Ideation Phase
Define the Problem Statements
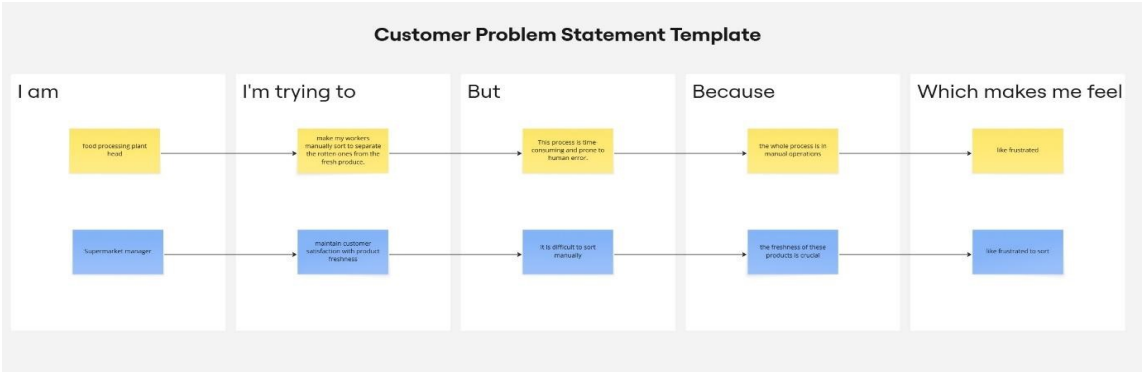
Date	27 JUNE 2025
Team ID	LTVIP2025TMID59882
Project Name	TrafficTelligence: Advanced Traffic Volume Estimation with Machine Learning
Maximum Marks	2 Marks

Customer Problem Statement Template:

 To overcome the problem of traffic congestion, the traffic prediction using machine learning which contains regression model and libraries like pandas, os,numpy,matplotlib.pyplot are used to predict the traffic. This has to be implemented so that the traffic congestion is controlled and can be accessed easily.Users can collect the traffic information of the traffic flow and can also check the congestion flow from the start of the day till the end of the day with the time span of one hour data. In this way, Users can know the weather conditions of the roads that they would probably opt to take. This also tells the accuracy of the traffic by comparing their mean square errors of the past year's data and the recent year's data. Users can also know how many vehicles are traveling on average by the traffic prediction

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

Reference: https://miro.com/templates/customer-problem-statement/

Customer Problem Statement Template

I am	I'm trying to	But	Because	Which makes me feel
food processing plant head	make my workers manually sort to separate the rotten ones from the fresh produce.	This process is time consuming and prone to human error.	the whole process is in manual operations	like frustrated.
Supermarket manager	maintain customer satisfaction with product freshness	It is difficult to sort manually	the freshness of these products is crucial	like frustrated to sort

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	a world traveller.	Find the traffic less roads to travel easily to my destination.	It is difficult to know the traffic on the roads.	the whole process is in manual operations	like frustrated