Project Design Phase Proposed Solution Template

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| Date | 15 February 2025 |
| Team ID | PNT2025TMID02539 |
| Project Name | Global Food Production trends and Analysis:A Comprehensive Study from 1961 to 2023 Using Power BI |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | How might we leverage data visualization to uncover critical insights from global food production trends and identify key factors  influencing food security and sustainability? |
| 2. | Idea / Solution description | The solution involves using **Power BI** to  visualize global food production data, identify trends, and uncover insights related to food  security and sustainability. The system will  analyze data patterns, detect inefficiencies, and  highlight factors impacting production and distribution. |
| 3. | Novelty / Uniqueness | The unique aspect of the solution lies in its ability to **dynamically cluster related data insights** and present them through **interactive**  **dashboards**. |
| 4. | Social Impact / Customer Satisfaction | By visualizing and analyzing key factors  affecting global food security, the project helps policymakers and agricultural stakeholders  make informed decisions to **enhance food sustainability** and **reduce wastage**, thereby  contributing to **global food security efforts**. |
| 5. | Business Model (Revenue Model) | The solution can be offered as a **data analytics platform** for agricultural organizations,  governments, and research institutions through  a **subscription model**. Customized insights and reports can be provided as premium services. |
| 6. | Scalability of the Solution | The solution is designed to scale across  different regions and crop types. By integrating data from multiple sources, the platform can  expand to cover various agriculture field. |