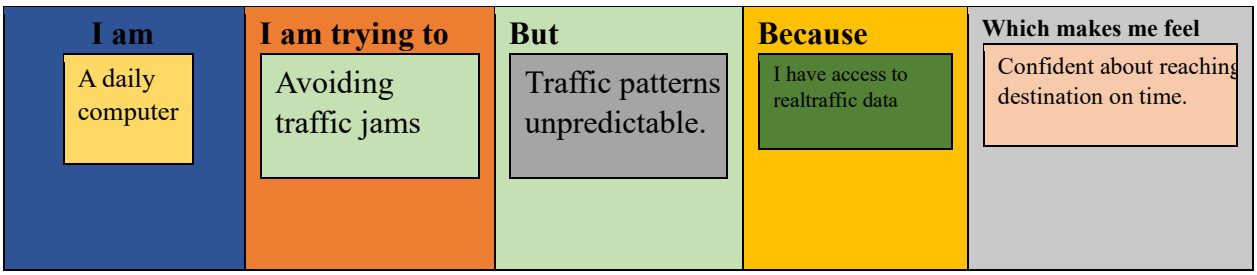
Project Initialization and Planning Phase

Date	10 July 2024
Team ID	740670
Project Name	**TRAFFICTELLIGENCE-Advanced Traffic Volume Estimation With Machine Learning**
Maximum Marks	3 Marks

Define Problem Statements (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, pyplot matplotlib 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 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.



Problem Statement (PS)	I am (Customer)	I am trying to	But	Because	Which makes me feel

PS-1	A daily computer	Avoiding traffic jams	Traffic patterns are unpredictable.	I have access to real-time traffic data.	Confident about reaching my destination on time.