Project Design Phase-I
Proposed Solution Template

Date	30 September 2022
Team ID	PNT2022TMID11075
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
•	Problem Statement (Problem to be solved)	To monitor the water parameters such as turbidity ,pH, dissolved solvents and To Control the Algal bloom
•	Idea / Solution description	Monitoring water parameters with sensors and control measures by ultrasonic frequencies
•	Novelty / Uniqueness	They exclusively use the Raspberry Pi in 2019, however we utilise Arduino, which requires less power and fewer code. Water Parameters Based on Sensors Identification of biological and chemical changes in water by monitoring
•	Social Impact / Customer Satisfaction	It gives the consumer knowledge about the river water quality that could aid them in the water usage should be based on its Rural residents can utilise this product because of its high quality. It uses a very small amount of power.
•	Business Model (Revenue Model)	The monitoring system could be sold in the market for the purpose of testing water quality.
•	Scalability of the Solution	The model could be scaled according to size of the water body about to be tested