

Project Design Phase-I
Proposed Solution Template

Date	20 October 2022
Team ID	PNT2022TMID10251
Project Name	Project - Real-Time River Water Quality Monitoring And Control
Maximum Marks	2 Marks

Proposed Solution Template:

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Often people and other living organisms are suffered due to unavailability of pure usable water. Due to this health hazards and other infections are spreaded among people. In order to secure them it is necessary to develop a system to handle the quality of water. This can also help the people to have an idea on drinkable water.
2.	Idea / Solution description	<ul style="list-style-type: none">• So, to start this, we just need to know or have an idea on the chemical composition of water or simply the nature of water• Based on timely taken analysis we can find the nature of water .• Use a random location on taking the amount of chemicals and impurities present in water.
3.	Novelty / Uniqueness	Low investment and maintainace cost , This system developed is useful and creates an ease of pure water consumption for natives as well as other beings.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none">• This helps the people to save time and energy as they can get pure river water with ease.• Building an effective system that can be create as a product for best water quality and control system.
5.	Business Model (Revenue Model)	Many other parts of the world and rural parts of the village are expecting this technology that can greatly facilitate the river water quality management system.
6.	Scalability of the Solution	The process of operating is easy and it can designed according to customer needs.