

Ideation Phase
Define the Problem Statements

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| Date | 23 February 2026 |
| Team ID | LTVIP2026TMIDS35961 |
| Project Name | Plugging into the Future: An Exploration of Electricity Consumption Patterns Using Tableau |
| Maximum Marks | 2 Marks |

Customer Problem Statement Template:

| Problem Statement (PS) | I am (Customer) | I'm trying to | But | Because | Which makes me feel |
|-------------------------------|---|---|--|---|---|
| PS-1 | An energy analyst | Understand electricity consumption trends across states and regions | The data is available only in raw Excel format | There are no proper visualization or dashboards to interpret patterns | Confused and unable to make quick data-driven decisions |
| PS-2 | A government energy planner | Identify high and low electricity consuming states | I cannot easily compare year-wise and month-wise consumption | The data lacks interactive filtering and comparative tools | Uncertain about resource allocation and planning |
| PS-3 | A regional electricity distribution manager | Monitor regional electricity usage performance | It is difficult to track trends over time | There is no centralized visual analytics system | Concerned about inefficiencies in energy distribution |
| PS-4 | A policy maker | Analyze seasonal electricity demand variations | Monthly data is complex and hard to interpret | There is no clear trend analysis visualization | Insecure about making strategic energy policies |