**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** |
|  | Model Summary | Null Values  Number of null values in temp-53  Number of null values in rain - 2  Number of null values in snow-12  Number of null values in weather-49  No outlier values  The counter value-  Counter({'Clouds': 15144, 'Clear': 13383, 'Mist': 5942, 'Rain': 5665, 'Snow': 2875, 'Drizzle': 1818, 'Haze': 1359, 'Thunderstorm': 1033, 'Fog': 912, nan: 49, 'Smoke': 20, 'Squall': 4})  Number of values in y\_test- 9641  R2 score for RandomForestClassifier-97.7372  Mean Squared Error for RandomForestClassifier-798.4415 |  |
|  | Accuracy | Training Accuracy - 97.7372  Validation Accuracy -78.9658 |  |
| 3. | Confidence Score (Only Yolo Projects) | Class Detected -   Confidence Score - |  |