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

Date	04 July 2025
Team ID	LTVIP2025TMID49622
Project Name	Measuring The Pulse Of Prosperity: An Index Of Economic freedom Analysis
Maximum Marks	4 Marks

Functional Requirements:

Title: Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis

Goal: Analyze and visualize the Economic Freedom Index to understand how it correlates with consumer behavior, market trends, or cosmetic industry growth across regions.

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	Economic Freedom Data Input	• Upload data via CSV/Excel • Manual entry via form
FR-4	Index Analysis	• Calculate economic freedom index • Generate visual analytics (charts/graphs) • Compare countries/regions

Non-functional Requirements:

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

NFR-1	Usability	The application should have a user-friendly and intuitive interface for data input and analysis.
NFR-2	Security	User data and uploaded files should be securely stored and transmitted using encryption (e.g.,HTTPS).
NFR-3	Reliability	The system should provide consistent and accurate results for index calculations and visualizations.
NFR-4	Performance	Index calculations and visual reports should load in under 5 seconds.

FR No.	Non-Functional Requirement	Description

NFR-5	**Availability**	The system should be available 99.5% of the time with minimal downtime.
NFR-6	**Scalability**	The system should scale to support more users and increased data volumes as needed.