

## Ideation Phase

### Define the Problem Statements

Date	17 October 2022
Team ID	PNT2022TMID12856
Project Name	Real-Time River Water Quality Monitoring and Control System
Maximum Marks	2 Marks

#### Customer Problem Statement Template:

I am	I'm trying to	But	Because	Which makes me feel
As an farmer I use the water from the river for irrigation.	I am trying to make sure that the water is free from contamination and does not affect my crops.	But I am unable to filter the contaminated water due to lack of knowledge and resources.	It is because of the over contamination in the river and due to the difficulty of figuring out the ideal solution to filter the water	Worried and frustrated as it damages my crops

miro

Reference: <https://miro.com/templates/customer-problem-statement/>

<b>Problem Statement (PS)</b>	<b>I am (Customer)</b>	<b>I'm trying to</b>	<b>But</b>	<b>Because</b>	<b>Which makes me feel</b>
PS-1	As a farmer I use the water from the river for irrigation.	I am trying to make sure that the water is free from contamination and does not affect my crops.	But I am unable to filter the contaminated water due to lack of knowledge and resources.	It is because of the over contamination in the river and due to the difficulty of figuring out the ideal solution to filter the water.	Worried and frustrated as it damages my crops.
PS-2	I'm a Fisherman	I fish in the river and sell the fishes I catch for a living. I couldn't find any fishes in the river most of them are dead and the breeding has drastically reduced.	But each time I require information about river water quality for analysis. Lack of knowledge on the	Because, I can't do my task on time since evaluating the river water quality takes additional time.	To fish, I require an automated river water management and control system.