Project Design Phase
Proposed Solution Template

Date	15 February 2025
Team ID	PNT2025TMID02554
Project Name	global malnutrition trends analysis(1983 to 2019)
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Malnutrition has been a persistent global issue affecting millions, especially in underdeveloped and developing nations. There is a lack of proper analysis of historical data to understand trends, regional disparities, and contributing factors, which limits effective policymaking and intervention strategies.
2.	Idea / Solution description	Our project analyzes malnutrition trends from 1983 to 2019 using historical datasets, data visualization techniques, and predictive analytics. By identifying patterns and regional disparities, we provide valuable insights to policymakers, healthcare professionals, and organizations working to combat malnutrition.
3.	Novelty / Uniqueness	Unlike existing reports that focus on a specific year or region, our study offers a **comprehensive long-term analysis** across multiple decades. We leverage data science techniques to visualize trends, highlight correlations, and predict future risks.
4.	Social Impact / Customer Satisfaction	This project will help governments, NGOs, and global organizations create more **data-driven policies** to tackle malnutrition effectively. By identifying high-risk areas and demographic groups, interventions can be better targeted, leading to improved public health outcomes.
5.	Business Model (Revenue Model)	The project can be monetized by providing **customized reports and insights** to policymakers, health organizations, and research institutions. Additionally, partnerships with NGOs and international agencies could

		secure funding for further research and expansion.
6.	Scalability of the Solution	The solution can be expanded to analyze **real-time nutrition data**, include **AI-driven predictive models**, and integrate **more datasets** (e.g., economic conditions, climate data) to enhance accuracy. It can also be applied to different health-related data analysis projects.