Project Design Phase-I Proposed Solution Template

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| Date | 24 September 2022 |
| Team ID | PNT2022TMID06917 |
| Project Name | Real Time River water quality monitoring and  Control System |

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | Most of the water is affected by the industrial wastes and by washing vehicles the engine oil is  mix with the river water |
| 2. | Idea / Solution description | Dispose the toxic chemicals and medical waste properly. By finding the pH level we can check  the water quality(using smart sensor). |
| 3. | Novelty / Uniqueness | Instead of using battery we are going to use the solar light for the setup as well as detector and  wireless sensor are also used. |
| 4. | Social Impact / Customer Satisfaction | \*Everyday peoples and animals will drink only the pure water.  \*Good environment surrounding the river.  \*The good quality river water is mainly used for  farmers. |
| 5. | Business Model (Revenue Model) | After finding the pH value, recycle the water for selling |
| 6. | Scalability of the Solution | The device can use in all kind of river. Major efficiency of device: Easily identify the device  because it has a detector |