Model Development Phase Template

Date	8 July 2024
Team ID	SWTID1720195303
Project Title	Predictive Modeling For Fleet Fuel Management Using Machine Learning
Maximum Marks	5 Marks

Feature Selection Report Template

In the forthcoming update, each feature will be accompanied by a brief description. Users will indicate whether it's selected or not, providing reasoning for their decision. This process will streamline decision-making and enhance transparency in feature selection.

Feature	Description	Selected (Yes/No)	Reasoning
Fuel Consumption	The amount of fuel consumed by the vehicle per trip	Yes	Core metric for predicting fuel efficiency.
Odometer Reading	Total distance traveled by the vehicle	Yes	Provides insight into vehicle usage and wear and tear.
Engine Size	The size of the vehicle's engine	Yes	Correlates with fuel consumption; larger engines typically consume more fuel.

Tire Pressure	Pressure levels of the vehicle's tires	Yes	Affects fuel efficiency; improper tire pressure can lead to higher fuel consumption.
Vehicle Type	Type of vehicle (e.g., sedan, truck, SUV)	Yes	Different vehicle types have different fuel efficiency profiles.
Maintenance Frequency	Number of maintenance activities performed	Yes	Indicates vehicle condition and potential impact on fuel efficiency.