

Project Design Phase
Proposed Solution Template

Date	22 Jan 2026
Team ID	LTVIP2026TMIDS25025
Project Name	Plugging into the Future: An exploration of electricity
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

S.No	Parameter	Description
1	Problem Statement (Problem to be solved)	Electricity consumption data is large, complex, and scattered across sources, making it difficult for planners and analysts to identify trends, compare regions, and make informed decisions efficiently.
2	Idea / Solution Description	Develop a web-based interactive dashboard that cleans, processes, and visualizes electricity consumption data with filtering, comparison, trend analysis, and report export features.
3	Novelty / Uniqueness	Provides centralized, interactive visualization with real-time filtering and comparative analysis instead of static reports or manual Excel analysis.
4	Social Impact / Customer Satisfaction	Helps government planners and analysts make better energy management decisions, leading to efficient electricity distribution and improved public service reliability.
5	Business Model (Revenue Model)	Can be offered as a government analytics tool, licensed dashboard solution, or SaaS-based data analytics platform for energy departments and research institutions.
6	Scalability of the Solution	The system can scale to include more states, real-time datasets, renewable energy analytics, and integration with larger databases or cloud deployment.