

Project Design Phase

Proposed Solution Template

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	2 Marks

Proposed Solution Template:

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

S.no.	Parameter	Description
1.	Problem Statement	Difficulty in understanding and analysing electricity consumption trends across sectors, time periods, and regions, leading to inefficient energy use and poor planning.
2.	Idea / Solution Description	Develop an interactive and user-friendly dashboard using Tableau that visualizes electricity consumption data, offering breakdowns by sector, time, and location to enable actionable insights.
3.	Novelty / Uniqueness	The solution provides a visually rich, real-time, and comparative analysis tool that integrates multiple consumption parameters into a single interactive platform—offering ease of exploration and personalized data filtering.
4.	Social Impact / Customer Satisfaction	Helps users (individuals, industries, governments) optimize power usage, promotes energy efficiency, reduces wastage, and supports sustainable practices—leading to increased satisfaction and positive environmental impact.
5.	Business Model (Revenue Model)	Can be offered as a freemium SaaS tool for electricity boards, utility companies, and energy consultants; premium features could include forecasting tools, custom exports, and integration with IoT smart meters.
6.	Scalability of the Solution	Easily scalable to include more regions, larger datasets, or other forms of energy (like water or gas) by updating data sources and adding modules—without changing the overall dashboard framework.