

## Requirement Analysis

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

Date	25-06-2025
Team ID	LTVIP2025TMID20838
Project Name	Plugging Into the Future: An Exploration of Electricity Consumption Patterns Using Tableau
Maximum Marks	4 Marks

### Functional Requirements (FR)

These are the essential actions or operations the system must perform:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	<b>User Registration</b>	<ul style="list-style-type: none"><li>- Registration through Form</li><li>- Registration through Gmail</li><li>- Registration through LinkedIn</li></ul>
FR-2	<b>User Confirmation</b>	<ul style="list-style-type: none"><li>- Confirmation via Email</li><li>- Confirmation via OTP</li></ul>
FR-3	<i>(To be defined based on project specifics, e.g., dashboard viewing, report generation)</i>	<ul style="list-style-type: none"><li>- View electricity consumption dashboards</li><li>- Navigate between multiple dashboard pages</li></ul>
FR-4	<i>(To be defined, e.g., download visualizations, filter data, etc.)</i>	<ul style="list-style-type: none"><li>-Download visualizations as images</li><li>- Export summary reports</li><li>- Share dashboard link via social media or email</li></ul>

## Non-Functional Requirements (NFR)

These define the **quality attributes** of the system:

NFR No.	Requirement	Description
NFR-1	<b>Usability</b>	The system must offer an intuitive interface, easy navigation, and accessibility.
NFR-2	<b>Security</b>	Must ensure secure login, data encryption, and protection against breaches.
NFR-3	<b>Reliability</b>	System should consistently perform without failure.
NFR-4	<b>Performance</b>	The system should handle data loads and render dashboards quickly.
NFR-5	<b>Availability</b>	The platform must be accessible 24/7 with minimal downtime.
NFR-6	<b>Scalability</b>	The system should support more users and data as the project grows.