

Customer Journey

by the Design Team of Accurate Interactive NL



TEAM ID: PNTTMD09598
PROJECT: Real-Time River Water Quality Monitoring And Control System

Creating a user journey is a quick way to help you and your team gain a deeper understanding of who you're designing for, aka the stakeholder in your project. The information you add here should be representative of the observations and research you've done about your users.

| Phases | Analysing the river water | Finding the pH level of water | Separation of pure water and dirty water | Recycling of dirty water for agricultural use |
|---------------|---|--|--|--|
| Steps | <div>Whether the river water is dirty or not</div> <div>Check the surroundings of river water</div> <div>Also find whether the industrial waste are mixing into river water</div> | <div>Check whether the pH is between 6.5 and 6.5</div> <div>If the pH level is normal we can use it for drinking purpose</div> <div>So finding the drinking level of pH</div> | <div>Using pure water finding machine</div> <div>Normally prepares identify the pure water by observing the upper layer, thickness and colour of water</div> <div>Usage of water purifier to separate pure water and dirty water</div> | <div>Collect the dirty water and send the water to the recycling factory</div> <div>Using chemical components for recycling process</div> <div>Finally recycled water is sent to farmers for agricultural purpose</div> |
| Feelings | <div><div>👍</div><div>If the river water quality is in correct level, ground water level will increase.</div><div>Animals and birds are drinking river water.</div><div>The river water is essential for human beings.</div></div> <div><div>👎</div><div>If the river water quality is not good, then the ground water will get decrease.</div><div>If the river water is polluted then animals and birds cannot able to drink water.</div><div>Polluted water is not essential for human beings.</div></div> | <div><div>If the pH level of river water is matches to the PH level of pure water, they feel good</div><div>They feel more secure about their environment</div><div>They feel comfortable after drinking pure water daily</div></div> <div><div>Polluted water is not essential for human beings.</div><div>People may feel that environment is not clean due to river water is polluted.</div><div>They use river water daily and also they are feeling that the river water is not good.</div></div> | <div><div>Supplying some amount of water for commercial uses.</div><div>They feel happy about drinking pure water</div><div>They might feel secure without worrying about effects or some other problems caused by river water.</div></div> <div><div>They also worried about the diseases caused due to the polluted river water.</div><div>People need the healthy fishes from river water for selling.</div><div>They also worried about the living organism.</div></div> | <div><div>The recycling water can also be used for some other purposes.</div><div>Also used for same purpose in industrial purpose.</div><div>In manufacturing company they can also use this recycled water</div></div> <div><div>Costal people are the major affected people by river water pollution.</div><div>Recycling water is sufficient for industrial purpose.</div><div>Is the pure water is available for every day.</div></div> |
| Pain points | <div>Chemical waste products from industrial processes are discharge into river.</div> <div>Thetting of sand from river side may cause the river to dry fast.</div> <div>Pollution may occur due to acid rain.</div> | <div>Because of throwing dusts it will create some mess smell.</div> <div>Water pollution may cause diseases.</div> <div>It will affect the Eco system.</div> | <div>This water is harmful for drinking.</div> <div>This causes harm to the organisms living in the river water</div> <div>Also increasing river water temperature affects the living organisms.</div> | <div>Sewage and waste water are mixing into the river water</div> <div>Don't throw any solid waste into the water stream as it clog the flow of water thereby leading to pollution</div> <div>Climate change will affect river water</div> |
| Opportunities | <div>We use the detector to easily identify our device</div> <div>Using drone for everytime monitoring</div> <div>Our device is miniature compared to other devices</div> | <div>We include sensor for detecting PH level of water.</div> <div>Used solar panel for energy</div> <div>We insert high quality battery</div> | <div>Water proof device is used for ensuring safety.</div> <div>By using this device we can also control the PH level of the water.</div> <div>Any time and any where can find the device.</div> | <div>We can give the guarantee about pure water in case of detecting PH level of river water.</div> <div>Control the water quality using this device</div> <div>Life time of the device is more</div> |

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