



Project Design Phase-II

Customer- Journey Map

Date	08 October 2022
Team ID	PNT2022TMID49552
Project Name	Real -Time River Water Quality Monitoring And Control System
Maximum Marks	4 Marks

1 Phases	Analyzing the river water		Finding the pH level of the water		Separation of pure water and dirty water		Recycling of dirty water into agriculture use					
2 Steps Validates your water from its source	Whether the riverwater is dirty or not.	check the surrounding of river water.	Also finding whether industrial waste are mixing into the river.	Check whether the PH is falling between 6.5 to 8.5	So finding the drinking level of PH.	If the pH level is normal we can use for drinking purpose.	Normal purples are identify the pure water by depend upon the upper layer, children's color of the water	By using the pure water finding machine	Usage of purifiers to separate drinking water and dirty water	collect all the dirty water and send the water to the recycling factory	Using chemical components for recycling process.	Finally recycled water send to the farmers
3 Feelings What your water might for drinking and looking at the natural	 If the river water quantity is in correct level ground water level will increase	Animals and birds are drinking river water.	The river water is essential for human beings	If the PH level of river water is match to the pH level of pure water they feel good.	They feel more secure about their environment	They feel comfortable after drinking pure water daily.	Supplying some amount of water for commercial uses.	They might feel secure without worrying about infection or some other water caused by river water.	They feel happy about drinking pure water.	The recycling water can also be used for some other industrial purpose	Also used by industrial purpose	In manufacturing companies they can also use this recycled water.
 If the river water quantity is not correct then the ground water will decrease	If the river water is polluted animals and birds are not able to drink water	Polluted water is not essential to the human beings	People they don't know about the pH value of the river water for drinking.	People may feel that environment is not clean due to river water is polluted.	They may feel river water daily usage feel also they are feeling that the river water is not good	They also worried about the diseases caused due to the polluted river water.	They also worried about the living organism	People need the healthy fishes from river water for selling	Coastal people are majorly affected by industrial polluted	recycling water is sufficient for industrial purpose.	Is the pure water is available for every day	
4 Pain points Problems your water face into	chemical water product from industrial processes are discharge into river.	Thefting of sand from river side may causes the river to dry fast	Pollution may occur by Acid rain.	Because of throwing desalinated it will create some mess smell	Water pollution may causes diseases	It will affects the drinking system	This water is harmful for drinking	There might cause problem to living organism in their water.	Also increasing the river water temperature it will affect living organism	Sewage and wastewater also mixing into their water	Don't throw any solid waste into the water stream it will pollute the water there by it will affect the pollution	Climate change will affect the river water
5 Opportunities Potential improvements or enhancements to the experience	We use the detector so easily identify our device	Using Drone For everytime monitoring	Our device is miniature compare to other device	We include sensor for detecting PH level of water	Used solar panel for Energy	We insert high quality battery	Water proof device is used for ensuring safety	By using this device we can also control the PH level of the water	Any time and any where can find the device	We can give the water detector and sensor of detecting the level of river water	Control the water quality throw using this device	Life time of the device is more