

Ideation Phase

Define the Problem Statements

Date	17 Feb 2026
Team ID	LTVIP2026TMIDS57051
Project Name	Exploratory Analysis of Rainfall Data in India for Agriculture.
Maximum Marks	2 Marks

Customer Problem Statement

Farmers and individuals who depend on weather conditions for daily planning often struggle with uncertainty regarding rainfall. Existing weather forecasting platforms may be complex, generalized, or not easily accessible for quick decision-making. As a result, users face difficulties in planning agricultural activities, irrigation schedules, travel, and outdoor work, which can lead to financial loss, wasted resources, and inconvenience.

Customers need a simple, reliable, and easy-to-use solution that can quickly predict whether it will rain based on basic weather parameters. They want clear results without technical complexity, so they can confidently make informed decisions.

The core problem is the lack of an accessible, real-time rainfall prediction tool that transforms weather data into understandable insights for everyday users. The Rainfall Prediction Web Application addresses this gap by providing a user-friendly platform that delivers instant, machine learning-based predictions to support better planning and reduce weather-related risks.

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:

