Project Development Phase Model Performance Test

| Date | 14 November 2022 | |
|---------------|---|--|
| Team ID | PNT2022TMID05997 | |
| 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 R-equared R-equared 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. R-equared = 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). [45] from sklears.metrics import tz_score,mean_squared_error [46] tz_score(y_test,y_pred) 0.8693939547768933 [47] mean_squared_error(y_test,y_pred) 0.136064692231067 [48] np.eqrt(mean_squared_error(y_test,y_pred)) 0.36139508190221226 |

