# Project Development Phase
# Model Performance Test

| Date | 18 February, 2026 |
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| Team ID | LTVIP2026TMIDS40169 |
| Project Name | Plugging into the Future: An Exploration of Electricity Consumption Patterns Using Tableau |
| Maximum Marks | |

**Model Performance Testing:**

| S.No. | Parameter | Screenshot / Values |
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| 1. | Data Rendered | The dataset contains electricity consumption records for multiple states and regions for 2019 and 2020. Key fields include: • State • Region • Year • Month • Quarter • Usage |
| 2. | Data Preprocessing | - Verified and formatted date columns (Month, Quarter, Year)<br>- Removed null/duplicate values<br>- Renamed fields for clarity in Tableau |
| 3. | Utilization of Filters | Global filters used:<br>• Year (2019/2020)<br>• Region<br>• State<br>• Quarter<br>Filters applied across all dashboards for comparative analysis |
| 4. | Calculation fields Used | - Growth % = (2020 – 2019) / 2019<br>- Lockdown Impact Category (Pre/Post Lockdown) |
| 5. | Dashboard design | Included:<br>• State-wise Map<br>• KPI Card (Total Consumption)<br>• Line Chart – Year-wise Trend<br>• Bar Chart – Top N & Bottom N<br>• Quarter Usage Chart<br>• Region-wise Pie Chart |

| 6 | Story Design | Story includes:<br>• State Comparison<br>• Regional Analysis<br>• Lockdown Impact<br>• Seasonal Trends<br>• Top N Insights |
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