Problem - Solution Fit

Team Id: PNT2022TMID38291

IBM

to CL

1. CUSTOMER SEGMENT(S) CS

Water is the basic necessity for all kind of living beings. water is been used by every source of people in different areas such as Residential & commercial areas, testing purposes, etc.. All this we need quality and purified water. It impact the water quality monitoring management.

6. CUSTOMER LIMITATIONS EG. BUDGET, DEVICES CL

The quality testing required some basic set of budget required. If the water is not at standard quality it is an serious thread to all the people. Because water is essential one for all to sustain. Sometimes it may cause disease and it will affect the people,

5. AVAILABLE SOLUTIONS PLUSES & MINUSES AS

The available solution is finding water quality index (WQI) and water quality class (WQC).

Merits: It checks the turbitity, Ph, TDS, Hardness.

Demerits: It would identify the limited parameters in water.

Focus on PR, tap into BE, understand RC

2. PROBLEMS / PAINS + ITS FREQUENCY PR

It is very difficult to find the pure drinking water. Because it need more proof to be an qualified water. The rising water pollution ,resulting in lab testing to imperative reliability and accuracy and directly include the drinking water. The main problem is impurities present in the water.

9. PROBLEM ROOT / CAUSE RC

I Identify appropriate solution.

II Collect sufficient amount of data.

III Identify the associated casual factor.

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7. BEHAVIOR + ITS INTENSITY BE

Water quality analyst analyse the quality and develop policies and plans for control the factor which produce impurities.They conduct chemical,physical and biological test to define water quality standard.

to BE, understand RC

3. TRIGGERS TO ACT TR

This triggers to discover the pattern in user data and then make prediction based on intricate pattern for analyzing the quality of water. It also helps to improve the efficiency and more protected to drink

4. EMOTIONS BEFORE / AFTER EM

Before there is no technology to analyse the water quality so it cause problem in health issue. It cause disease such as diarrhea, dysentery, hepatitis, typhoid, polio and cholera. But now a days it is decreased because of Water monitoring system and methods of finding pure water.

10. YOUR SOLUTION SL

Using Advanced Artificial Intelligence seven significant parameters and developed models were evaluated based on some statistical parameters based on Naive Bayes algorithm, K Nearest Neighbor (KNN), Support Vector Machine (SVM) and Linear regression algorithm

8. CHANNELS of BEHAVIOR CH

ONLINE

Helps to notify the data preprocessing information.

OFFLINE

By attaining the standard quality of satisfy all parameterit is consider as pure water.

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f BE