

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

Date	19 September 2022
Team ID	LTVIP2026TMIDS52570
Project Name	Heritage Treasures: An In-Depth Analysis of UNESCO World Heritage Sites in Tableau
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)	UNESCO World Heritage data is available in raw CSV format, which is difficult to interpret and analyze. Stakeholders face challenges in understanding site distribution, endangered sites, and regional trends. There is a lack of clear visual insights to support data-driven decisions for heritage preservation and policy making.
2.	Idea / Solution description	The proposed solution is to develop an interactive Tableau dashboard that analyzes UNESCO World Heritage Sites (2019) data. The dashboard will visually represent country-wise heritage distribution, sites at risk, and regional inscription trends over the years. Interactive filters such as country, region, year, and category will allow users to explore data dynamically. The dashboard will also be embedded into a web application using Flask to ensure accessibility and better presentation.
3.	Novelty / Uniqueness	The uniqueness of this project lies in its interactive visual storytelling approach using Tableau. It combines multiple visualization techniques like treemaps, pie charts, and line charts to provide multi-dimensional insights. The integration of Tableau with a Flask-based web interface enhances usability and presentation. Additionally, the focus on endangered heritage sites adds practical relevance and social importance to the analysis.
4.	Social Impact / Customer Satisfaction	This project increases awareness about endangered UNESCO World Heritage Sites and supports governments, NGOs, and researchers in making informed preservation decisions. It promotes cultural heritage understanding and encourages data-driven tourism strategies. By transforming complex data into simple visual insights, it ensures better user satisfaction and accessibility.

5.	Business Model (Revenue Model)	<p>The solution can be offered as a subscription-based analytics platform for advanced heritage data insights. Government organizations, tourism boards, and research institutions can access customized dashboards for strategic planning. Academic institutions can use it for learning and research purposes through licensing models.</p>
6.	Scalability of the Solution	<p>The solution is highly scalable as it can incorporate updated UNESCO datasets and expand to include real-time data integration. It can be developed into a full-scale web-based analytics platform with predictive risk assessment features. The system can also be extended to analyze other global cultural or environmental datasets, making it adaptable for broader applications.</p>