

**Project Design Phase-I**  
**Proposed Solution**

Date	15 October 2022
Team ID	PNT2022TMID27734
Project Name	Project – Machine Learning by Vehicle Performance Analyser
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)	Vehicle performance is the study of the motion of a vehicle. The motion of any vehicle depends upon all the forces and moments that act upon it
2.	Idea / Solution description	To improve the vehicle's performance efficiency, it is critical to analyse the factors using a variety of well-known machine learning algorithms such as linear regression, decision tree, and random forest.
3.	Novelty / Uniqueness	These algorithms helps us tracking of emission reduction, market globalization, geolocation, mobility as a service.
4.	Social Impact / Customer Satisfaction	Customers believe that the more they know about their vehicle, the level of impact increases accordingly as the above mentioned algorithms help them understand the cons and pros of the vehicle. With the help of this, the driver safety is improved and the service alerts provides better driving experience.
5.	Business Model (Revenue Model)	It plays a vital role in maintaining the efficiency of the vehicle and also in saving the environment from global warming it has a greater impact on the competitive business world.
6.	Scalability of the Solution	The system will analyse the performance of the vehicle and also gives periodic service alerts, when performance of the vehicle degrades. Multiple users can also access the system at same time, it processes the results without any delay.