

Ideation Phase

Define the Problem Statements

Date	29 April 2023
Team ID	NM2023TMID12066
Project Name	AI enabled car parking using open CV
Maximum Marks	2 Marks

Customer Problem Statement Template:

Create a problem statement to understand your customer's point of view. The Customer Problem Statement template helps you focus on what matters to create experiences people will love.

A well-articulated customer problem statement allows you and your team to find the ideal solution for the challenges your customers face. Throughout the process, you'll also be able to empathize with your customers, which helps you better understand how they perceive your product or service.

I am	Describe customer with 3-4 key characteristics - <i>who are they?</i>	Describe the customer and their attributes here
I'm trying to	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
but	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
because	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
which makes me feel	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

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



Problem	I am	I'm trying to	But	Because	Which makes me feel
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Statement (PS)	(Customer)				
PS-1	a customer	Park a car in available space .	It takes waste time and increase traffic congestion .	This system uses cameras and sensors to capture real-time images of the parking lot. The images are then processed using OpenCV algorithms to detect empty parking spaces. This information is then communicated to drivers through digital displays or mobile applications, allowing them to find available spots quickly and easily.	Frustration
PS-2	Driver	Finding available parking spaces in crowded areas such as shopping malls, airports, or busy streets.	It takes long time and increase traffic congestion .	Help in managing the overall parking process by monitoring the occupancy of each parking space and to optimize the use of available space and reduce congestion.	Frustration