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

Date	27 June 2025
Team ID	LTVIP2025TMID37895
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	User Registration	Registration through Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Data Ingestion	Upload data from CSV/Excel files Connect to online economic data sources (e.g., World Bank API)
FR-4	Data Preprocessing	Clean missing values Normalize and transform data Convert categorical data
FR-5	Visualization Generation	Generate interactive charts in Tableau Filter views by region, indicator, or year
FR-6	Index Comparison & Analysis	Rank countries based on scores Allow multi-country comparison Show trend lines and changes

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The dashboard should have an intuitive interface with easy-to-navigate filters and visuals.
NFR-2	Security	Access should be role-based, and sensitive data must be protected using authentication methods.
NFR-3	Reliability	The platform should consistently load visualizations and avoid crashing during high traffic.
NFR-4	Performance	Dashboards and data analysis should render within 2–3 seconds even for large datasets.
NFR-5	Availability	The system should maintain 99.9% uptime to ensure access during decision-making periods.
NFR-6	Scalability	The system must handle growing data volumes and additional users without performance degradation