

Project Design Phase-I Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID36219
Project Name	Project – 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 vehicle has some problems with based on complexities with data because it need about a million of relevant record to train an ML model
2.	Idea / Solution description	Using Supervised Learning algorithm to know 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 configuration are required as input variables.
3.	Novelty / Uniqueness	In Machine Learning the dataset which will be used in the training phase is a very important point to build successful prediction.
4.	Social Impact / Customer Satisfaction	Perdection may include and extend beyond drives safety performance, estimation of vechile's life , fuel efficiency and long distance driving efficiency.
5.	Business Model (Revenue Model)	Vehicle's fuel consumption is influenced by external and internal factor. Although engine and vehicle type minimize the fuel consumption
6.	Scalability of the Solution	The study concluded that fuel consumption rate and vehicle driver index (VDI), measure of driving behaviour, were deeply related.