

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

Date	13 February 2026
Team ID	LTVIP2026TMIDS85861
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 Collection	Import Index of Economic Freedom dataset from CSV/Excel Validate dataset structure and column consistency
FR-2	Data Cleaning	Remove null or missing values Correct data types (numeric, string, date)
FR-3	Data Preparation	Create calculated fields (average score, rankings, growth rate)
FR-4	Data Analysis	Compare economic freedom scores across countries Analyze trends over multiple years
FR-5	Data Visualization	Create line charts for year-wise trends Create map visualization for geographic comparison
FR-6	Dashboard Development	Combine multiple visualizations into a single dashboard Add filters (Country, Year, Region) Add interactive parameters and tooltips
FR-7	Dashboard Publishing	Publish dashboard to Tableau Public
FR-8	Reporting	Export insights for documentation and presentation

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Dashboard should be easy to understand and navigate
NFR-2	Security	Dataset should not be altered unintentionally
NFR-3	Reliability	Data calculations must produce accurate and consistent results
NFR-4	Performance	Dashboard should load within acceptable time even with large datasets
NFR-5	Availability	Published dashboard should be accessible online via Tableau Public
NFR-6	Scalability	System should handle additional years or countries without redesign
NFR-7	Compatibility	Dashboard should work on desktop and mobile