

**Project Design Phase-I**  
**Proposed Solution Template**

Date	24 September 2022
Team ID	PNT2022TMID00036
Project Name	Project - RealTime River Water Quality monitoring and Control system
Maximum Marks	2 Marks

**Proposed Solution Template:**

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1.	<b>Problem Statement (Problem to be solved)</b>	<p>Some of the time the water has perilous particles or compound blended and broadly useful water purifier can't refine that. Furthermore, checking the nature of water physically in each time is unthinkable. So a programmed ongoing checking framework is expected to screen the strength of the water held in our water tank of the general public or loft. So it can caution us consequently assuming that there is any issue with the saved water. What's more, we can check the nature of the water whenever and</p> <p>from anyplace. By keeping this psyche we planned this framework</p> <p>particularly for local locations.</p>
2.	<b>Idea / Solution description</b>	<p>The main idea is to enable users to track and better suggest the expense of the users so that they will be aware of their river water quality system to better plan their future monitoring control of water. This system is intended to collect and process information, thus making decision in real time via a remote web server.</p>

3.	<b>Novelty / Uniqueness</b>	<p>Detailed analyses of what and how the user spends, and all the monitoring activities are tracked and accordingly adjusted. The weekly, monthly and year-wise comparison of control system will be monitor and will let the user know the area where and how much is stored by river water. When you track your system, you are taking control of your realtime river water. It lets you regulate spending impulses and eliminate worthless spending, thereby avoiding excess storage of river water. At every point, you will be aware about how much storage of river water you are left with.</p>
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4.	<b>Social Impact / Customer Satisfaction</b>	<p>It can help you to</p> <ul style="list-style-type: none"> <li>* collect data</li> <li>* Investigation of Stringent mechanisms</li> <li>*Monitoring the industry</li> <li>*Maintaining the Eco System</li> </ul>
5.	<b>Business Model (Revenue Model)</b>	<p>Through our application the revenue for the company will be in the form of ads. Makes the user know about what are all the good things and trending ways to store and monitor the river water in real time use.</p>
6.	<b>Scalability of the Solution</b>	<p>The system can handle a large number of users since it is based on the IOT system. It is very easy to store and retrieve data from the cloud rather than getting it from a database.</p>