

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Interactive Heritage KPI Dashboard	Displays total number of UNESCO sites, category distribution (Cultural/Natural/Mixed), and country-wise counts with filters.
FR-2	Country & Category Comparison	Allows users to compare heritage sites by country, region, and category.
FR-3	Year-wise Trend Analysis	Shows inscription trends over years using line and bar charts.
FR-4	Geo-Map Visualization	Displays global heritage site locations on an interactive world map.
FR-5	Endangered Site Insights	Highlights endangered sites and their risk status for analysis.
FR-6	Story-Based Dashboard	Provides a narrative view explaining key insights using Tableau story points.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

NFR No.	Non-Functional Requirement	Description
NFR-1	Performance	The dashboard should load within 3–5 seconds even when filters are applied.
NFR-2	Scalability	The system should support future addition of new heritage site data without redesigning the dashboard.

NFR-3 Responsiveness	The dashboard layout should be usable on laptops, desktops, and projectors during presentations.
NFR-4 Usability	The interface should be simple, readable, and easy to navigate without technical knowledge.
NFR-5 Reliability	The dashboard should function without errors during interaction and filtering.
NFR-6 Data Accuracy	All KPIs, calculations, and comparisons must be validated against original UNESCO data sources.