**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 6 may 2023 |
| Team ID | PBL-NT-GP-5215-1680777299 |
| Project Name | Smart billing system for water suppliers |

**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) | As groundwater is pumped from water wells, there usually is a localized drop in the water table around the well called a cone of depression. |
|  | Idea / Solution description | Provide home water-treatment capability through the use of filters, solar disinfection, or flocculants, to make drinking water safe. |
|  | Novelty / Uniqueness | Water services, both community water supply and sanitation, present several special characteristics compared to other commodities. This paper first discusses water as a basic need and a human right, an economic good, a public good, a non-substitutable good and a local  resource. |
|  | Social Impact / Customer Satisfaction | The impacts of water scarcity affect families and their communities. Without clean, easily accessible water, they can become locked in poverty for generations. Children drop out of school and parents struggle to make a living. |
|  | Business Model (Revenue Model) | The term business model refers to a company's plan for making a profit. It identifies the products or services the business plans to sell, its identified target market, and any anticipated expenses. |
|  | Scalability of the Solution | There is no more important an engineering job than putting in place a dependable water supply. Whether it is required for urban development, government buildings, hospitals, or other destinations, we have the capability to integrate water supply infrastructure into any environment. |