

Ideation Phase

Define the Problem Statement

Date	19 September 2022
Team ID	PNT2022TMID54402
Project Name	Efficient water quality analysis and prediction using machine learning
Maximum Marks	4 Marks

PROBLEM STATEMENT 1

I am	I'm trying to	But	Because	Which makes me feel
Staff of the Water Quality Testing Agency.	assist the users in anticipating the water quality index and provide the most effective treatment methods.	It is challenging for me to always be present for every user.	I have to control the working hours and assist customers in accordance with the schedule.	Feeling too much stressed.

PROBLEM STATEMENT 2

I am	I'm trying to	But	Because	Which makes me feel
Industry personnel.	Determine the WQI based on the appropriate characteristics, which are crucial for many elements of water utilization in the sectors.	I'm not aware that the technique works for industrial uses.	I doubt whether the metrics to forecast quality are sufficient to be effective with all types of water samples.	Confused

PROBLEM STATEMENT 3

I am	I'm trying to	But	Because	Which makes me feel
Distributors of domestic water.	Calculate the odds of water samples.	The source of the water's origin is unknown to me.	The water supply may or may not be polluted and may also include contaminants.	Disbelief

PROBLEM STATEMENT 4

I am	I'm trying to	But	Because	Which makes me feel
Communities at large	Determine the water's quality and categories it is depending on domestic requirements.	I must rely on the agency conducting the water quality tests to interpret the findings.	My knowledge of the factors affecting water quality and my access to testing equipment are both inadequate.	Dejected and skeptical about the testing organization's reliability.