

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

Date	27 Jun 2025
Team ID	LTVIP2025TMII61416
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	Dashboard Visualization	Country-wise economic freedom score visualization Pillar-wise radar and bar chart comparison Region & income group filters Interactive story walkthrough
FR-4	Data Management & Export	MySQL database integration Live connection to Tableau Export visual reports in PDF/CSV

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Simple UI for students, analysts, and policymakers to explore data without technical skills
NFR-2	Security	Secure backend access and protection for data exports
NFR-3	Reliability	Dashboards consistently load without crashing or misbehaving
NFR-4	Performance	Visuals and filters respond within 2 seconds under normal network and device usage
NFR-5	Availability	Accessible 24/7 on Tableau Public or embedded in the project's webpage
NFR-6	Scalability	New countries, indicators, or years of data can be added easily without redesigning the system