

## Ideation Phase

### Define the Problem Statements

Date	10 May 2023
Team ID	NM2023TMID10156
Project Name	AI enabled car parking using open CV
Maximum Marks	2 Marks

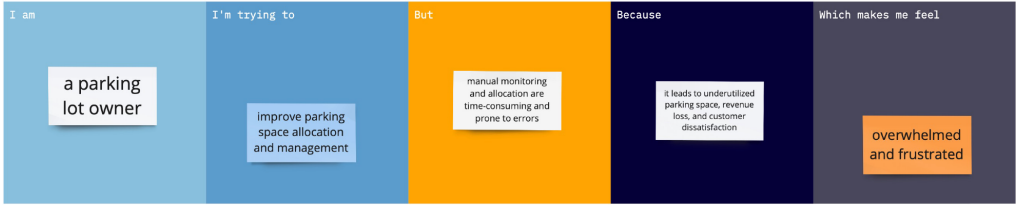
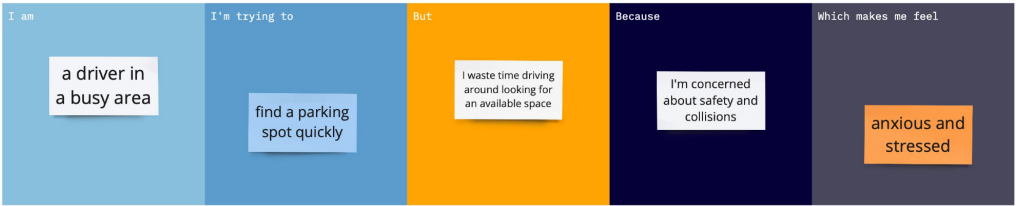
#### AI enabled car parking using open CV:

As a driver in a busy area, I often struggle to find a parking spot quickly. This wastes a lot of my time driving around, which is not only frustrating but also stressful. Additionally, I'm always concerned about safety and potential collisions as I navigate through busy parking lots. All of these factors contribute to feelings of anxiety and stress, and I need a solution that can address these challenges.

As a parking lot owner/operator, I'm trying to improve parking space allocation and management to better serve my customers and increase revenue. However, the current manual monitoring and allocation processes are time-consuming and prone to errors, resulting in underutilized parking space, revenue loss, and customer dissatisfaction. These challenges make me feel overwhelmed and frustrated

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

Example:



miro

Problem Statement (PS)	I am (Customer)	I’m trying to	But	Because	Which makes me feel
PS-1	a driver in a busy area	find a parking spot quickly	I waste time driving around looking for an available space	I'm concerned about safety and collisions	anxious and stressed
PS-2	a parking lot owner	improve parking space allocation and management	manual monitoring and allocation are time-consuming and prone to errors	it leads to underutilized parking space, revenue loss, and customer dissatisfaction	overwhelmed and frustrated