

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

Date	26 june 2025
Team ID	LTVIP2025TMID49207
Project Name	Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis
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	Data Cleaning & Transformation	Normalize numeric columns Handle missing/null values Format year and region data
FR-2	Data Analysis	Correlation analysis between sub-indices and GDP Country-wise index computation
FR-3	Visualization & Dashboard	Create interactive Tableau dashboards Provide filtering by country, year, and region
FR-4	Export & Reporting	Allow users to download graphs as images Export summarized insights in PDF/CSV
FR-5	User Access Control	Admin login for managing datasets Analyst login for exploring dashboards

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Dashboard must be simple, intuitive, and accessible to non-technical users
NFR-2	<b>Security</b>	User roles (Admin, Analyst) should be protected by secure login with access limits
NFR-3	<b>Reliability</b>	The system should always reflect the most accurate, updated index data
NFR-4	<b>Performance</b>	Dashboards should load within 3 seconds on standard broadband
NFR-5	<b>Availability</b>	Cloud-hosted dashboards and data should have 99.5% uptime with backup options
NFR-6	<b>Scalability</b>	The system should support expansion to new indicators and multiple country