Project Design Phase-I - Solution Fit

Project Title: IoT Based Real Time Water Quality and Monitoring and Controlling for Domestic Use
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Define CS, fit into CC

1.CUSTOMER SEGMENT(S) CS

- Here the customers are the people in the need of ground water.
- Farmers who plant crops in the fields.

6. CUSTOMER CONSTRAINTS CC

- Costly equipment
- Timely alerts are not possible

5. AVAILABLE SOLUTIONS AS

- People get the quality of water either for domestic or commercial (factory/farming)
- User get to know the current water quality.

Explore AS, differentiate

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

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

Remembrance of water quality measure by sensors.

- Message sent on regarding water quality to the closest persons.
- Alert the patient about the low water quality

9. PROBLEM ROOT CAUSE

- Purifiers cannot monitor the water all the time.
- Elder people(self-reliant) who needs care to be taken.
- Water might have more nutrients at high level this leads unhealthy crops.

7. BEHAVIOUR

- The customer can use ‘help’ option in the application to get the problem solved.
- The user can use user guide available in the ‘about’ section for reference.

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

Identify strong TR & EM

3. TRIGGERS TR

- The customers are introduced with this by prior users
- By seeing ads on the internet.

4. EMOTIONS: BEFORE / AFTER EM

BEFORE:

Customers drinks unchecked water and feel unhealthy.

AFTER:

Now after using this application customers are taking their waters properly at good quality.

10. YOUR SOLUTION SL

Notifying of water quality through message with the help of data fed from the sensors which is stored in cloud and given to application.

8.CHANNELS of BEHAVIOUR CH

ONLINE:

Customers can set reminder about their water quality in online mode.

OFFLINE:

Customers get notification alert to check water quality on proper time in offlinemode.

Extract online & offline CHOF be