**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

| Date | 06 May 2023 |
| --- | --- |
| Team ID | PBL-NT-GP-5215-1680777299 |
| Project Name | Smart billing system for water suppliers |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| --- | --- | --- |
| FR-1 | User Registration | Registration through Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 |  |  |
| FR-4 |  |  |
|  |  |  |
|  |  |  |

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

| **FR No.** | **Non-Functional Requirement** | **Description** |
| --- | --- | --- |
| NFR-1 | **Usability** | bankers get registered and a card is issued for the users which can be used for payments. They can also top-up their card through the mobile application. |
| NFR-2 | **Security** | allows you to charge your purchases on iTunes and the App Store to your prepaid airtime load or your postpaid bills |
| NFR-3 | **Reliability** | Utilities (water, electricity and gas) are essential services that play a vital role in economic and social development. |
| NFR-4 | **Performance** | the efficiency and effectiveness of the water utilities with regard to specific aspects of the utility's activity and of the system's behavior. |
| NFR-5 | **Availability** | Improved water supply and sanitation, and better management of water resources, can boost countries' economic growth and can contribute greatly to poverty reduction. |
| NFR-6 | **Scalability** | Scaling occurs when water has high levels of minerals like calcium carbonate, which can build-up on surfaces. |