Define CS, fit into CC

Explore AS, differentiate

1. CUSTOMER SEGMENT(S)

Who is your customer?
i.e. working parents of 0-5 y.o. kids
the people who need to check their quality of drinking water

6. CUSTOMER CONSTRAINTS

What constraints prevent your customers from taking action or limit their choices
of solutions? i.e. spending power, budget, no cash, network connection, available devices.
Easy method the low cost.

5. AVAILABLE SOLUTIONS

Which solutions are available to the customers when they face the problem

or need to get the job done? What have they tried in the past? What pros & cons do these solutions have? i.e. pen and paper is an alternative to digital note taking

advantages are protecting human health and user friendly. Disadvantage is the some of the water quality analyser is high cost

Focus on J&P, tap into BE, understand RC

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2. JOBS-TO-BE-DONE / PROBLEMS

Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides.

Predicting the urban water quality is a challenging task since the water quality varies in urban spaces non-linearly and depends on multiple factors, such as meteorology, water usage patterns, and land uses, so this project aims at building a Machine Learning(ML) model to Predict Water Quality by considering all water quality standards indicator.

& M

9. PROBLEM ROOT CAUSE

What is the real reason that this problem exists? What is the back story behind the need to do this job?
i.e. customers have to do it because of the change in regulations.

The presence of certain contaminants in our water can lead to health issues, including gastrointestinal illness, reproductive problems and neurological problems

Hence to check the quality of drinking water is very important.

7. BEHAVIOUR

What does your customer do to address the problem and get the job done?

The efficient water quality analysis include the system measures such as temperature, hardness, alkalinity, and pH to ensure the general quality and different

i.e. directly related: find the right solar panel installer, calculate usage and benefits; indirectly associated: customers spend free time on volunteering work (i.e. Greenpeace)

TRIGGERS

To estimate the number of bacteria present and to allow for recovery of microorganisms in order to identify them.

What triggers customers to act? i.e. seeing their neighbour installing solar panels, reading about a more efficient solution in the news.

YOUR SOLUTION

It makes the people to check the quality of water by checking the temperature, pH, alkalinity and to ensure that any microorganisms such as virus and bacteria present in water. It helps to customer to drink the healthy water

BEHAVIOUR

Check the quality of water by checking for any microbes present in water and by checking the temperature, alkalinity, etc. to provide the good water

EMOTIONS: BEFORE / AFTER

How do customers feel when they face a problem or a job and afterwards?
i.e. lost, insecure > confident, in control - use it in your communication strategy & design.

Water is considered as a vital resource that affects various aspects of human health and lives. The
Quality of water concern for people living in urban areas. The quality of water serves a powerful environment determinant and a foundation for the prevention and control of waterborne diseases