

IOT Based Real Time River Water Quality Monitoring And Control System

1. CUSTOMER SEGMENT(S)

CS

Who is your customer?

According to our problem solution People who drink river water are our customer

2. JOBS-TO-BE-DONE / PROBLEMS

Which jobs-to-be-done (or problems) do you address for your customers?

It checks the pH and temperature of the river water periodically and intimates the people when the abnormal conditions exists.

6. CUSTOMER CONSTRAINTS

CC

What constraints prevent your customers from taking action or limit their choices of solutions?

As we used only one device for a specific region people may find it difficult to recover when fault occurs as we used sensors.

5. AVAILABLE SOLUTIONS

AS

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?

When it fails to alert every individual we have sent a notification to the corporation which alerts the entire region.

J&P

9. PROBLEM ROOT CAUSE

RC

What is the real reason that this problem exists? What is the back story behind the need to do this job?

As we know sensors are very costlier .We also use more than one sensor in our projects which uses complex function and finds its difficult for people to replace.

7. BEHAVIOUR

BE

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

The customer could use the userguide provided To overcome the problem or else they can report and contact the corporation .The authorities will take care of the problem

3. TRIGGERS

TR

What triggers customers to act? i.e. seeing their neighbour installing

Certain region people started using quality river water and staying healthy which triggers all others to follow our system.

10. YOUR SOLUTION

SL

If you are working on an existing business, write down your current solution first,fill in the canvas, and check how much it fits reality.

If you are working on a new business proposition, then keep it blank until you fill inthe canvas and come up with a solution that fits within customer limitations, solves a problem and matches customer behaviour.

Our solution is to monitor the quality of the

8. CHANNELS of BEHAVIOUR

CH

ONLINE

What kind of actions do customers take online?

If it is in online mode, they can use the helpline number to contact the authorities

OFFLINE

What kind of actions do customers take offline?

<div>4. EMOTIONS: BEFORE / AFTER</div> <div>How do customers feel when they face a problem or a job and afterwards?</div> <div>First people find it harder to accept later after with the help of the user guide they feel comfortable and easy to accept.</div>	<div>EM</div> <div>river water periodically using pH and temperature sensor and intimates the people when abnormal conditions occurs.</div>	<div>If it is in offline mode, they can directly visit the corporation to inform about their issues.</div>
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