

## Ideation Phase

### Define the Problem Statements

Date	19 September 2022
Team ID	PNT2022TMID52665
Project Name	Project -Efficient 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.

<b>I am</b>	Describe customer with 3-4 key characteristics - who are they?	<b>I am a citizen of the country, A private / government organization, A water purifier company</b>
<b>I'm trying to</b>	List their outcome or "job" the care about - what are they trying to achieve?	<b>I am trying to determine the quality of water to check if it's drinkable or usable</b>
<b>but</b>	Describe what problems or barriers stand in the way - what bothers them most?	<b>If the quality of water is reduced it might result in diseases and might harm the environment</b>
<b>because</b>	Enter the "root cause" of why the problem or barrier exists - what needs to be solved?	<b>Water pollution has been increasing alarmingly</b>
<b>which makes me feel</b>	Describe the emotions from the customer's point of view - how does it impact them emotionally?	<b>The lives of people depend on water since it is a basic need</b>

#### Example:

I am	I'm trying to	But	Because	Which makes me feel
citizen of this country	drink clean water	Its mostly dirty and undrinkable	the pollution and exploitation of humans	frustrated

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Citizen of country	Drink clean water	Its mostly dirty	The pollution and exploitation of human	Frustrated

