

Ideation Phase

Problem Statements

Team ID	PNT2022TMID16162
Project Name	Real-Time River Water Quality Monitoring and Control System
Maximum Marks	2 Marks

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 Limnologists	In order to do my research for my current thesis on river water management and its effects on ecosystems, I must evaluate the river's water quality.	But each time I require information about river water quality for analysis, 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 evaluating the river water quality takes additional time.	It gives me the impression that, in order to finish my thesis quickly, I need an automated river water management and control system that will allow me to use the data it generates for my research.