**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 01 October 2022 |
| Team ID | PNT2022TMID11080 |
| 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.

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| **S.NO** | **PARAMETER** | **DESCRIPTION** |
|  | Problem Statement (Problem to be solved) | To Monitor the water parameters such as Turbidity, Conductivity, salinity, pH, dissolved solvents and to analyse the quality of River Water. |
|  | Idea / Solution description | Monitoring water parameter like Sensors and Control measures by ultrasonic frequencies. |
|  | Novelty / Uniqueness | **TOC** Sensor based water parameters monitoring which identifies biological and chemical changes in water. |
|  | Social Impact / Customer Satisfaction | It provides the user with an idea about the quality of river water which might help them to base the usage of the water according to its quality. |
|  | Business Model (Revenue Model) | The monitoring system could be sold in the market for the purpose of testing water quality. |
|  | Scalability of the Solution | The model could be scaled according to size of the water body about to be tested. |