PROBLEM SOLUTION FIT DOCUMENT

Purpose/Vision

DefineCS,fitintoCC

1.CUSTOMER SEGMENT(S)

Government authorities, Farmers and Drinking Water supplier.

6.CUSTOMER CONSTRAINTS

River water quality analysis replaces the need for using laboratory checking and reduces the time of delay required for result. The give instant solutions and suggestions like what it is and what can be done to change.

5.AVAILABLE SOLUTIONS

This work presents the architecture of river water monitoring systems based on contemporary IoT communication technology, AI, and Wireless Networks.

AI-based IoT applications to boost and save time for results and suggestions to the problems.

ExploreAS,differentiate

Focus onJ&P,tapintoBE,understandRC

2.JOBS-TO-BE-DONE / PROBLEMS

- Check the water quality.
- Check the level of chlorine in water.
- Check temperature of water.
- Check the pH level of water.
- Find if the water is suitable for drinking, agriculture and aquaculture.

9.PROBLEM ROOT CAUSE

Root Cause Analysis supported by input from the problems-sufferers, instruction manual studies, comparing design and actual operating data, gathering know how from relevant literature, tech journals articles and advertisements especially on new products.

7.BEHAVIOUR

Understand this decision-making process, the study attempts to assess river water monitoring technology model based on available resources, prevailing social and economic conditions and personal aspects of users India.

Focus onJ&P,tapintoBE,understandRC

3.TRI

Whattrig nels,r ea

IdentifystrongTR&EM

3.TRIGGERS

River water quality analysis work by checking the river water quality for providing clean drinking water for the people, farming, promoting aquaculture and other industries.

It is a best replacement for checking water quality in laboratories. The best quality is that it is user friendly.

4.EMOTIONS: BEFORE /AFTER

Without river water quality analysis it becomes difficult for government authorities, farmers, water suppliers and many more to analyze the quality of water for their purpose. After river water quality analysis, the process is made much simpler and easy to use.

10. YOUR SOLUTION

- Implement IOT based river water quality monitoring system to get instant results.
- Suggestions can be made to solve if any problem arises.

8.CHANNELS OF BEHAVIOURS

Online portal for making recommendations for problems based on pH parameters using Machine Learning.

Extractonline&offlineCHofBE