**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 08 November 2022 |
| Team ID | PNT2022TMID27531 |
| Project Name | Real-Time River Water Quality Monitoring & 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 quality of water used by people for their domestic & daily use |
|  | Idea / Solution description | To monitor the pH levels and temperature of water and altering the authorities about the quality of water. The authorities will announce the localities not to drink that water, if the water quality is not good. |
|  | Novelty / Uniqueness | * Monitoring and analysing the quality of water, based on temperature and pH values. * Informing the authorities and public if the water quality is poor. |
|  | Social Impact / Customer Satisfaction | Water is an essential resource for everyone. And it is important for people to consume & utilize water which is in good quality. By assuring this, we contribute in reducing the risk of spreading water borne diseases. |
|  | Business Model (Revenue Model) | A cost effective IOT business model with a web application |
|  | Scalability of the Solution | Our model has the capability of identifying and processing data collected from rivers & lakes that are polluted and contaminated by the industries |