

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

Date	22 March 2025
Team ID	PNT2025TMID07133
Project Name	Power BI Inflation Analysis: Journeying Through Global Economic Terrain
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 Collection & Integration	Aggregation of inflation data from multiple sources, data cleansing, and standardization
FR-4	Data Visualization in Power BI	Interactive dashboard with inflation trends, real-time and historical data views
FR-5	Predictive Analytics & Forecasting	Machine learning models for inflation prediction, correlation analysis with economic indicators
FR-6	Risk Assessment & Decision Support	Scenario analysis for business impact, automated reporting and insights

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	User-friendly dashboard with intuitive UI/UX
NFR-2	Security	Data encryption, role-based access control
NFR-3	Reliability	High availability of data sources and stable dashboard performance
NFR-4	Performance	Fast data loading, real-time updates
NFR-5	Availability	System accessible 24/7 with minimal downtime
NFR-6	Scalability	Ability to accommodate increasing data volume and new markets