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

Date	26 February 2026
Team ID	LTVIP2026TMIDS78338
Project Name	Plugging into the Future: An Exploration of ElectricityConsumption Patterns Using Tableau
Maximum Marks	4 Marks

Functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The Tableau dashboard shouldbe intuitive anduserfriendlyfor 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 andaccurate datafrom source files.

Followingare the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	SubRequirement (Story / Sub-Task)
FR-1	DataCollection	Uploadpublicelectricity datasets ImportExcel/CSV files
FR-2	Data Preprocessing	Cleanandhandle missing data Format for Tableau use
FR-3	Visualization Design	Designdashboardlayout Create charts for sectors/regions Enable filtering options
FR-4	Insight Generation	Generate summaries Highlightusagetrends
FR-5	Publishing	Exportdashboardto Tableau Public Enable sharing via link

Non-functional Requirements:

Followingare the non-functional requirements of the proposedsolution.

NFR-4	Performance	Visualizations should load efficientlywithoutnoticeable delays.
NFR-5	Availability	The dashboard should be available online 24/7 through TableauPublic orembedded links.
NFR-6	Scalability	Thesolution shouldsupport larger datasets and expansion to include more regions/sectors.