Project Design Phase-I

Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID17819
Project Name	Trip based modelling of fuel consumption
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The problem statement is to predict the fuel consumption of fleet vehicles using Machine Learning. The ML model must be integrated with a web application.
2.	Idea / Solution description	Capture and prevent fuel theft and leakage. Fuel prediction for a vehicle will be given based on the gas type and other some parameters.
3.	Novelty / Uniqueness	Multiple ML models are deployed to predict the fuel consumption. Users can use the model to predict for various types of vehicles.
4.	Social Impact / Customer Satisfaction	The fleet manager will be satisfied knowing that he will prevent all the fraudulent activities in fuel management committed by his employees.
5.	Business Model (Revenue Model)	The detailed report generation and data visualization are given only for the premium users.
6.	Scalability of the Solution	This helps the user to know the fuel pilferage situations and also take some preventive steps to reduce the amount spent on fuel.