Project Design Phase-I Problem - Solution Fit Template

Date	10 November 2022
Team id	PNT2022TMID18999
Project name	Real Time River Water Quality
	Monitoring And Control System
Maximum marks	2 Marks

Problem – Solution Fit Template:

The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem. It helps entrepreneurs, marketers and corporate innovators identify behavioural patterns and recognize what would work and why Purpose:

Solve complex problems in a way that fits the state of your customers.

Succeed faster and increase your solution adoption by tapping into existing mediums and channels of behavior.

Sharpen your communication and marketing strategy with the right triggers and messaging.

Increase touch-points with your company by finding the right problem behavior fit and building trust by solving frequent annoyances, or urgent or costly problems.

fit into

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

The system is basically a real-time embeded system of WSN and raspberry pi which uses zigbee network.WSN is choosed because of its quantized connectivity makes it an dynamic dynamic architecture of connecting multiple sensors(pH sensor,Temperature sensor .etc) zigbee has high efficiency and low power consumption for networking. Together can notify messages to public accurately.

For those people who use river water as

6. CUSTOMER CONSTRAINTS

Purpose / Vision

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J&P

What constraints prevent your customers from takin of solutions? i.e. spending power, budget, no cash, n

A product is to be developed in such a way it continuously monitors the quality of water and takes values and initiatives to control river water quality. To prevent further health hazards and other infections, people need a change to consume a pure river water.

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 ons have? i.e. pen and paper is an alternative to digital notetaking

Through fast sms, an dynamic messaging system can be created to deliver acknowledgements to each and everyone accurately.if they miss or they are unnotified of the message they can always view the values stored in the mobile app handled via cloud with which they can notify others too.

2. JOBS-TO-BE-DONE / PROBLEMS

Problem-Solution fit canvas 2.0

1. CUSTOMER SEGMENT(S)

source for living.

Who is your customer? i.e. working parents of 0-5 y.o. kids

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?

The only bottle neck we have is the cost efficiency.since multiple sensor nodes involving as manual in all languages.Else customer system and product of considerable cost.lt continuously monitors river quality and replaces understanding and description of the product.lf it with perfectly built control system.

7. BEHAVIOUR

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What does your customer do to address the problem and get the job di i.e. directly related: find the right solar panel installer, calculate usage a indirectly associated: customers spend free time on volunteering work

User guide is available as blogs and comes in service is provided. In which customers can report their problem and can have a clear customer seems there is a problem with the system they can contact and can have it fixed with the authorities.