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

Date	24 July 2025
Team ID	PNT2025TMID10173
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 Upload	Upload the 2022 Index of Economic Freedom dataset (CSV format) from The Heritage Foundation
FR-2	Data Preparation	Clean null values, format columns (country, region, score), and categorize by indicators
FR-3	Visualization	Create dashboards in Tableau showing overall economic freedom scores, regional breakdowns, pillar-wise analysis (Rule of Law, Government Size, etc.)
FR-4	Interactivity & Filtering	Enable filters for region, economic score range, year, and individual pillars
FR-5	Dashboard Publishing	Publish dashboards to Tableau Public and generate shareable links
FR-6	Report Generation	Export dashboards and visual reports as PDF for documentation or stakeholder sharing

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Dashboards must be intuitive, visually clear, and easy to navigate for students, researchers, and policymakers.
NFR-2	Security	Tableau Public links should maintain data integrity, and sensitive information (if any) must be anonymized.
NFR-3	Reliability	Dashboards should load accurately and consistently without missing visuals or data errors.
NFR-4	Performance	All visualizations should load within 5 seconds for a seamless analytical experience.

NFR-5	Availability	Dashboards must remain accessible on Tableau Public 24/7 without downtime.
NFR-6	Scalability	The system should handle expanded datasets in the future, such as multi-year economic indices or added indicators.