**Project Development Phase**

**Model Performance Test**

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| Date | 19 September 2023 |
| Team ID | **593090** |
| Project Name | |  | | --- | | TrafficTelligence: Advanced Traffic  Volume Estimation with Machine Learning | |  | |
| Maximum Marks | 10 Marks |

**Model Performance Testing:**

Project team shall fill the following information in model performance testing template.

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| **S.No.** | **Parameter** | **Values** | **Screenshot** |
|  | Metrics | **Regression Model:** MAE -617.6653 , MSE -**798.4415** , RMSE - , R2 score -**97.7372**  **Classification Model:** Confusion Matrix - , Accuracy Score-77.8966 & Classification Report - |  |
|  | Tune the Model | Hyperparameter Tuning - GradientBoostingRegressor  GridSearchCV Validation Method - train and test split method |  |