PROBLEM- SOLUTION FIT TEMPLATE

Date	28 October 2022
Team ID	PNT2022TMID11545
Project Name	Project -(IOT based Real time River water quality monitoring and control system)
Maximum Marks	4 Marks

Problem-Solution Fit canvas

Define CS, fit into CL

1. CUSTOMER SEGMENT(S) CS

*Quality checkers

*River Water monitoring authorities

6. CUSTOMER LIMITATIONS EG. BUDGET, DEVICES CL

* Wide biosphere

*Difficult to collect water samples.

5. AVAILABLE SOLUTIONS PLUSES & MINUSES AS

*The samples are collected and tested in Laboratories.
Plus: Accurate measurements are made.
Minus: It is a time consuming process.

Explore AS, differentiate

Focus on PR, tap into BE, understand RC

2. PROBLEMS / PAINS + ITS FREQUENCY PR

*Excess use of fertilizers leads to pollution which in turn leads to the death of animals.

*It also causes many diseases in human Beings.

9. PROBLEM ROOT / CAUSE RC

*Excessive use of fertilizers and pesticides.

*Pollution of water.

*Eutrophication

7. BEHAVIOR + ITS INTENSITY BE

*The authorities are responsible for the supply of quality water directly.

Identify strong TR & EM

3. TRIGGERS TO ACT TR

*To build a stable society

4.EMOTIONS EM

BEFORE- DISTRUST

AFTER-SURENESS

10. YOUR SOLUTION S

* The river water can be monitor witj the help of sensors.

* Immediate updation can be sent to the authorities .

8. CHANNELS of BEHAVIOR CH

ONLINE

*The SMS updations are sent through wireless technology .

OFFLINE

*The sensor senses the temperature,turbidity and PH.