

Ideation Phase

Define the Problem Statements

Date	09 October 2022
Team ID	PNT2022TMID24172
Project Name	Essential Water Quality Analysis and Prediction using Machine 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 - who are they?	Describe the customer and their attributes here
I'm trying to	List their outcome or "job" the user wants - 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

Problem Statement:

PROBLEM STATEMENTS



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Lab technician	Analyze the quality of Water	I am unable to do it	The quality of water is based on various parameters. We depend on lab equipment which Show minor variations and is not accurate.	Tiresome and burdensome
PS-2	An Individual from the village	Find how good is my well water and check whether it fit for drinking	I am unable to do it	I am dependent on Technical Laboratories which takes 2 days for analysis	Frustrated and despair. It makes my life miserable
PS-3	Manufacturer	Know whether the water from nearby water body is fit for the production in my industry	I am unable to do it	The accuracy of water's quality is poor and there are no other way to improve	Terrible and grievous. It brings me loss and depreciation.