Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	31 January 2025
Team ID	LTVIP2025TMID51841
Project Name	Heritage Treasures: An In-Depth Analysis of UNESCO World Heritage Sites in Tableau
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Explore Heritage Sites	View categorized heritage sites (e.g., by region, period, type) Filter/search functionality
FR-4	Interactive Visualization	3D walkthroughs of monuments AR views using device camera Timeline-based exploration
FR-5	Content & Information Access	Detailed descriptions, history, significance Multilingual content support
FR-6	Feedback & Contribution	Submit suggestions or corrections Upload media or stories

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Interface should be intuitive, visually engaging, and accessible for all age groups and backgrounds.
NFR-2	**Security**	Ensure secure login, encrypted data transmission, and privacy-safe content contribution.
NFR-3	**Reliability**	System should remain stable during virtual tours, even with high-resolution 3D content or AR loads.
NFR-4	**Performance**	Optimize for quick loading of visualizations (3D/AR), even on medium-spec devices and slower networks.
NFR-5	**Availability**	Platform should be accessible globally 24/7, with fallback content if live features are down.
NFR-6	**Scalability**	Should support growth to include hundreds of heritage sites, more languages, and additional user traffic.