**Project Development Phase**

**Model Performance Test**

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| Date | 13 May 2023 |
| Team ID | NM2023TMID15467 |
| Project Name | Project - Traffic Intelligence: Advanced Traffic Volume Estimation with Machine Learning |

**Model Performance Testing:**

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

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| **S.No.** | **Parameter** | **Values** | **Screenshot** |
|  | Model Summary | Random Forest is an ensemble learning algorithm that combines multiple decision trees to make predictions. Each decision tree is trained on a different subset of the data and features, and the final prediction is obtained by averaging or voting the predictions of individual trees. |  |
|  | Accuracy | Training Accuracy – 0.97 Validation Accuracy – 0.81 |  |
| 3. | Confidence Score (Only Yolo Projects) | Class Detected -  Confidence Score - |  |