

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

Date	01 October 2022
Team ID	PNT2022TMID08711
Project Name	<b>PROJECT – REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM</b>
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, Conductivity, salinity, pH, dissolved solvents and to analyse the quality of River Water.
	Idea / Solution description	Monitoring water parameter like Sensors and Control measures by ultrasonic frequencies.
2.	Novelty / Uniqueness	<b>TOC</b> Sensor based water parameters monitoring which identifies biological and chemical changes in water.
3.	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.
4.	Business Model (Revenue Model)	The monitoring system could be sold in the market for the purpose of testing water quality.
5.	Scalability of the Solution	The model could be scaled according to size of the water body about to be tested.