Project Title: Efficient Water Quality Analysis and Prediction using Machine Learning

Team ID:PNT2022TMID13654

Project Design Phase-I - Solution Fit

1. CUSTOMER SEGMENT(S)

General public ,Industry Analyst,Drinking water Analyst, Doctors, Researchers etc.

6. CUSTOMER CONSTRAINTS

Available water resources ,hardness and softness of water

chemical constraints etc.

5. AVAILABLE SOLUTIONS

Predicting the ph by using ph paper, by using normal

thermometer ,using temperature sensor.

2. JOBS-TO-BE-DONE / PROBLEMS

There are several constraints in water may be harmful.so we need to predict those harmful constraint and remove in order to make it useful in all ways.

9. PROBLEM ROOT CAUSE

Harmful constraints present in water may harm the human body and agriculture and other things. So people need to check the water quality before using it for various purposes.

7. BEHAVIOUR

People need to use water quality analyser to check the quality of water based on the usage for various things. It gives accurate constraints that resnet in water.

3. TRIGGERS

Help people to get the quality of water and efficiently use it according to their quality ,it will make people to increase their health and wealth in proper way.

10. YOUR SOLUTION

We are going to predict the quality of water by various constraints like temperature,ph, alkalinity, hardness and various chemical mixture in water .It helps to know the quality of water and use it efficiently.

8.CHANNELS of BEHAVIOUR

8.1 ONLIN

We need to give the various constraints that present in water to know the quality of vater in online.

8.2 OFFLINE

We can take water and able to know its quality directly in offline

4. EMOTIONS		
Affected by water borne disease>have less power (strength)>agriculture production goes less>improve in health>good production of agriculture		
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