**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| Date | 31 January 2025 |
| Team ID | LTVIP2025TMID49051 |
| 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.

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| **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 | View Heritage Site Information | View Sites by Country  View Sites in Danger  View Site Details |
| FR-4 | Data Analysis and Visualization | Country-wise Distribution Chart  Risk-based Pie Chart  Regional Trends Line Graph |
| FR-5 | Filter & Search Functionality | Filter by Country  Filter by Danger Status  Search by Site Name |
| FR-6 | Data Export | Download charts as image  Export summary as CSV |

**Non-functional Requirements:**

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

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | Interface must be user-friendly and easy to navigate using Tableau dashboard. |
| NFR-2 | **Security** | Access to editing/upload features must be restricted to admins. |
| NFR-3 | **Reliability** | The dashboard should consistently load without errors for all users. |
| NFR-4 | **Performance** | Dashboard must load under 5 seconds; pre-processed data used for fast loading. |
| NFR-5 | **Availability** | Hosted via Tableau Public or Online with 99.9% uptime. |
| NFR-6 | **Scalability** | Can be extended to include new regions, years, or risk models in the future. |