Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID25555
Project Name	Project - Trip Based Modelling of Fuel Consumption in Modern Fleet Vehicles Using Machine Learning
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Ability to model and predict the fuel consumption is vital in enhancing fuel economy of vehicles and preventing fraudulent activities in fleet management. Fuel consumption of a vehicle depends on several internal & external factors However, not all these factors may be measured or available for the fuel consumption analysis. The main aim of the project is to build Machine Learning algorithm to predict the fuel consumption of fleet vehicles based on the gas type . A web application is built which is integrated with ML model.
2.	Idea / Solution description	If you're driving an automatic car, make use of cruise control to keep your speed constant. And if you're driving a manual car, maintain a higher gear when appropriate. In each of these instances, your engines go through less revolutions per minute (RPM) and will reduce your fuel consumption.
3.	Novelty / Uniqueness	By using this project, the user can frequently monitoring the level of fuel consumption and he/she can take the necessary decision regarding the problematic situation.
4.	Social Impact / Customer Satisfaction	It does not require any expensive hardware for monitoring the fuel consumption level which makes the project efficiently to the customer.
5.	Business Model (Revenue Model)	By using this model the driver can avoid the unnecessary futuristic problems.
6.	Scalability of the Solution	By applying the machine learning algorithm, this solution provides a

		scalable solution to many number of customers at a time.