

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

Date	19 September 2022
Team ID	PNT2022TMID11003
Project Name	Project - Real Time River water Quality Monitoring And Control System
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)	To monitor the water parameters such as turbidity,pH,dissolved solvents and to analyse the quality of river water.
2.	Idea / Solution description	Monitoring water parameters with sensors and control measures by ultrasonic frequencies.
3.	Novelty / Uniqueness	Arduino and Sensors based water parameters monitoring which identifies biological and chemical change in water.
4.	Social Impact / Customer Satisfaction	It provides the user with an idea about the quality of river water which might help them to base the usage of the water according to its quality.
5.	Business Model (Revenue Model)	The monitoring system could be sold in the market for the purpose of testing water quality.
6.	Scalability of the Solution	The model could be scaled according to size of the water body about to be tested.