












# Real-Time River Water Quality Monitoring and Control System

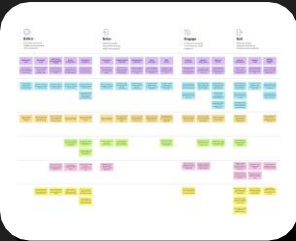
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PROJECT : REAL TIME WATER QUALITY MONITORING AND CONTROL SYSTEM  
TEAM ID : PNT2022TMID03570  
DATE : 12 october  
2022  
MARKS : 4 MARKS

SCENARIO Browsing, booking, attending, and rating a local city tour	Entice  How does someone initially become aware of this process?	Enter  What do people experience as they begin the process?	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?
 <b>Steps</b> What does the person (or group) typically experience?	<div>Visit the website</div> <div>User Should navigate to our website</div> <div>Check the water Quality</div> <div>Primarily this website will check the water Condition</div> <div>Check the water Parameters</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 levelling 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>
 <b>Interactions</b> What interactions do they have at each step along the way? <ul style="list-style-type: none"><li>People: Who do they see or talk to?</li><li>Places: Where are they?</li><li>Things: What digital touchpoints or physical objects would they use?</li></ul>	<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>
 <b>Goals &amp; motivations</b> At each step, what is a person's primary goal or motivation? ("Help me..." or "Help me avoid...")	<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 value 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>
 <b>Positive moments</b> What steps does a typical person find enjoyable, productive, fun, motivating, delightful, or exciting?	<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>	
 <b>Negative moments</b> What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming?	<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 knowlegde 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 causes water pollution,disposal etc...</div> <div>Irregular monitoring and without proper water management causes some relevant diseases etc...</div>	<div>Mainly industrial waste disposal in water,it will makes , not usage river water human purposes</div>	
 <b>Areas of opportunity</b> How might we make each step better? What ideas do we have? What have others suggested?	<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 eutrophication,increase the level of oxygen rate in water</div>	<div>This technology aware the people use of non-toxic products in river water</div> <div>This techniqen,helps to aware the people industries handling waste,eliminate the use of lead materials</div>	<div>The Level of water can be analysed easily,to prevent various water harvesting correct level of nitrate surrounding area from flood,soil erosion etc...</div> <div>people can implement various water harvesting techniques,by using thn and phosphate rate in technology</div> <div>use to maintain a river water</div>



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