

Real-Time River Water Quality Monitoring and Control System

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID06453 |

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

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**Template**



[**Open example**](https://app.mural.co/template/f59f644b-b4b4-47b5-9ed6-3a8c71ceb612/896b31fe-5597-40ef-9b06-3811a1a45ace)