Problem-Solution Fit

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Define CS, fit into CL

1. CUSTOMER SEGMENT(S) — CS

Based on water quality,the customer segment the quality into marine,residential & Commercial,lab testing,ground water and others.Allthis we need quality and purified water. It impact the water quality monitoring management.

6. CUSTOMER LIMITATIONS EG. BUDGET, DEVICES — CL

If the wateris not at standard quality it is an serious thread to allthe people. Because wateris essential one for allto sustain. Sometimes it may cause disease and it will affect the people

5. AVAILABLE SOLUTIONS PROS & CONS — 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 pAaramewters in water

Explore AS, differentiate

Focus on PR, tap into BE, understand RC

2. PROBLEMS / PAINS + ITS FREQUENCY — PR

It is ver y difficult to find to drinkingwater.Because it need more proofto 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

Identify appropriate solution

Collect sufficient amount of data

Identify the associated casual factor

7. BEHAVIOR + ITS INTENSITY — BE

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

Focus on PR, tap into BE, understand RC

Identify strong TR & EM

3. TRIGGERS TO ACT — TR

This triggers to discoverthe 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 caise disease suchg as diarrhoea, 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 naïve bayes algorithm, K Nearest Neighbour(KNN), Support Vector Machine(SVM) and Linearregression 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

Extract online & offline CH of BE