

Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID50368
Project Name	Machine Learning Based Vehicle Performance Analyzer
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)	Predicting the performance level of cars is an important and interesting problem. The main goal is to predict the performance of the car to improve certain behaviours of the vehicle.
2.	Idea / Solution description	The performance analysis of the car is based on the engine type, no of engine cylinders, fuel type, horsepower, etc. These are the factors on which the health of the car can be predicted. It is an ongoing process of obtaining, researching, analyzing, and recording health based on the above three factors.
3.	Novelty / Uniqueness	The performance objectives like mileage, dependability, flexibility and cost can be grouped together to play a vital role in the prediction engine and engine management system. This approach is a very important step towards understanding the vehicle's performance.
4.	Social Impact / Customer Satisfaction	This project can significantly help to improve the system's fuel consumption and increase efficiency.
5.	Business Model (Revenue Model)	This ML based model will help us to analyze the performance of the car by obtaining, researching, analyzing, and recording health based on the factors like engine type, number of engine cylinders, fuel type, horsepower etc...
6.	Scalability of the Solution	This project will give promising results in predicting the vehicle performance that helps us for the betterment of vehicles.