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

Date	12 Mar 2025
Team ID	PNT2025TMID06655
Project Name	Global Malnutrition Trends :A Power BI Analysis(1983-2019)
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 Collection & Integration	Collection malnutrition data (1983-2029)form UNICEF,WHO/WORLD BANK and Integration with country economic classification.
FR-2	Data Categorization	Classify malnutrition types (server wasting, underweight) categorize countries countries based on economic and geographical factors.
FR-3	Trend Analysis	Analysis malnutrition trends from 1983-2019 and identify correlation with economic and geographical classifications.
FR-4	Data Visualization	Create stacked bar charts, line charts
FR-5	Report & insight	Generate key insight prepare reports and provide findings for policy makers.
FR-6	Presentation & Accessibility	Ensure Dashboard are easily accessible and present findings to decision-makers.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Uses should be able to easily filter and analysis data in Power BI dash board.
NFR-2	**Security**	UNIEF/WHO/world bank data should be and protect from access.
NFR-3	**Reliability**	Data should be reports should always display the correct information.
NFR-4	**Performance**	Even with millions of records data processing and visualizations should be fast.
NFR-5	**Availability**	Data and Dashboard should always be accessible without interruption, even design update.
NFR-6	**Scalability**	The system should handle additional years of data new countries and malnutrition without issues.