Proposed Solution Template

Date :17 February 2026

Team ID : LTVIP2026TMIDS69068

Project Name: Visualization Tool for Electric Vehicle Charge and Range Analysis

Maximum Marks :2 Marks

S.No.	Parameter	Description
1	Problem Statement (Problem to be solved)	The rapid growth of electric vehicles has generated large amounts of data related to pricing, battery capacity, range, and charging infrastructure. However, this data is not easily understandable for users, researchers, or decision-makers. There is a need for a system that can analyze and visualize EV data effectively to provide meaningful insights.
2	Idea / Solution description	The proposed solution is an Electric Cars Analytics Dashboard developed using Tableau. The system collects EV data from Excel/CSV sources, processes it using Tableau, and creates interactive dashboards and stories. These visualizations are published on Tableau Public and embedded into a responsive website built using HTML, CSS, and Bootstrap. Users can access and interact with the dashboard through the website.
3	Novelty / Uniqueness	Integration of Tableau dashboards with a web-based interface. Use of interactive storytelling for better understanding. Combination of data analytics and web development. Provides a user-friendly visualization for both technical and non-technical users.
4	Social Impact / Customer Satisfaction	Helps users understand electric vehicle trends and performance. Promotes environmental awareness by encouraging EV adoption. Supports researchers and policymakers with data-driven insights. Provides an interactive and user-friendly experience.
5	Business Model (Revenue Model)	Can be used as a subscription-based analytics platform. Can collaborate with automobile companies for market insights. Revenue can be generated through advertisements or premium analytics features. Can be extended as a data analytics service.
6	Scalability of the Solution	The system can handle larger datasets by integrating with databases. It can be extended to include real-time data. It can be scaled to analyze other types of vehicles. The website can be deployed on cloud platforms for better scalability.