

Ideation Phase

Define the Problem Statements

Date	21 October 2022
Team ID	PNT2022TMID38102
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Project Name	Efficient Water Quality Analysis & Prediction using Machine Learning
Maximum Marks	2marks

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.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A farmer	Irrigate my crops with sufficient minerals	Unaware about how to identify the quality	The water quality is already lacking	Worried about the yield
PS-2	A normal person who wishes to lead a healthy life	Drink water with sufficient minerals	Don't know how to find it	The water is contaminated recently	Concerned about the health
PS-3	Lab technician	Water quality is needed inorder to satisfy the industrial needs	Unaware of water quality index(WQI)	There are many models for prediction	agitated
PS-4	Affected person	Find a good quality water	Unaware about how and where to find it	Most of the disease spread due to contamination of water	restless
PS-5	Corporate companies	Need a good quality to use upon their products	Unable to sort out	Cannot find an appropriate metric	worried

VISUALISATION:



