**Project Design Phase-I**

**Proposed Solution Template**

| Date | 19 September 2022 |
| --- | --- |
| Team ID | PNT2022TMID50829 |
| Project Name | Project - 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** |
| --- | --- | --- |
|  | Problem Statement (Problem to be solved) | Real time river water quality monitoring system which can be applied in remote rivers, lakes, coastal areas and other water bodies is presented |
|  | Idea / Solution description | Collecting water samples for Laboratory analysis or by using probes which can record data at a single point in time . |
|  | Novelty / Uniqueness | analyse data continually and instantly alert users to changes in the system, giving peace of mind and reducing the need for unreliable and expensive sampling. |
|  | Social Impact / Customer Satisfaction | River pollution can impact all living beings.better Monitoring & control measures can impact vegatation, health. |
|  | Business Model (Revenue Model) | Sell the sensors & monitoring Systems as a services |
|  | Scalability of the Solution | The prototype of real time sense water monitoring integrates may sensor such as turbidity sensor and quite unique. |