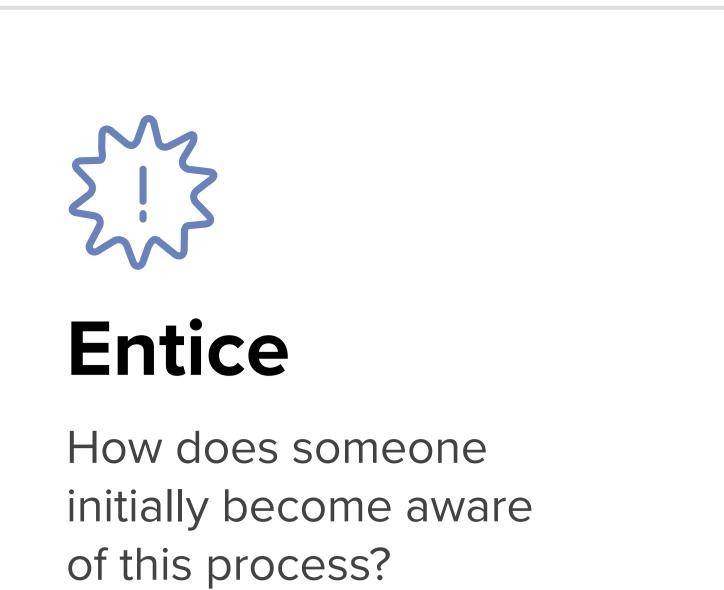
Real Time River Water Quality Monitoring and Control System Steps





Engage In the core moments in the process, what happens?



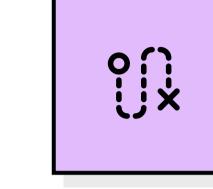
Exit

What do people typically experience as the process finishes?



Extend

What happens after the experience is over?



What does the person (or group) typically experience?

Interactions

What interactions do they have at each step along the way?

- People: Who do they see or talk to?
- Places: Where are they?
- Things: What digital touchpoints or physical objects would they use?

Awareness about quality of river water

Being ackowledged

about the current

scenario of Water

Resources

Need for Automation

Initiative to provide much purified river

Easier way of

Monitoring

Remote monitoring

of various

parameters in Rivers

What do people

experience as they

begin the process?

Simple and Easy to use

Mobile SMS

Real time status

Time Efficient

Cost Efficient

Problems

Decrease Water Reduce Health Pollution

Improved Water Quality



Mobile Apps

Flash SMS

Remote Data Access

Mobile App

Web Application

Two Way Communication Reliable Data

Wireless

Communication

Data Through Mobile

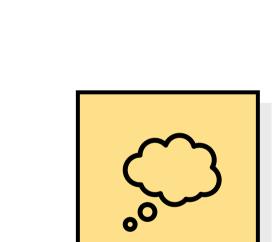
pH, Temp, Turbudity monitoring

Datas sent to authorities

Accurate

Quality water is supplied

To the local pipelines and tanks



Goals & motivations

At each step, what is a person's primary goal or motivation? ("Help me..." or "Help me avoid...") To get quality water

To decrease the water bourne diseases

To Monitor pH, Temperature

To monitor Turbudity

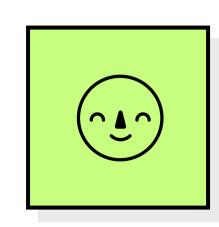
Obtain More Accurate values To monitor water quality

To get good quality water from river

To reduce water oriented diseases

To improve the quality of drinking water

To improve the living standard of man kind



Positive moments

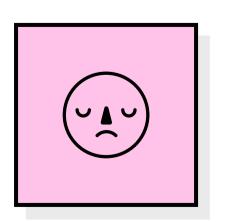
What steps does a typical person find enjoyable, productive, fun, motivating, delightful, or exciting? Regular Supply of Quality Water

The sensor works properly

Sensors works properly

Alert is send on time

The entire process works more efficiently



Negative moments

What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming?

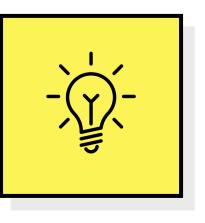
Immediate Updates on Water Quality

People assume that the process is consuming more time

Alerts maybe delayed

Assume the system may not work for a long period

The process is costly



Areas of opportunity How might we make each step

better? What ideas do we have? What have others suggested?

Speed of data updation can be increase

Can be more economical

Reusable Sensors

Solar panel can be used as power

Water flow can be controlled instantly

Alerts can also be sent to locals

Mineral contents can also be monitored