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

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Project Name	Plugging into the Future: An Exploration of Electricity Consumption Patterns Using Tableau
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Data Collection	Upload public electricity datasets Import Excel/CSV files
FR-2	Data Preprocessing	Clean and handle missing data Format for Tableau use
FR-3	Visualization Design	Design dashboard layout Create charts for sectors/regions Enable filtering options
FR-4	Insight Generation	Generate summaries Highlight usage trends
FR-5	Publishing	Export dashboard to Tableau Public Enable sharing via link

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The Tableau dashboard should be intuitive and user-friendly for technical and non-technical users.

NFR-2	Security	Published dashboards should be accessible via secured links and hosted on secure platforms.
NFR-3	Reliability	The dashboard should consistently display updated and accurate data from source files.
NFR-4	Performance	Visualizations should load efficiently without noticeable delays.
NFR-5	Availability	The dashboard should be available online 24/7 through Tableau Public or embedded links.
NFR-6	Scalability	The solution should support larger datasets and expansion to include more regions/sectors.