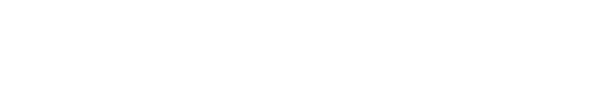
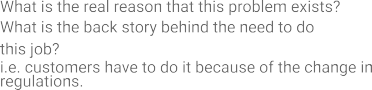
**Project Title: Real-Time River Water Monitoring and Control System**



**Team ID:** PNT2022TMID11765



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| --- | --- | --- | --- | --- |
|  | Locality people living near river side and river water users. | Lack of awareness,cost,difficulty in implementation and understanding. | Manually collecting the water sample for testing the parameters like pH,turbidity,oxygen content etc and evaluating the results. |  |



# Discharge of chemical and solid wastes into

Monitoring the parameters like pH, temperature of water and alerting the users at the time of abnormal change in parameter's value.

the river water contaminates the water as well as creates threat to the life existing in the water.

# Consumption of this contaminated water puts the human's health at risk.

**3. TRIGGERS TR 10. YOUR SOLUTION SL 8. CHANNELS of BEHAVIOUR CH**

What triggers customers to act? i.e. seeing their neighbour installingsolar If you are working on an existing business, write down your current solution ﬁrst,ﬁll in **8.1 ONLINE**

panels, reading about a more efﬁcient solution in the news. the canvas, and check how much it ﬁts reality. What kind of actions do customers take online? Extract online channels from #7

If you are working on a new business proposition, then keep it blank until you ﬁll inthe

The users either can directly install the system and monitor the river water individually or can get the help from service centre.

xxxxxx

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | c a | anvas and come up with a solution that ﬁts within customer limitations, solves a problem nd matches customer behaviour. |  | **8.2 OFFLINE**  What kind of actions do customers take ofﬂine? Extract ofﬂine channels from #7and use them for customer development. |  |  |  |
|  |  |  |
| **4. E**Necessity of clean and healthy water. **EM**  Ho  i.e. lost, insecure > conﬁdent, in control - use it in your communication strategy & design. |  | The IoT-based river water quality monitoring device continuously checks the pH, temperature, and oxygen content of the water. It monitors the water for trash and eliminates it by collecting each type  of waste separately in a container. |  | Online: Tracking the parameters of water  Offline: Installation and maintenance of the system by removing the wastes collected. |  |

The consumer may initially find it difficult to operate, but later the user easily get adopted with the process.

**MOTIONS: BEFORE / AFTER**

w do customers feel when they face a problem or a job and afterwards?

