**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 26 October 2022 |
| Team ID | PNT2022TMID4381 |
| 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.

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | Eutrophication ,massive development of algae, causes pollution (monitoring and managing the water quality in the river) . |
|  | Idea / Solution description | Detecting the dust particles, monitoring the level of water PH, dissolved oxygen ,temperature ,turbidity and informing the authority about the condition of water . |
|  | Novelty / Uniqueness | A web application may be used to monitor the quality of water .The quality of water is tracked in real time with standard measurements . |
|  | Social Impact / Customer Satisfaction | Localities will not suffer if the quality is not good because the authorities are informed priorly. |
|  | Business Model (Revenue Model) | Aeron system provide water quality monitoring system for industrial water treatment plants ,river bodies, aqua forming and digital records . |
|  | Scalability of the Solution | The assessment about real time readings and continual monitoring helps in preventing the condition of water . |