Project Design Phase-I
Proposed Solution
Template

Date	21 September 2022
Team ID	PNT2022TMID52807
Project Name	Machine Learning Based Vechile Performance Analyser
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Predicting the performance level of a vehicle has some problems based on complexities with data because it needs about a million relevant records to train an ML model.
2.	Idea / Solution description	Using a supervised learning algorithm to know the target value for the problem. In order to train such a model, which can be identified as the vehicle parameters preferable with the variety of configurations, they are required as input variables.
3.	Novelty / Uniqueness	In machine learning, the dataset that will be used in the training phase is a very important factor in building successful predictions.
4.	Social Impact / Customer Satisfaction	Perfection may include and extend beyond driving safety performance, estimation of the vehicle's life , fuel efficiency, and long distance driving efficiency.
5.	Business Model (Revenue Model)	A vehicle's fuel consumption is influenced by external and internal factors, although the engine and vehicle type minimise fuel consumption.
6.	Scalability of the Solution	From the study's conclusion, it is inferred that fuel consumption rate and vehicle driver index (VDI), a measure of driving behaviour, are deeply related.