

## Project Design Phase-I Proposed Solution Template

<b>Date</b>	05-11-2022
<b>Team ID</b>	PNT2022TMID25961
<b>Project Name</b>	Real Time River Water Quality Monitoring and Control System

### Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

<b>S.No.</b>	<b>Parameter</b>	<b>Description</b>
1.	<b>Problem Statement (Problem to be solved)</b>	Massive growth of algae called eutrophication leads to pollution. To Control the Algal bloom and monitor the water parameters such as ph, turbidity and dissolved solvents.
2.	<b>Idea / Solution description</b>	Detecting the dust particles, PH level of water, Dissolved oxygen and temperature to be monitored and altering the authorities if water quality is not good.
3.	<b>Novelty / Uniqueness</b>	River water quality can be monitored by web application. Quality parameter will track continuously with standard measurements.
4.	<b>Social Impact / Customer Satisfaction</b>	Localities will not get suffered by poor quality of water by alerting them when the water quality is not good.

5.	<b>Business Model (Revenue Model)</b>	Water quality monitoring system by Aeron systems for industrial water treatment plant, river bodies. Aqua forming digital loggers.
6.	<b>Scalability of the Solution</b>	Measuring of real time values and continuous monitoring helps in maintaining the quality of water.