

Ideation Phase

Define the Problem Statements

Date	26 September 2022
Team ID	PNT2022TMID12777
Project Name	Project – Real Time River Water Quality Monitoring and Control System
Maximum Marks	2 Marks

REAL-TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM

I am
I'm trying to
But
Because
Which makes me feel

An Officer, Water Quality Wing, TWAD
Provider of High Quality Measurement techniques and ensuring Potable water for public

1. Ensure good quality water
2. Create awareness on providing good quality water

1. Availability of real time data is difficult
2. Daily check of quality is quite impossible

Lots of Man power required and cost of setup is also high

Self reliant is not there and budget constraints will also be there

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Officer, Water Quality Wing, TWAD 1. Provider of high quality measurement services 2. Ensuring potable for Public 3. Creating Awareness for good quality of water	1. Ensuring that the public drinks good quality water by providing good quality measurement techniques 2. Create awareness on hoe to maintain the quality of water by taking necessary steps	1. To ensure quality, real time data is needed 2. Difficult to check the quality on daily basis 3. Difficult to watch over any unwanted disposals are being dumped	1. Lots of Man Power Required 2. Requires high cost 3. Setting up of Instruments is tedious and disturbs public	1. Self reliant is not achievable because of dependent on large man power. 2. Sometimes Budget constraints will be imposed in testing so proper testing is not ensured

