

Project Design Phase-I
Proposed Solution Template

Date	18 October 2022
Team ID	PNT2022TMID18190
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)	Eutrophication, or the massive development of algae, causes pollution (monitoring and managing the quality of river water).
2.	Idea / Solution description	Detecting dust particles, monitoring water PH, dissolved oxygen, and temperature, and changing authorities if water quality is poor.
3.	Novelty / Uniqueness	A web application may be used to monitor the quality of river water. The quality parameter will be tracked in real time with standard measurements.
4.	Social Impact / Customer Satisfaction	Localities will not suffer as a result of poor water quality since they will be notified when the water quality is not good.
5.	Business Model (Revenue Model)	Aeron systems provides water quality monitoring systems for industrial water treatment plants, river bodies, aqua forming, and digital recorders.
6.	Scalability of the Solution	The assessment of real-time readings and continual monitoring helps in the preservation of water quality.