

**Project Design Phase-II**  
**Solution Requirements (Functional & Non-functional)**

Date	18 May 2023
Team ID	NM2023TMID12378
Project Name	Smart Billing System For Water Suppliers

**Functional Requirements:**

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	User Login	Login through Mobile Phone Login through Email
FR-4	User Dashboard	Dashboard through Email Dashboard through LinkedIn
FR-5	User Customer service	Customer service through Mobile Number Customer service through email

**Non-functional Requirements:**

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	The system should be user-friendly and intuitive, allowing water suppliers to easily navigate and perform billing tasks. It should provide clear and understandable reports and statements for both the suppliers and their customers.
NFR-2	<b>Security</b>	The system should have robust security measures in place to protect customer data, financial information, and transaction details. It should comply with industry standards and regulations for data protection.
NFR-3	<b>Reliability</b>	The system should be reliable and available for use at all times. It should have minimal downtime and be able to recover quickly from any failures or disruptions.
NFR-4	<b>Performance</b>	The system should be able to handle a large volume of data and process billing transactions efficiently and in a timely manner.
NFR-5	<b>Availability</b>	The system should be able to integrate with other relevant systems and technologies, such as metering systems, customer relationship management (CRM) systems, and financial systems. It should facilitate data exchange and interoperability.
NFR-6	<b>Scalability</b>	The system should be able to scale and accommodate the growth in the number of customers and the amount of data over time. It should be able to handle increased workloads without a significant decrease in performance.

