

PROBLEM & SOLUTION FIT

Date	28 September 2022
Team ID	PNT2022TMID47455
Project Name	Real-Time River Water Quality Monitoring And Control System
Maximum Marks	2 Marks

Problem-Solution Fit canvas

Purpose / Vision

Version:

Define CS, fit into CL	1. CUSTOMER SEGMENT(S) CS People who are going to monitor and control the polluted river water. The users are common people especially farmers, government authorities.	6. CUSTOMER LIMITATIONS <small>EG. BUDGET, DEVICES</small> CL Lack of knowledge about the polluted level of water. Consuming them without knowing about the future causes.	5. AVAILABLE SOLUTIONS <small>PROS & CONS</small> AS Monitoring the ph, temperature, turbidity of the river water and sending the alert message when it cross the actual value.	Explore AS, differentiate
	2. PROBLEMS / PAINS <small>+ ITS FREQUENCY</small> PR In today's world, water pollution is the major problem. It is essential to monitor and control them. Most of the living beings are consuming the polluted water in today's world. Hence the immediate solution is needed to control it.	9. PROBLEM ROOT / CAUSE RC If ph, temperature, and turbidity level varies, makes the serious cause for the environment. Children are infected by many primary diseases which will affect them in future at major level	7. BEHAVIOR <small>+ ITS INTENSITY</small> BE People may filter or heat the polluted water to reduce its polluted level in smaller percentage. People used to complaint to the government authorities to clean the polluted water. Some people may buy water for their commercial use by paying money. Some times people itself try to clean and aware themselves to make the water pollution free.	
Identify strong TR & EM	3. TRIGGERS TO ACT TR Water is the essential thing for each and every living beings in their day-to-day life. Especially, farmers are very much dependent on water for agriculture. So, the clean water is needed for everyone survival in the world.	10. YOUR SOLUTION SL The "River Water Quality Monitoring And Control System" that records all the parameter like ph, temperature and turbidity of water and send through the app. The instant alert message is also sent to the authorities to clean the water and this will help to create a pollution free environment	8. CHANNELS of BEHAVIOR CH <div style="border: 1px solid #ccc; padding: 2px;"> ONLINE The data is send through the application for the user to know about the polluted level </div> <div style="border: 1px solid #ccc; padding: 2px;"> OFFLINE The control action is taken by the officials to make the water pollution free. </div>	Extract online & offline CH or BE
	4. EMOTIONS <small>BEFORE / AFTER</small> EM Before: People are infected by various diseases due to the consumption of polluted water. After: The healthy life is possible by monitoring and controlling the pollution in river water.			

Problem-Solution Fit canvas is licensed under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License. Designed by Daria Nepriakhina / IdeaHackers.nl - we tailor ideas to customer behaviour and increase solution adoption probability.

IdeaHackers .NL

