

Ideation Phase

Define the Problem Statements

Date	17 February 2026
Team ID	LTVIP2026TMIDS70003
Project Name	Weather-Based Prediction of Wind Turbine Energy
Maximum Marks	2 Marks

Customer Problem Statement Template: Wind Turbine Energy Prediction

Energy companies, wind farm operators, and grid managers are increasingly dependent on renewable energy sources to meet growing demand and reduce reliance on fossil fuels. Wind energy is a critical part of this transition, but its production is highly variable due to weather conditions.

Empathy Statement:

Customers feel frustrated when they cannot rely on renewable energy predictions. They want confidence that their investments in wind energy will deliver consistent results, and they need tools that make renewable energy management as predictable and dependable as traditional sources.

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

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					