

Problem Statements

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID47935 |
| Project Name | Project – Real – Time River Water Quality Monitoring And Control System |
| Maximum Marks | 2 Marks |

Customer Problem Statement:

Traditional methods of water quality involve the manual collection of water sample at different locations, followed by laboratory analytical techniques in order to characterize the water quality. Such approaches take longer time and are no longer to be considered efficient. Although the current methodologies analyze the physical, chemical and biological agents, it has several drawbacks: a) poor spatiotemporal coverage b) it is labor intensive and high cost (labor, operation; and equipment) c) the lack of real time water quality information to enable critical decisions for public health protection. Therefore, there is a need for continuous online water quality monitoring.

CUSTOMERS REPORT

| Problem Statement (PS) | I am (Customer) | I'm trying to | But | Because | Which makes me feel |
|------------------------|-----------------|----------------------------------|-----------------|-------------------------------|---------------------|
| PS-1 | Rural People | Investigate the quality of water | Lag of network | Doesn't have a mobile version | Irritated |
| PS-2 | Juice companies | track my company's water path | I can't make it | There is no facility to track | Frustrated |