

## Project Design Phase

### Solution Architecture

Date	28 <sup>th</sup> May 2025
Team ID	LTVIP2025TMID48210
Project Name	Heritage Treasures: An In-Depth Analysis of UNESCO World Heritage Sites (2019)
Maximum Marks	4 Marks

### Solution Architecture:

The solution architecture is developed to visualize and analyze UNESCO World Heritage Sites data using Tableau. It supports the goal of enhancing awareness, preservation, and global insights into heritage distribution and threats by leveraging powerful data visualizations.

### Goals of the Architecture:

- Identify the best BI (Business Intelligence) tools to explore UNESCO site data.
- Define the structure and flow of Tableau dashboards focused on site distribution, threats, and inscription trends.
- Describe the processes of data ingestion, cleaning, transformation, and visualization.
- Support interactive and scalable visual exploration for deep analysis of heritage data.

### Solution Components:

Component	Description
Data Source	CSV Dataset containing attributes such as Country, Region, Date\_inscribed, Danger, and Name\_en
Data Preparation	Handled using Tableau Prep or in Tableau using filters, calculated fields
Dashboard Tool	Tableau Public / Tableau Desktop
Visual Layers	Treemap (Heritage Sites by Country), Pie Chart (Sites at Risk), Line Chart (Regional Inscription Trends)
Deployment	Published on Tableau Public or embedded into project showcase platform
Users	Historians, cultural analysts, policymakers, researchers, general public.

## Solution Architecture Diagram:

**Solution Architecture Diagram: Heritage Treasures – UNESCO Analysis**

