

Ideation Phase Define the Problem Statements

Date	12 October 2022
Team ID	PNT2022TMID54363
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 am dealing with issues caused by the river that serves as my water source.	I'm attempting to cut down on my water filtration procedure by obtaining clean, high-quality river water for my products.	However, I am unable to succeed because I have not discovered a suitable alternative to manual labour or a viable solution.	We are unable to produce the best product possible because the filtration procedure is more time-consuming with poor water quality.	It is one of the barriers to my company's success and makes me responsible for customer satisfaction.

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Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	As a soft drink manufacturer , I am dealing with issues caused by the river that serves as my water source.	I'm attempting to cut down on my water filtration procedure by obtaining clean and high-quality river water for my products.	However, I am unable to succeed because I have not discovered a suitable alternative to manual labour or a workable solution.	We are unable to produce the best product possible because the filtration procedure is more time-consuming with poor water quality..	It is one of the barriers to my firm's success and makes me responsible for customer satisfaction.
PS-2	I'm a Limnologists	I need to assess the river's water quality in order to conduct research for my current thesis on river water management and its effects on ecosystems .	But, because I haven't found a good replacement for the manual method, I have to do it every time I need information about river water quality for analysis.	Because evaluating the river water quality takes extra time, I won't be able to complete my task on time.	It gives me the impression that, in order to complete my thesis as soon as possible, I will require an automated river water management and control system that will allow me to use the data it generates for my research.