Project Title: Real time river water quality and monitoring system

Project Design Phase-I - Solution Fit

Team ID: PNT2022TMID03762

Define CS, Explore AS, differentiate 1.CUSTOMER SEGMENT(S) AS CC 5. AVAILABLE SOLUTIONS CS 6.CUSTOMER CONSTRAINTS Agricultural people to monitor All available ways to check the Installation charges their irrigation water. quality use up lot of water Complex beginning process fit into Home usage for drinking water Spread of any water borne diseases Commercial usage to check the can be prevented. water quality J&P 2.JOBS TO BE DONE/PROBLEM 9. PROBLEM ROOT CAUSE PRC **7.BEHAVIOR** Control of algal blooms Mixing up of industrial waste in river Reduce use of fertilizers. Monitoring pH value, turbidity Polluting river Avoid disposal of waste in river water Measure of water quality Growth of chemical substantial Check the mixing of any chemical microorganism substance in river. 3.TRIGGERS TR SL 8. CHANNELS OF BEHAVIOR CH **10. YOUR SOLUTION** When people get to know about how bad Online: Check the water quality and Monitoring all the water parameters analyzed results are monitored. is their water

of the water.

4. EMOTIONS BEFORE AND AFTER
Before: Worried about health
After: Happy to drink pure water

of the water.

of the water is checked

of the water.

of the water is checked

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entify strong TR &