

Ideation Phase







Define the Problem Statements

Date	19 February 2026
Team ID	LTVIP2026TMIDS62229
Project Name	Exploratory Analysis of Rain Fall Data in India for Agriculture
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.

Customer Empathy Template- Rainfall Prediction Project		
I am...	 A farmer / event planner / traveler who depends on weather conditions to make daily decisions. I rely on weather forecasts to protect my crops, plan events, and avoid financial losses.	
I'm trying to..	 Plan my activities for tomorrow by knowing whether it will rain or not. I want to make informed decisions about irrigation, harvesting, travel, or outdoor events.	
but...	 Weather predictions are sometimes confusing, inaccurate, or too technical. Sudden rainfall disrupts my plans and causes unexpected losses. I don't always have access to a simple and clear prediction system.	
because...	 Weather patterns are unpredictable and traditional forecasts may not be personalized or location-specific. Many weather apps provide too much data but not simple decision-based guidance.	
because...	 Weather patterns are unpredictable and traditional forecasts may not be personalized or location-specific. Many weather apps provide too much data but not simple decision-based guidance.	How Our Project Solves This: <ul style="list-style-type: none"> ✓ Simple next-day rain prediction ✓ Clear "Yes/No" result with probability ✓ Easy-to-use web interface ✓ Quick decision support
which makes me feel..	 Uncertain and anxious about tomorrow's plans. Worried about financial loss or damage. Frustrated when plans fail due to unexpected rain.	

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

Example:



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1					
PS-2					