

Lean UX Canvas

Align your team on the best way to approach a problem

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Title:

River water quality monitoring and control system

Date:

Iteration:

Business Problem

What business have you identified that needs help?

If the quality of the water is not checked and maintained regularly ,most of us get affected

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It is dangerous for the creatures living in the water and for the people drinking it

Solution ideas

List product, feature, or enhancement ideas that help your target audience achieve the benefits they're seeking.

wireless sensor based monitoring system that uses short range communication network like bluetooth

Business Outcomes

(Changes in customer behavior)

What changes in customer behavior will indicate you have solved a real problem in a way that adds value to your customers?

clean water supports a diversity of plants and wildlife

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within the growing agriculture industry,it is accepted the good water quality is needed for maintaing viable aquaculture production

Users & Customers

What types of users and customers should you focus on first?

whom does the problem affects?

80% of diseases and 50% of child death are related to poor drinking water quality

User Benefits

What are the goals your users are trying to achieve? What is motivating them to seek out your solution? (e.g., do better at my job OR get a promotion)

The objective of water quality monitoring is to obtain quantitative information on the physical, chemical and biological characteristics of water via statistical sampling

Solution ideas

Combine the assumptions from 2, 3, 4 & 5 into the following template hypothesis statement: "We believe that [business outcome] will be achieved if [user] attains [benefit] with [feature]."

Each hypothesis should focus on one feature.

sensors using "smart passive sensing"

Real time display of water quality using led screens

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What's the most important thing we need to learn first?

List product, feature, or enhancement ideas that help your target audience achieve the benefits they're seeking.

properly dispose of hazardous products put up signs...

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use and dispose of harmful materials properly...

What's the least amount of work we need to do to learn the next most important thing?

Brainstorm the types of experiments you can run to learn whether your riskiest assumption is true or false.

Monitoring provides the objective evidence necessary to make sound decision on managing the water quality today and in future

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water quality monitoring is used to alert us to current ,ongoing , and emergency problems