

Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID46761
Project Name	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)	In Delta regions, the river water is the major source and backbone for farmers for cultivating crops and drinking water supply for the localities. But it is polluted by fertilizers, pesticides, chemicals and also by some biological activities. It directly affects people's health and aquarium lifestyle. So, the quality of water needs to be monitored.
2.	Idea / Solution description	Monitoring the quality of river water/water bodies using sensors and arduino for domestic and agriculture purposes.
3.	Novelty / Uniqueness	Measured pH and temperature can be monitored by using mobile app
4.	Social Impact / Customer Satisfaction	People come to know about the quality of water
5.	Business Model (Revenue Model)	Water Monitoring and Control Model
6.	Scalability of the Solution	The process of operating this Model is user friendly and more suitable for domestic and agricultural purposes