

Project Design Phase-I
Proposed Solution Template

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| Date | 17 October 2022 |
| Team ID | PNT2022TMID20106 |
| 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) | Massive growth of algae called eutrophication leads to pollution. (Monitoring and controlling the quality of river water) |
| 2. | Idea / Solution description | 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. | Novelty / Uniqueness | River water quality can be monitored by web application. Quality parameter will track continuously with standard measurements. |
| 4. | Social Impact / Customer Satisfaction | Localities will not get suffered by poor quality of water by alerting them when the water quality is not good. |
| 5. | Business Model (Revenue Model) | Water quality monitoring system by Aeron systems for industrial water treatment plant, river bodies, aqua forming ,digital loggers. |
| 6. | Scalability of the Solution | Measuring of real time values and continuous monitoring helps in maintaining the quality of water. |