

LTVIP2025TMID32454Ideation Phase

Define the Problem Statements

Date	3 June 2025
Team ID	LTVIP2025TMID32454
Project Name	Clean Tech:Transforming Waste Management with Transfer learning
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/>

Example:

Customer Problem Statement Template

I am	I'm trying to	But	Because	Which makes me feel
<div>I am</div> <div>recycling center worker</div>	<div>I'm</div> <div>efficiently and accurately sort mixed waste,</div>	<div>But</div> <div>manual sorting is slow</div>	<div>Because</div> <div>depends heavily on human labor with minimal technological assistance,</div>	<div>Which makes me feel</div> <div>overwhelmed and concerned about sustainability and operational efficiency,</div>

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	I'm trying to efficiently and accurately sort mixed waste	But manual sorting is slow, error-prone, and physically demanding	Because the process depends heavily on human labor with minimal technological assistance	Because the process depends heavily on human labor with minimal technological assistance	Which makes me feel overwhelmed and concerned about sustainability and operational efficiency.
PS-2	I am a municipal waste authority or city planner	I'm trying to ensure residents dispose of waste correctly in public bins, ?	But improper segregation leads to contamination of recyclables and increases waste processing costs	Because there's no real-time system to guide or correct waste disposal behavior,	Which makes me feel frustrated by the lack of compliance and the inefficiency of current systems