**Project Design Phase-I**

**Proposed Solution Template**

|  |  |
| --- | --- |
| Date | 11 October 2022 |
| Team ID | PNT2022TMID37736 |
| 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)** | |  | | --- | | To Control the Algal bloom and monitor the water parameters such as ph, turbidity and dissolved solvents. |  |  | | --- | |  | |
|  | **Idea / Solution description** | |  | | --- | | Monitoring water parameters by using Arduino and Sensors and control measures by ultrasonic frequency. | |
|  | **Novelty / Uniqueness** | |  | | --- | | Controlling Algal Blooms using Ultrasonic frequencies | |
|  | **Social Impact / Customer Satisfaction** | |  | | --- | | People come to know about the quality of water. | |
|  | **Business Model (Revenue Model)** | |  | | --- | | Water Monitoring and Control Model. | |
|  | **Scalability of the Solution** | |  | | --- | | The process of operating this Model is very easy. | |