**Project Design Phase**

**Proposed Solution Template**

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| 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.

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| **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. |