IDEATION PHASE

PROBLEM STATEMENT

DATE	7 September 2022
TEAM ID	PNT2022TMID15449
PROJECT NAME	MACHINE LEARNING BASED VEHICLE PERFORMANCE ANALYZER
MAXIMUM MARK	2 Marks

Problem Statement:

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 behaviors of the vehicle. This can significantly help to improve the system's fuel consumption and increase efficiency. 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. 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

I am	The consumer who is trying to buy a vehicle for my own personal use. This use is mainly for travel involved in the job.
I'm trying to	Buy a best suited vehicle for my preference based on the performance of the vehicle.
But	I am unaware of the performance measures and standards of the vehicle in the market, this is because there are several brands and type of vehicle in the market.
Because	I don't want to spoil the money by investing on low performing vehicle.
Which makes me feel	I'm not capable of buying the right vehicle of my own requirement because of less knowledge about the vehicle in the market.