

Project Design Phase-I
Proposed Solution

Date	23 September 2022
Team Id	PNT2022TMIDxxxxxx
Project Name	Project – Machine Learning Based Vehicle Performance Analyzer
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none">• Predicting the performance level• To efficiently improve the systems fuel consumption• For efficient engine management system to improve the mileage, dependability, flexibility.
2.	Idea / Solution description	<ul style="list-style-type: none">• According to our survey, Decision Tree Algorithm will give more efficient solution to predict higher mpg.• For which it should have higher R-squared value• Also have smallest MSE value.
3.	Novelty / Uniqueness	<ul style="list-style-type: none">• By using decision tree, we can improve range, durability and longevity of automotive of batteries.• It predicts performance Mileage with higher accuracy and efficiency.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none">• When the vehicle is in good condition with higher performance, it avoids the issues like emitting large amount of smoke that prevent air from getting polluted.• Customer satisfaction – customer feels comfortable and smoothness while driving.
5.	Business Model (Revenue Model)	<ul style="list-style-type: none">• Revenue generation through selling your product as an application.• Revenue generation through collaboration with car companies.
6.	Scalability of the Solution	<ul style="list-style-type: none">• Low-cost framework can be made for existing vehicles.