**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 2 November 2022 |
| Team ID | PNT2022TMID31045 |
| 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) | 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) | Quality drinking water can be sold for commercial purpose. |
|  | Scalability of the Solution | By using MPC Buoy software we can control the difficulties faced by algal bloom |