**Project Design Phase-I**

**Proposed Solution**

| **Date** | 26 September 2022 |
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| **Team ID** | PNT2022TMID10102 |
| **Project Name** | Real-time River Water Quality Monitoring System |
| **Maximum Marks** | 2 Marks |

**Proposed Solution:**

| **S.No.** | **Parameter** | **Description** |
| --- | --- | --- |
| 1. | Proposed Statement (Problem to be solved) | To detect the paper proposes of sensor-based water quality monitoring system. |
| 2. | Idea / Solution Description | To protect, restore, and enhance environmental quality towards good public health, environmental integrity, and economic viability. |
| 3. | Novelty / Uniqueness | The **uniqueness** of our proposed paper is to obtain the **water monitoring system** with high frequency, high mobility, and low powered. |
| 4. | Social Impact / Customer Satisfaction | it will monitor the ph level of water |
| 5. | Business Model (Revenue Model) | Monitors water quality on a near real-time basis with data available from 30 day graphs. |
| 6. | Scalability of the solution | The system consists of several sensors which is used to measure physical and chemical parameters of the water. The main components of Wireless Sensor Network (WSN) include a microcontroller for processing the system, |