

Ideation Phase

Define the Problem Statements

Date	12/10/2022
Team ID	PNT2022TMID33933
Project Name	Gas Leakage Monitoring and Alerting System
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 - 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

Example:

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	We are ask for feedback and show how you are using	Detect the gas leakage	Expose to a gas leakage in your house	Although the immediate cause of gas leakage i mainly human ,environmental	Health as well as the environment

	it to improve product			etc	
PS-2	Chemical engineer	Prevent toxic gases from inhalation	It cannot describe separate	It is difficult to measure toxic gases in low concentration	Uncomfortable