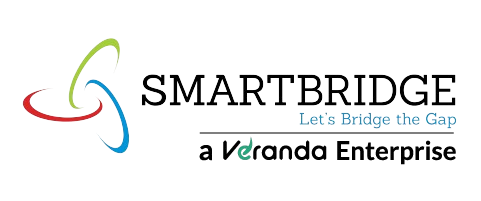
**Model Development Phase Template**

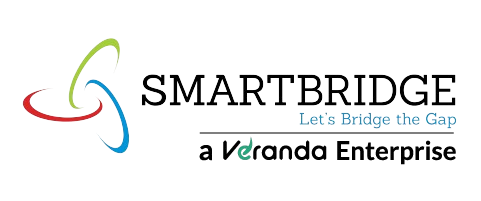
|  |  |
| --- | --- |
| Date | 15th July 2024 |
| Team ID | 739933 |
| Project Title | Predictive Modeling For Fleet Fuel Management Using ML |
| Maximum Marks | 6 Marks |

**Model Selection Report**

In the forthcoming Model Selection Report, various models will be outlined, detailing their descriptions, hyperparameters, and performance metrics, including Accuracy or F1 Score. This comprehensive report will provide insights into the chosen models and their effectiveness.

**Model Selection Report:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Model** | **Description** | **Hyper parameters** | **Performance metrics(e.g.,Accuracy,F1 Score** |
| Linear  Regression | A simple linear approach that models the relationship between the dependent  variable (fuel consumed) and independent variables  (e.g., distance traveled,  vehicle type,  maintenance  cost, temperature, weather condition). | \_ |  |



|  |  |  |  |
| --- | --- | --- | --- |
| Gradient  Boosting  Regressor | Gradient Boosting is an ensemble learning technique that builds models sequentially,  with each new model correcting errors of the previous ones, to improve accuracy in classification and regression tasks. | **-** |  |