# Project Design Phase-II

# Technology Stack (Architecture & Stack)

| Date | 28 June2025 |
|---|---|
| Team ID | LTVIP2025TMID49408 |
| Project Name | Heritage Treasures: An In-depth Analysis of UNESCO World Heritage |
| Maximum Marks | 4 Marks |

## Technical Architecture:-

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

| S.No | Component | Description | Technology |
|---|---|---|---|
| 1 | User Interface | Web-based dashboard view | Tableau Public |

| | | | |
|---|---|---|---|
| 2. | Application Logic-1 | Data filtering and user interaction | Tableau filters and parameters |
| 3. | Application Logic-2 | Data visualization logic | Tableau dashboards & calculated fields |
| 4. | Application Logic-3 | Not used (optional) | — |
| 5. | Database | UNESCO heritage dataset (static CSV) | Excel / CSV |
| 6. | Cloud Database | Hosted cleaned dataset | Google Drive / Tableau Public |
| 7. | File Storage | Source file storage | Local system / Google Drive |
| 8. | External API-1 | (Optional) Live cultural/heritage API | UNESCO Open Data (if used) |
| 9. | External API-2 | (Optional) Geolocation or Maps API | Google Maps API (if used) |
| 10. | Machine Learning Model | Not used | — |
| 11. | Infrastructure (Server / Cloud) | Tableau hosted online | Tableau Public |

**Table-2: Application Characteristics:-**

| S.No | Characteristics | Description | Technology |
|------|-----------------|-------------|------------|
| 1. | Usability | Easy navigation and interaction for non-technical users | Tableau filters and Dashboards |
| 2. | Performance | Quick loading and smooth interaction of charts | Tableau Engine |
| 3. | Accessibility | Open access to dashboard without login | Tableau Public |
| 4. | Maintainability | Easy to update by refreshing the data source | Excel/CSV + Tableau Refresh |
| 5. | Interactivity | Users can explore sites by filters (region, year, type, status) | Tableau Parameters & Actions |