## Ideation Phase Define the Problem Statements

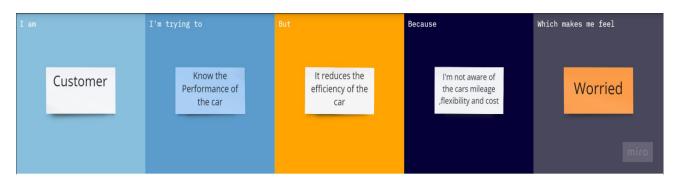
Date	19 September 2022
Team ID	PNT2022TMID27545
Project Name	Machine Learning based Vehicle Performance
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	Analyzer
Maximum Marks	2 Marks

## **Customer Problem Statement Template:**

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 behaviours 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.

## **Example:**



Problem	I am	I'm trying to	But	Because	Which makes me feel
Statement (PS)	(Customer)				
PS-1	Customer	Know the	It reduces	I'm not aware	Worried
		Performance	the	of the cars	
		of the car	efficiency	mileage	
			of the car	flexibility and,	
				cost	