












Real-Time River Water Quality Monitoring and Control System

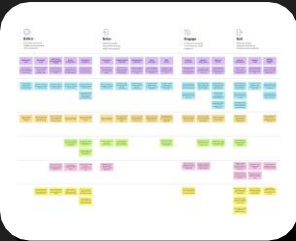
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PROJECT : REAL TIME WATER QUALITY MONITORING AND CONTROL SYSTEM
TEAM ID : PNT2022TMID43379
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MARKS : 4 MARKS

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|---|---|--|--|--|---|
| <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 details</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>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,dont 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 manuring causes water contamination,cause water borne diseases,an relevant diseases etc...</div> <div>Irregular monitoring and without proper water manuring,cause water borne diseases,an relevant diseases etc...</div> | <div>Mainly industrial waste disposal in water,it will makes , not usage river water human purposes</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 personalised work</div> <div>Helps,to reduce eutropication,increase the level of oxygen rate in water</div> | <div>This technology,Aware the people use of non-toxic products,avoid to dispose the toxic products in river water</div> <div>This techniqun,helps to aware the people,industries handling people eliminate the use of toxic materials</div> | <div>The Level of water can be analysed ready to prevent surrounding area from flood,silt erosion etc...</div> <div>people can implement serious water harvesting techniques,by using this technology</div> <div>use to maintain a correct level of nitrate and phosphate rate in river water</div> |



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