Ideation Phase
Define the Problem Statements

Date	29 April 2023
Team ID	NM2023TMID06574
Project Name	Traffic Intelligence: Advanced Traffic Volume Estimation With Machine Learning
Maximum Marks	2 Marks

Customer Problem Statement Template:

Traffic problem is one of the major problem now a days, In the increase in no of vehicles and non –usage of public transport leading to traffic related issues, Making a eye on count of traffic at each level enables the government to take the further decisions such as building new roads, increasing infrastructure,developing mutli-channel connectivity . Customer are getting frustrated due to heavy traffic and they getting late for there works and they getting angry due to violation off traffic rules by the other citizens.

I am	Describe customer with 3-4 key characteristics - *who are they?*	Describe the customer and their attributes here
I'm trying to	*List their outcome or "job" the care about - what are they trying to achieve?*	List the thing they are trying to achieve here
but	Describe what problems or barriers stand in the way – *what bothers them most?*	Describe the problems or barriers that get in the way here
because	Enter the "root cause" of why the problem or barrier exists – *what needs to be solved?*	Describe the reason the problems or barriers exist
which makes me feel	Describe the emotions from the customer's point of view – *how does it impact them emotionally?*	Describe the emotions the result from experiencing the problems or barriers

I am	I'm trying to	But	Because	Which makes me feel
Citizen	Estimate the volume of traffic	It's take a long time for a police to control the traffic and it's difficult to the government to control the public from traffic rules	There is no such a algorithm for detecting the volume of the traffic and identifying the violations of traffic rules.	Frustrated

Problem Statement (PS)	I am (Citizen)	I'm trying to	But	Because	Which makes me feel
PS-1	Citizen	Estimate the volume of traffic	It's take a long time for a police to control the traffic and it's difficult to the government to control the public to follow traffic rules	There is no such a algorithm for detecting the volume of the traffic and identifying the violations of traffic rules.	Frustrated
PS-2	Citizen	Developing the Algorithm for traffic volume and identifying the violation of traffic rules using ML	Arranging the algorithm developed system in the heavy traffic places for better estimation of volume of a traffic.	This algorithm detect the traffic rules violations	Frustrated