

Project Design Phase-I
Proposed Solution Template

Date	16 october 2022
Team ID	PNT2022TMID21670
Project Name	Real-Time River Water Quality Monitoring and Control System
Team members	S.Nandini, B.Pradeepa Illakkiya, P.Prasanna, K.Naveen Kumar

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)	Massive growth of algae called eutrophication leads to pollution (monitoring and controlling the quality of river water).
2.	Idea / Solution description	Monitoring water parameters by using Arduino and Sensors and control measures by ultrasonic frequency.
3.	Novelty / Uniqueness	River water quality can be monitored by web application. Quality parameter will track continuously with standard measurements.
4.	Social Impact / Customer Satisfaction	People come to know about the quality of water.
5.	Business Model (Revenue Model)	Water quality monitoring system by aeron systems for industrial water treatment plant, river bodies, digital loggers.
6.	Scalability of the Solution	The process of operating this Model is very easy.