

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	30 June 2025
Team ID	LTVIP2025TMID49576
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	Dataset Upload	Upload Economic Freedom Dataset (CSV/Excel)
		Validate Data Format and Structure
FR-2	Index Computation	Apply Economic Freedom Index Formula
		Normalize and Aggregate Data
FR-3	Visualization & Reporting	Display Charts for Each Country/Region
		Allow Comparison Over Time
FR-4	User Roles & Authentication	Admin, Analyst, and Viewer Roles
		Secure Login via Email or Google OAuth
FR-5	Data Export	Export Freedom Index Reports in PDF or Excel

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	Interface should be user-friendly for analysts and public users.
NFR-2	Security	Ensure authentication, data privacy, and role-based access control.

NFR No.	Non-Functional Requirement	Description
NFR-3	Reliability	System should provide consistent results without failure.
NFR-4	Performance	Index computation and report generation must complete within 5 seconds.
NFR-5	Availability	System should have 99.5% uptime.
NFR-6	Scalability	Support expanding datasets with additional countries or indicators.