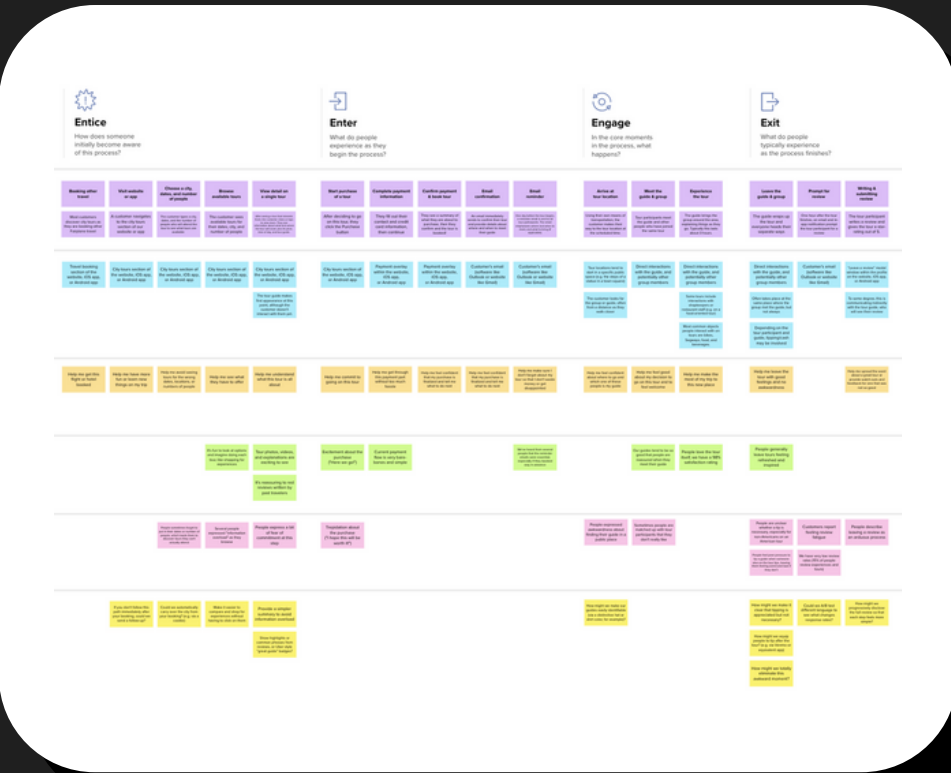


Real-Time River Water Quality Monitoring and Control System

Created in partnership with

 **Product School**

[Share template feedback](#)



Need some inspiration

See a finished version of this template to kickstart your work.

[Open example](#)




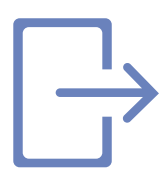

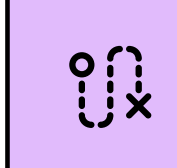


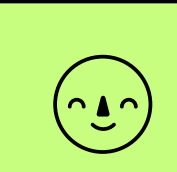
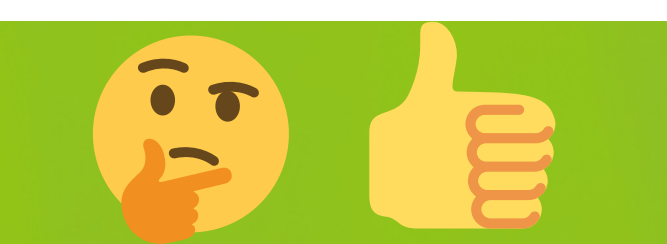





PROJECT : REAL TIME WATER QUALITY MONITORING AND CONTROL SYSTEM

TEAM ID : PNT2022TMID36156

DATE : 15 October 2022

MARKS : 4 MARKS

<div>SCENARIO</div> <div>Browsing, booking, attending, and rating a local city tour</div>	<div></div> <div>Entice</div> <div>How does someone initially become aware of this process?</div>	<div></div> <div>Enter</div> <div>What do people experience as they begin the process?</div>	<div></div> <div>Engage</div> <div>In the core moments in the process, what happens?</div>	<div></div> <div>Exit</div> <div>What do people typically experience as the process finishes?</div>	<div></div> <div>Extend</div> <div>What happens after the experience is over?</div>
<div></div> <div>Steps</div> <div>What does the person (or group) typically experience?</div>	<div>Visit the website</div> <div>Check the water Quality</div> <div>Check the water Parameters</div> <div>User Should navigate to our website</div> <div>Primarily this website will check the water Condition</div>	<div>Get the alert sound from sensors</div> <div>When the water parameters is changes,And the Users can get alert</div> <div>Alert from devices,helps to monitor water parameters</div>	<div>Ensure the Monitoring of water</div> <div>Measuring leveling of parameters</div> <div>User can view the data through the mobile about river conditions</div>	<div>Through this users can ready to use this water resource</div> <div>This data collection helpful to ensure to know the water quality</div>	<div>Mainly it will be helpful to local area people to view this data</div> <div>Farmers can use this water ,with this knowledge of this data</div>
<div></div> <div>Interactions</div> <div>What interactions do they have at each step along the way?</div> <div><div>■ People: Who do they see or talk to?</div><div>■ Places: Where are they?</div><div>■ Things: What digital touchpoints or physical objects would they use?</div></div>	<div>Create an account for this website</div> <div>Signup/sign in this website for user use</div>	<div>Data Collection shows the exact water parameter conditions</div>	<div>View the river water location through the website</div> <div>Any messages and condition view by this website message box</div>	<div>Any messages and condition view by this website message box</div> <div>Other details of the water condition can be view in this website</div>	<div>Monitoring Process of the data profile, view on the website in mobile platform</div>
<div></div> <div>Goals & motivations</div> <div>At each step, what is a person's primary goal or motivation? ("Help me..." or "Help me avoid...")</div>	<div>Sensing data information from anywhere at anytime</div> <div>Exact monitoring even in rainy climatic conditions</div> <div>Easy understanding of water condition for local area people</div>	<div>People can easily access the River Water data</div> <div>Making major source for drinking without any harmfulness to health</div> <div>To maintain a good biological diversity around area</div> <div>To prevent the areas from deterioration</div> <div>To improve the Agricultural growth around the river side rural areas</div>	<div>helpful to save the river water living creature</div> <div>To Save the life of Aquatic Creatures from any changing values of water parameter</div>	<div>If any conditional changes in the river,helps to confirm what the problems is in water</div>	<div>This Monitoring helps what could be doing next,what steps helps to improve the water condition</div>
<div></div> <div>Positive moments</div> <div>What steps does a typical person find enjoyable, productive, fun, motivating, delightful, or exciting?</div>	<div>It reduces the water contamination</div> <div>Useful to maintain correct values of oxygen level in water</div> <div>Useful to maintain correct values of oxygen level in water</div>	<div>Helps for proper usage of water resources</div>	<div>Reduce the Water impurities,due to human activities</div> <div>Usage of proper drinking water for human and other Living Creature</div>	<div>Reduce the dilution,discharge of untreated or partially treated sewage from cities</div> <div>Reduce the plastic waste disposal</div>	<div></div>
<div></div> <div>Negative moments</div> <div>What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming?</div>	<div>Poor Network Connectivity in Rural Areas</div> <div>Some,Technical issues may causes due to climatic changes like rainy period</div>	<div>Rural area people,don't have some knowledge about, how to use these technology</div>	<div>pesticides and fertilizers can be carried into water and streams by rainfall runoff</div> <div>Without proper maintaining,cause water sedimentation,abnormal ph values in water etc...</div> <div>Irregular monitoring and without proper water maintenance cause water some diseases,also relevant diseases etc...</div>	<div>Mainly industrial waste disposal in water,it will makes , not usage river water human purposes</div>	<div></div>
<div></div> <div>Areas of opportunity</div> <div>How might we make each step better? What ideas do we have? What have others suggested?</div>	<div>Make easier technology for rural people and local area people</div> <div>Useful to improve the Quality of Water</div>	<div>By using these technology,make literate about water monitoring</div> <div>Knowledge about this technology among people,useful to reduce the water impurities</div>	<div>This technology helps to control Health relevant problems of drinking river water</div> <div>This technology helps for Local area people can use for their daily personalized work</div> <div>Helps, to reduce eutropication,crease the level of oxygen rate in water</div>	<div>This technology,Aware the people use of non-toxic products,avid to depore the toxic products in river water</div> <div>This techniqes,helps to aware the people,industries handling people,eliminate the use of lead materials</div>	<div>The Level of water can be analysed easily to prevent surrounding area from flood,soil erosion etc...</div> <div>people can implement various water harvesting techniques,by using this technology</div> <div>use to maintain a correct level of nitrate and phosphate rate in river water</div>