2_score(y_test,y_pred) 0.869393594768933 (17) mean_squared_error(y_test,y_pred) 0.1306064092231067 (18) pp.sqrt(mean_squared_error(y_test,y_pred)) 0.36139508190221226		

