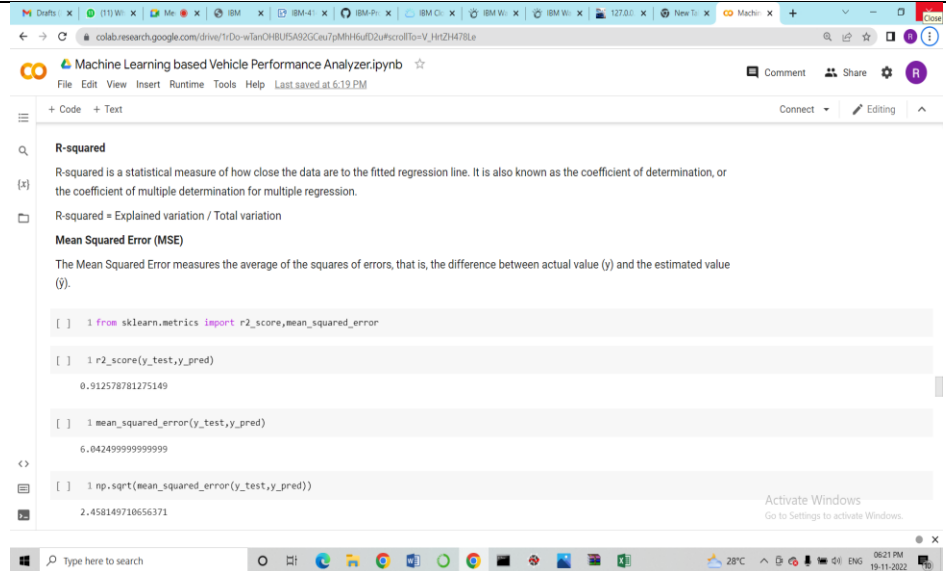
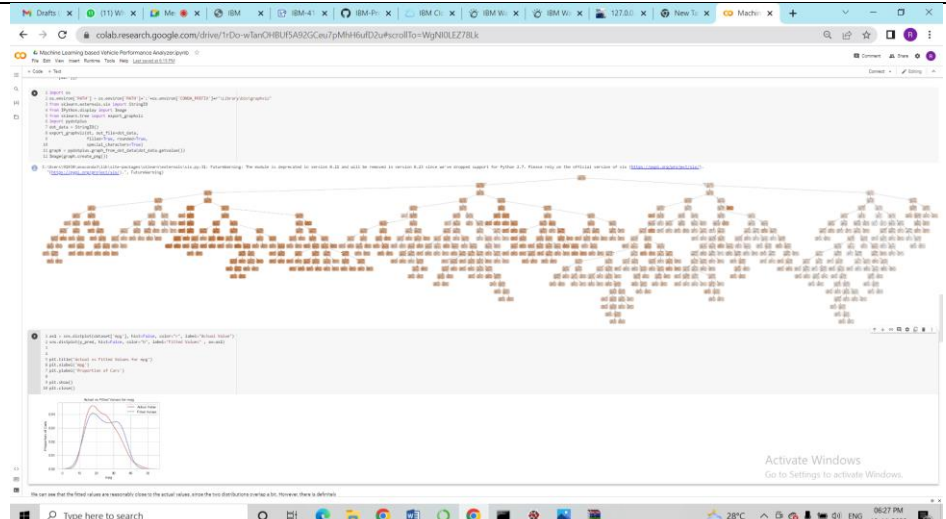


Project Development Phase Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID00660
Project Name	Project -Machine Learning based Vehicle Performance Analyzer
Maximum Marks	10 Marks

Model Performance Testing:

S.N o.	Parameter	Values	Screenshot
1	Metrics	Regression Model: MAE – 0.009856732696422 , MSE - 6.042499999999999 , RMSE - 2.458149710656371 , R2 score - 0.912578781275149	 <p>The screenshot shows a Google Colab notebook titled 'Machine Learning based Vehicle Performance Analyzer.ipynb'. The code defines functions for calculating R-squared, Mean Squared Error (MSE), and Root Mean Squared Error (RMSE). The output shows R-squared as 0.912578781275149, MSE as 6.042499999999999, and RMSE as 2.458149710656371.</p>
2	Tune the Model	Validation Method - Decision Tree Model	 <p>The screenshot shows a Google Colab notebook titled 'Machine Learning based Vehicle Performance Analyzer.ipynb'. It displays a Decision Tree model visualization with a complex structure of nodes and branches. Below the tree, there is a plot showing the model's performance metrics (MAE, MSE, RMSE) across different values of a parameter (likely depth or feature count). The plot shows that the model's performance is generally good, with MAE, MSE, and RMSE values remaining relatively low across the range of parameter values.</p>