

# Ideation Phase

## Define the Problem Statement

New table

DATE	17 OCTOBER 2022
TEAM ID	PNT2022TMID39608
PROJECT NAME	EFFICIENT WATER QUALITY ANALYSIS AND PREDICTION USING MACHINE LEARNING
MAXIMUM MARKS	2 MARKS

### PROBLEM STATEMENT 1

I am	I'm trying to	But	Because	Which makes me feel
Water Quality Testing Agency Staffs	Help the customers in predicting the water quality index and recommend the appropriate purification techniques.	It is hard for me to be available all the time for every customer.	I have to manage the working hours and can help the customers based on the schedule given.	Over Stressed

### PROBLEM STATEMENT 2

I am	I'm trying to	But	Because	Which makes me feel
Industry People	Predict the WQI based on the suitable parameters that is really important for different aspects of water usage in the industries.	I am unaware that the system is compatible for industry purposes.	I have doubt that the available parameters to predict the quality are quite enough to work with all kinds of water samples.	Confused

### PROBLEM STATEMENT 3

I am	I'm trying to	But	Because	Which makes me feel
Domestic Water Distributors	Predict the potability of water samples.	I am unsure about the source from where the water was taken.	The source of water may or may not be polluted and maybe filled with contaminants also.	Disbelief

### PROBLEM STATEMENT 4

I am	I'm trying to	But	Because	Which makes me feel
General Public	Predict the quality of water and classify them based on our domestic needs.	I have to depend on the water quality testing agency for interpretation of results.	I don't have enough testing tools or kits and knowledge about the parameters governing the quality of water.	Dejected and Unsure to Trust the Testing Agencies