

PROJECT DESIGN PHASE 1

SOLUTION KIT

Date	17 October 2022
Team ID	PNT2022TMID27380
Project Name	Real-Time River Water Monitoring and Control System

1.Customer segment(s)	2. Customer constraints	3. Available solutions
People living in rural areas near the river, who use river water	A water quality monitoring system is used to identify water pollution in a specific area. People may find it hard to recover if any fault occurs, this system prevents people from water pollution.	Individual notification to each people could be sent, it is not possible this system will still notify the corporation and they can further notify the people to be aware.

4.Jobs-to-be-done / Problems	5. Problem root cause	6. Behavior
The river water quality monitoring system checks periodically, the dust particles, temperature, and PH level and gives notification to the public when the water quality varies.	We know that the sensor is expensive and the system needs more than one sensor to work, these sensors are used periodically to check the quality of water, and if any problem needs to be replaced frequently.	The customer could use the user guide provided to overcome the problem or else they can report and contact the corporation. They will take care of the problem.