

Ideation Phase

Define the Problem Statements

Date	19 September 2022
Team ID	PNT2022TMID06458
Project Name	Real-Time River Water Quality Monitoring And Control System
Maximum Marks	2 Marks

Customer Problem Statement Template:

River water is a finite resource that is necessary for agriculture, industry and the survival of all living things on the planet, including humans. Sometimes the dangerous particles or chemicals are mixed in the river water and general purpose water purifier cannot purify that. And it's impossible to check the quality of river water manually in every time. Bathing in contaminated river waters causes skin diseases, allergies, and other such ailments. So an automatic real-time river water quality monitoring and control system is required to monitor the water reserved in our river water. And we can check the quality of water anytime and from anywhere.

Example:

I am	I'm trying to	But	Because	Which makes me feel
common man who lives an ordinary life	get a pure water from a river	at the time it is difficult to use the water from the river	of contamination and plastic pollutants in river water	very bad and disappointment

I am	I'm trying to	But	Because	Which makes me feel
farmer from the agriculture side	get a pollutant free water from the river for agriculture	at the time it is difficult to use the water from the river	of contamination and plastic pollutants in river water	very bad and disappointment

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	common man who lives an ordinary life	get pure water from a river	at the time it is difficult to use the water from the river	of contamination and plastic pollutants in river water	very bad and disappointment
PS-2	A farmer from the agriculture site	get a pollutant free water from the river for agriculture field	at the time it is difficult to use the water from the river	of contamination and plastic pollutants in river water	very bad and disappointment