

## Project Design Phase

### Proposed Solution Template

|               |   |
|---------------|---|
| Date          | 25-06-2025  |
| Team ID       | LTVIP2025TMID48302  |
| Project Name  | ToyCraft tales: tableau's vision into toy manufacturer data |
| Maximum Marks | 2 Marks   |

### Proposed Solution Template:

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

| S.no. | Parameter                                    | Description  |
|-------|--|--|
| 1.    | <b>Problem Statement</b>                     | Difficulty in understanding and analysing electricity consumption trends across sectors, time periods, and regions, leading to inefficient energy use and poor planning.   |
| 2.    | <b>Idea / Solution Description</b>           | 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.    | <b>Novelty / Uniqueness</b>                  | 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.    | <b>Social Impact / Customer Satisfaction</b> | 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.    | <b>Business Model (Revenue Model)</b>        | 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.               |

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|----|------------------------------------|--|
| 6. | <b>Scalability of the Solution</b> | 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. |
|----|------------------------------------|--|

