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

Date	18 June 2025
Team ID	LTVIP2025TMID48892
Project Name	Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis
Maximum Marks	4 Marks

Functional Requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Access & Authentication	Registration via Form, Gmail, LinkedIn
FR-2	User Verification	Confirmation via Email and OTP
FR-3	Data Visualization Dashboard	Interactive index graphs, country comparison, year-wise trends
FR-4	Data Upload & Management	Upload datasets (CSV/XLSX), edit indicators

FR-5	Index Calculation Engine	Normalize indicators, compute composite scores
FR-6	Search & Filter Capability	Filter by country, region, year, or index category
FR-7	Report Generation	Export summary reports (PDF/Excel), customizable charts
FR-8	User Feedback & Insights	Comments, upvotes on data accuracy, suggest new indicators

Non-Functional Requirements:

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	Interface should be intuitive for users with basic economic knowledge
NFR-2	Security	Ensure user data and economic inputs are secure, HTTPS & auth layers

NFR-3	Reliability	System should recover smoothly from unexpected crashes or errors
NFR-4	Performance	Response time for dashboard updates and search should be under 2 seconds
NFR-5	Availability	99.9% uptime guarantee for users and researchers
NFR-6	Scalability	Should support 10K+ concurrent users and future indicator expansion