<div align="center">

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

</div>

Date	01 February 2026
Team ID	**LTVIP2026TMIDS24102**
Project Name	Heritage treasures: an in-depth analysis of UNESCO world heritage sites
Maximum Marks	2 Marks

Functional Requirements:

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	Dashboard Access	View UNESCO Heritage Sites by Country
		Filter by Type (Cultural, Natural, Mixed)
		Search for Heritage Sites
FR-4	Data Visualization	View Endangered vs. Safe Sites (Pie Chart)
		View Regional Inscription Trends (Line Chart)
		View Country-Wise Site Rankings (Bar Chart/Blocks)
FR-5	Mobile Accessibility	Responsive Dashboard for Mobile Devices
		Interactive Filters on Mobile
FR-6	Administration & Data Management	Update Heritage Site Data
		Manage User Access (View/Edit Permissions)
		Validate and Monitor Data Sources

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The dashboards must be intuitive, interactive, and user-friendly, allowing users to easily filter and explore heritage site data without extensive training.
NFR-2	Security	User data (e.g., registration details) and dashboard access must be protected through secure login mechanisms, encrypted connections, and proper access controls.
NFR-3	Reliability	The system should provide consistent access to heritage site data with accurate and verified information, ensuring no downtime or data loss during operations.
NFR-4	Performance	Dashboards must load within 2–3 seconds, even when handling large datasets of UNESCO heritage sites (e.g., 1000+ records).
NFR-5	Availability	The application should be available 24/7 with at least 99% uptime to ensure stakeholders can access insights anytime.
NFR-6	Scalability	The system must be capable of scaling to handle increasing volumes of heritage site data and users without performance degradation.