

Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID00551
Project Name	Project - Machine Learning based 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)	To build a machine learning based vehicle performance analyzer to help easily find faults in a vehicle and improve the performance. Helps to choose most fuel-efficient vehicle that meets your everyday needs to save money as well as help the environment.
2.	Idea / Solution description	Evaluate the Meta features of vehicles which could be helpful in improving the driver's skill to prevent accidents and also evaluate the change in the quality of cars over passing time. This project does an analysis of the vehicle data using supervised learning based linear regression model that is used as an estimator for Driver's Safety.
3.	Novelty / Uniqueness	<ul style="list-style-type: none">Machine learning for analyzing the performanceConsidering environmental factors
4.	Social Impact / Customer Satisfaction	Customers will have a proper understanding about their vehicle. Thus, helping them repair their vehicle incase of any issues. It helps to make the vehicle environment friendly and optimize the cost.
5.	Business Model (Revenue Model)	Profitable for the automobile industry as the analysis will help them plan and improve their future models.
6.	Scalability of the Solution	High scalability. As this model will help the customers to wisely choose the vehicle as per their feasibility and learn more about their vehicles.