Problem-Solution fit canvas 2.0

Purpose / Vision

1. CUSTOMER SEGMENT(S) — CS

- Aqua ponics
- Dam safety organisation (SDSO)
- Wholesaler of mineral water

5. CUSTOMER CONSTRAINTS — CC

- Sensors are used
- Compact in size
- Consumes low power

8. AVAILABLE SOLUTIONS — AS

- The technology develops a means to supervise and track river water in real time so that quality and flow can be maintained to use less electricity and deliver at a lower cost
- The device will be small and simple to operate and cons is Device use without sufficient network connection

2. JOBS-TO-BE-DONE / PROBLEMS — J&P

- To control the flow of water using IOT
- To identify the ph value and mineral content in the water
- To identify the presents of algal bloom in the tank or water bodies
- The quality , quantity and temperature of the water can be maintained

6. PROBLEM ROOT CAUSE — RC

- It involves improper upkeep of the water supply and inappropriate upkeep of the people.
- Lack of system administration and upkeep is the problem.
- It uses a lot of electricity.

9. BEHAVIOUR — BE

- To recognise the tank's algae growth. checks the PH level, mineral content, temperature, water flow direction, and water quantity.
- These are portable and are easily maintainable.
- It uses less data and power.Additionally, it might serve as a reference for the best safety steps to take.

3. TRIGGERS — TR

- They are able to recognise the issue with the water without anyone's assistance.
- It uses little energy and is small in size. Customers will find it easy to use

4. EMOTIONS: BEFORE / AFTER — EM

- Before :Anxity,time consumption and unaware of things
- After:aware of things ,less time consumption and pleasure

7. YOUR SOLUTION — SL

- The system finds a way for supervising and monitoring the real time river water so that quality & flow can be maintained
- To consume less powerconsumption and to provide in cheaper cost
- The device will be in compact size and user friendly to use

10. CHANNELS of BEHAVIOUR — CH

ONLINE

- The cloud storage can be used to regulate water flow.

OFFLINE

- The proposed system includes a number of sensors to test and guarantee the water's quality based on factors including pH, temperature, conductivity, turbidity, and ardunio.