

## Project Design Phase-II

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

Date	22-06-2025
Team ID	LTVIP2025TMID20802
Project Name	Plugging Into the Fut--u-re: 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	User Registration	- Registration through Form - Registration through Gmail - Registration through LinkedIn
FR-2	User Confirmation	- Confirmation via Email - Confirmation via OTP
FR-3	(To be defined based on project specifics, e.g., dashboard viewing, report generation)	<a href="https://public.tableau.com/app/profile/manikanta.naraharasetti/viz/Electric_Consumption_Project_2025_Dashboard/ElectricalConsumption?publish=yes">https://public.tableau.com/app/profile/manikanta.naraharasetti/viz/Electric_Consumption_Project_2025_Dashboard/ElectricalConsumption?publish=yes</a>
FR-4	(To be defined, e.g., download visualizations, filter data, etc.)	<a href="https://public.tableau.com/app/profile/manikanta.naraharasetti/viz/RegionalAnalysis_17509354390870/RegionalAnalysis?publish=yes">https://public.tableau.com/app/profile/manikanta.naraharasetti/viz/RegionalAnalysis_17509354390870/RegionalAnalysis?publish=yes</a>

## 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.