Problem-Solution Fit

Efficient Water Quality Analysis And Prediction Using Machine Learning

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) CS

Who is your customer?

People

6. CUSTOMER CONSTRAINTS CC

1. To determine whether water contains appropriate minerals.
2. Water is safe for drinking.
3. Does it contain any impurities
4. Suitable for irrigation and many more.

5. AVAILABLE SOLUTIONS AS

The available solution determine the values with predefined instruction.

Explore AS, differentiate

Focus on J&P, tap into

2. JOBS-TO-BE-DONE / PROBLEMS J&P

Measure and analysis the quality of the water

9. PROBLEM ROOT CAUSE RC

If there is no proper prediction of water quality in manufacturing sector, food production, drinking water, watering crops and many more, it can lead to great effect on the action we perform.

7. BEHAVIOUR BE

With the help of appropriate machine learning algorithm the quality of the water can be predicted accurate.

Focus on J&P, tap int C

Identify strong TR & EM

3. TRIGGERS TR

For example: The water available is needed to be classified for its best usage on its constituents for various purpose. To analyze it we can use ML prediction about the water.

4. EMOTIONS: BEFORE / AFTER EM

People would feel better after classified the quality of water for drinking, washing, watering crops, production usage and many purpose.

10. YOUR SOLUTION SL

1. It cluster the parameter like temperature, turbidity, hardness, pH level, and dissolved minerals in the water.

2. It also evaluate the effort of substantial nutrients loads on overall water quality.

3. Accurate model can be selected based on the outcome in the model evaluation.

8. CHANNELS of BEHAVIOUR CH

People can make use of ML prediction to provide the various characteristic of water as input and make it predict the proper use of water usage depending upon the predefined learnings to machine.

It makes easy to provide the measurements of water to the machine and to predict the usage of quality of water for better use.

Extract online & offline CH of BE