

**Project Design Phase-I**  
**Proposed Solution Template**

Date	11 February 2026
Team ID	LTVIP2026TMIDS35236
Project Name	Visualization Tool for Electric Vehicle Charge and Range Analysis
Maximum Marks	2 Marks

**Proposed Solution Template:**

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none"> <li>World Heritage data is available in raw and report formats, making it difficult for students and researchers to quickly analyse trends, regional distribution, categories, and danger status of heritage sites.</li> </ul>
2.	Idea / Solution description	<ul style="list-style-type: none"> <li>Develop an interactive web-based dashboard using <b>Flask, Bootstrap, and Tableau</b> to visualize World Heritage Sites data. The dashboard provides country-wise, region-wise, category-wise, year-wise, and danger status analysis in a simple and interactive format.</li> </ul>
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> <li>Combines <b>data visualization + storytelling</b> in one platform.</li> <li>Converts complex heritage datasets into easy-to-understand visuals.</li> <li>User-friendly academic dashboard without login requirement.</li> </ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> <li>Helps students and researchers understand global cultural and natural heritage.</li> <li>Encourages awareness about endangered heritage sites.</li> <li>Supports academic learning and research projects.</li> </ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> <li>Academic and educational use (non-commercial).</li> <li>Can be extended as a premium research analytics tool.</li> <li>Potential integration with tourism analytics platforms.</li> </ul>
6.	Scalability of the Solution	<ul style="list-style-type: none"> <li>Can be extended to include real-time UNESCO updates.</li> <li>Can integrate more datasets (tourism data, environmental data).</li> <li>Deployable on cloud platforms for large-scale usage.</li> </ul>