

PROBLEM FIT SOLUTION

Date	04/10/2022
Team ID	PNT2022TMID49915
Project name	Real-Time water quality monitoring and control system

PROBLEM FIT SOLUTION:

Customer Segment:

Domestic applications, agriculture, aqua culture and municipal waste recycling.

Customer Constraints:

System hardware need to be handled with care.

Only limited users are added to handle the system

Only the person who authorized to system able to access it.

Available Solution:

The project proposes an IoT.

Based low-cost system to monitor water quality in real time, analyse water quality trends & detects anomalous events such as intentional contamination of water.

Jobs-To-Be-Done/Problems:

Ever increasing pollution due to urbanizations, industrialization & population growth. To sustain quality of life, it is imperative to detect water pollutants causing contamination.

Problem Root Cause:

The main cause of water quality problems are over exploitation of natural resources. The rapid pace of industrialization, fertilizer, and non enforcement of laws led to water pollution to a large extent.

Behaviour:

Our project resemble with the existing system that both the systems will collect the water quality parameters and monitors.

Triggers:

The Customers get triggered when they read a more efficient solution in the news

Emotions: Before/After

Water Contamination have severe impact on human health (3.7 million Indians were affected).

Your Solution:

Proper implementation helps to avoid missing of data

Channel of Behaviour:

Mainly our customers are the people who are staying in the coastal areas.