Real time river water quality **Project Title:** and monitoring system

Project Design Phase-I - Solution Fit

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Define CS, fit into

1.CUSTOMER SEGMENT(S)



6.CUSTOMER CONSTRAINTS



5. AVAILABLE SOLUTIONS



Explore AS, differentiate

- Agricultural people to monitor their irrigation water.
- Home usage for drinking water
- Commercial usage to check the water quality

- Installation charges
- Complex beginning process



- All available ways to check the quality use up lot of water
- Spread of any water borne diseases can be prevented.

2.JOBS TO BE DONE/PROBLEM



9. PROBLEM ROOT CAUSE



7.BEHAVIOR



- Control of algal blooms
- Monitoring pH value, turbidity

When people get to know about how bad

4. EMOTIONS BEFORE AND AFTER

Before: Worried about health After: Happy to drink pure water

Measure of water quality

- Mixing up of industrial waste in river
- Polluting river
- Growth of chemical substantial microorganism

- Reduce use of fertilizers.
- Avoid disposal of waste in river water
- Check the mixing of any chemical substance in river.

3.TRIGGERS

is their water



EM

design.

10. YOUR SOLUTION



Monitoring all the water parameters of the water.

- Based the monitoring results the quality of the water is checked
- Control of algal bloom and other water diseases

8. CHANNELS OF BEHAVIOR



Online: Check the water quality and analyzed results are monitored.

Offline: Less usage of chemicals and polluting water in less amount.