

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

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| Date | 2July2025 |
| TeamID | LTVIP2025TMID51017 |
| ProjectName | HeritageTreasures:AnIn-DepthAnalysisof UNESCO World Heritage Sites |
| MaximumMarks | 4Marks |

FunctionalRequirements:

Followingarethefunctionalrequirementsoftheproposedsolution.

| FRNo. | FunctionalRequirement(Epic) | SubRequirement(Story/Sub-Task) |
|-------|-----------------------------|--|
| FR-1 | DashboardAccess | Useraccesses dashboard via web |
| FR-2 | DataExploration | Filterbyregion,category,year |
| FR-3 | Visualization | Generatecharts: bar, treemap, forecast, maps |
| FR-4 | ExportOptions | Downloadvisuals(PDF,PNG) for reports |
| FR-5 | SiteInsights | Clickonsitefordetailedinfo popup or link |
| FR-6 | SharingFeatures | Copylink/sharedashboard with others |

Non-functionalRequirements:

Followingarethennon-functionalrequirementsoftheproposedsolution.

| FRNo. | Non-FunctionalRequirement | Description |
|-------|---------------------------|--|
| NFR-1 | Usability | The dashboard should be intuitive and easy to navigate for all users. |
| NFR-2 | Security | Data access should be secure and protect against unauthorized use. |
| NFR-3 | Reliability | The dashboard should load and function consistently without failure. |
| NFR-4 | Performance | Visualizations should load within 2 seconds of filter application. |
| NFR-5 | Availability | The dashboard should be accessible 24/7 with minimal downtime. |
| NFR-6 | Scalability | The system should handle increasing data volume and users efficiently. |