Project Design Phase
Proposed Solution Template

Date	15 February 2025
Team ID	PTN2025TMID04678
Project Name	Global Food Production Trends and Analysis (1961-2023) using Power BI
Maximum Marks	2 Marks

Proposed Solution Template:

Sr.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The lack of comprehensive insights into global food production trends from 1961 to 2023 makes it difficult for policymakers, researchers, and businesses to make data-driven decisions.
2.	Idea / Solution description	Develop an interactive Power BI dashboard to analyze food production trends over six decades, providing visual insights into regional variations, crop yields, and the impact of climate and policies.
3.	Novelty / Uniqueness	The dashboard integrates long-term historical data from multiple sources (FAO, World Bank) and provides interactive, real-time filtering for comparative analysis.
4.	Social Impact / Customer Satisfaction	Helps governments, NGOs, and agricultural businesses make informed decisions to ensure food security, optimize supply chains, and address hunger-related issues.
5.	Business Model (Revenue Model)	Freemium model with a basic free dashboard for general users and a premium subscription-based model for advanced analytics and detailed reports for enterprises.
6.	Scalability of the Solution	Can be expanded by integrating real-time satellite data, AI-driven predictions for future food production, and additional datasets for deeper insights.