Problem-Solution fit canvas 2.0

IOT Based Safety Gadget for Child Safety Monitoring and Notification

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) CS

- Aqua ponics.
- Dam safety organisation (SDSO).
- Fish culture (Pisciculture).
- Wholesaler of mineral water.

5. CUSTOMER CONSTRAINTS CC

- Sensors are used.
- Compact in size.
- Clouds for storage purpose
- Consumes low power.
- Without proper network connection the device be used.
- Adaptable for the users.

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.

Explore AS, differentiate

Focus on J&P, tap into

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.

Focus on J&P, tap int C

Identify strong TR & EM

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 power consumption and to provide in cheaper cost.
- The device will be in compact size and user friendly to use.

10.CHANNELS of BEHAVIOUR CH

8.1 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.

Extract online & offline CH of BE

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