

Ideation Phase

Define the Problem Statements

Date	18 October 2022
Team ID	PNT2022TMID12734
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 a soft drink manufacturer, I struggle with the problems caused by the river that served as my source of water.	I'm attempting to reduce my water filtration procedure by getting clean and quality river water for my products	However, I'm unable to succeed since I haven't found a suitable alternative to manual labour or a workable solution	Because the filtration procedure is more time-consuming with poor water quality, we are unable to produce the best product possible	It is one of the obstacles to the success of my firm and makes me responsible for customer happiness

miro

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

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	As a soft drink manufacturer, I struggle with the problems caused by the river that served as my source of water.	I'm attempting to reduce my water filtration procedure by getting clean and quality river water for my products	However, I'm unable to succeed since I haven't found a suitable alternative to manual labour or a workable solution	Because the filtration procedure is more time-consuming with poor water quality, we are unable to produce the best product possible.	It is one of the obstacles to the success of my firm and makes me responsible for customer happiness.
PS-2	I'm a Farmer	In order to irrigate sufficiently my fields, I depend on large scale water bodies. I must consider the quality factor of the river's water quality.	But each time I require information about river water quality for irrigation, I have to do it by hand, since I haven't discovered a good replacement to the manual way.	Because, I can't do my task on time since considering the river water quality takes additional time.	It gives me the impression that, in order to irrigate my fields with quality water, I need an automated river water management and control system that will allow me to use the data it generates for my irrigation.