

Project Design Phase
Problem – Solution Fit Template

Date	24 March 2025
Team ID	PNT2025TMID06847
Project Name	Global Malnutrition Trends: A Power BI Analysis (1983-2019)
Maximum Marks	2 Marks

Problem – Solution Fit Template:

1. Problem Statement

Malnutrition remains a critical global challenge, affecting millions, especially in developing countries.

Despite various initiatives, real-time tracking and historical trend analysis of malnutrition data are often inadequate.

Policymakers, researchers, and organizations lack an intuitive and data-driven approach to monitor and combat malnutrition effectively.

2. Customer Pain Points

Lack of comprehensive, visual insights into long-term malnutrition trends.

Difficulty in identifying correlations between economic, social, and health indicators affecting malnutrition.

Policymakers and NGOs struggle to make data-backed decisions due to fragmented and unstructured data sources.

3. Proposed Solution

A Power BI-based analytical dashboard that visualizes malnutrition trends (1983-2019) using historical datasets.

Key features:

Interactive maps and trend charts to identify regional disparities.

Time-series analysis to understand progress and setbacks.

Correlation analysis with economic and health indicators.

Enables better decision-making by providing a data-driven narrative of global malnutrition patterns.

4. Value Proposition

Data-Driven Insights: Transforms complex datasets into actionable visualizations.

User-Friendly Interface: Interactive dashboards for policymakers, researchers, and organizations.

Predictive Capabilities: Helps forecast future malnutrition risks using historical trends.

Impact Assessment: Measures the effectiveness of past interventions and policies.

5. Validation & Evidence

Feedback from experts and policymakers supports the need for a visual analytics tool for decision-making.

Scalability: Expand the tool to cover additional health indicators and real-time data updates.

Template:



