

Model Development Phase Template

Date	15 March 2024
Team ID	xxxxxxx
Project Title	Predictive Modeling for Fleet Fuel Management using Machine Learning
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	Hyperparameters	Performance Metric (e.g., Accuracy, F1 Score)
Random Forest Regressor	Ensemble learning model using multiple decision trees	learning_rate, max_bins, max_depth, max_iter, min_samples_leaf	Accuracy = 60
HistGradientBoosting Regressor	Boosting algorithm using histograms of gradient boosting	learning_rate, max_bins, max_depth, max_iter, min_samples_leaf	Accuracy = 60