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

Date	12 March 2025
Team ID	PNT2025TMID06643
Project Name	Power BI Inflation Analysis; Journey 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	Global Inflation Trends Visualization	Power BI in inflation analysis is its ability to display global inflation trends through visually intuitive dashboards.
FR-2	Sectoral Impact	Power BI tracks inflation's effect on sectors like food, energy, housing, and healthcare, aiding businesses in pricing, supply chain, and investment decisions. It integrates external data sources to deepen sector-specific analysis.
FR-3	Country and Region Comparisons	By analyzing inflation across regions, Power BI highlights economic disparities, helping businesses and investors assess market opportunities and risks.
FR-4	Forecasting	Power BI's predictive analytics tools forecast inflation trends using historical data and economic indicators, helping businesses and governments plan for future economic conditions.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Easy-to-use interface with customizable visualizations and drag-and-drop features, making it accessible for all users.
NFR-2	Security	End-to-end encryption and role-based access ensure the protection of sensitive data.
NFR-3	Reliability	Cloud-based with continuous updates, ensuring data availability and real-time analysis.
NFR-4	Performance	Handles large datasets and complex queries, ensuring high performance in inflation analysis.

NFR-5	**Availability**	Accessible on various devices, providing flexibility for decision-makers.
NFR-6	**Scalability**	Power BI grows with organizations, accommodating increasing data and complex analytics.