**Project Design Phase**
**Proposed Solution**

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| Date | 28 January 2026 |
| Team ID | LTVIP2026TMIDS58756 |
| Project Name | Visualization Tool for Electric Vehicle Charge and Range Analysis |
| Maximum Marks | 2 Marks |

**Proposed Solution:**

| S.No. | Parameter | Description |
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| 1. | Problem Statement (Problem to be solved) | Many EV buyers and policymakers struggle to access consolidated, visual, and insightful data on electric vehicles and charging infrastructure. The lack of a centralized comparison tool leads to confusion and delayed decision-making. |
| 2. | Idea / Solution description | We propose an interactive dashboard built using Tableau, backed by datasets on EV models and charging stations across India and globally. This dashboard allows users to explore EV specifications, brand comparisons, top speed, pricing, charging station availability, and region-wise insights through visually engaging charts and filters. |
| 3. | Novelty / Uniqueness | While many sites provide EV specs, our solution is unique in integrating multiple datasets (India + global), using a visual-first approach. It combines EV model insights, charging data, and user-friendly filtering in a single interactive platform. |
| 4. | Social Impact / Customer Satisfaction | Our dashboard enables eco-conscious consumers to make informed EV purchase decisions. It also helps policymakers and analysts plan infrastructure more effectively. This contributes to smarter mobility and supports India's EV adoption push. |
| 5. | Business Model (Revenue Model) | This is a non-commercial academic project. However, if developed further, the dashboard could be monetized through:<br>• Premium B2B subscriptions (for auto industry stakeholders)<br>• Custom analytics reports for EV dealerships or government agencies |
| 6. | Scalability of the Solution | The solution is highly scalable — new datasets (e.g., future EV models, real-time charging data) can be integrated easily. The dashboard design is modular and adaptable to new filters or regions without major redesign. |