

Project Design Phase

Problem – Solution Fit Template

Date	03 March 2025
Team ID	PNT2025TMID01141
Project Name	GlobalMalnutritionTrends:A PowerBIAnalysis(1983-2019)
Maximum Marks	2 Marks

Problem – Solution Fit Template:

Problem-Solution fit canvas 2.0

Purpose / Vision

<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 0.8em; font-weight: bold;">Define CS, fit into CC</div> <div style="flex-grow: 1;"> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 100%;"> 1. CUSTOMER SEGMENT(S) Policymakers & Government Agencies, NGOs & Humanitarian Organizations, Healthcare Professionals & Nutritionists, Researchers & Data Analysts </div> <div style="width: 30px; text-align: center; font-size: 0.7em; font-weight: bold; background-color: #f08080; padding: 2px;">CS</div> </div> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 100%;"> 6. CUSTOMER CONSTRAINTS Limited access to real-time, unified data across different organizations, Technical expertise required to analyze complex datasets, Budget limitations for advanced data analysis tools, Data inconsistency between regions and sources. </div> <div style="width: 30px; text-align: center; font-size: 0.7em; font-weight: bold; background-color: #f08080; padding: 2px;">CC</div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 100%;"> 5. AVAILABLE SOLUTIONS Existing Solutions Excel spreadsheets, manual reports, Traditional statistical analysis, Individual NGO databases Pros Familiar tools, Accurate, research-based, Specific regional insights Cons Time-consuming, lacks real-time insights, Not interactive, requires expertise, Data fragmentation, not globally scalable </div> <div style="width: 30px; text-align: center; font-size: 0.7em; font-weight: bold; background-color: #f08080; padding: 2px;">AS</div> </div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 0.8em; font-weight: bold;">Explore AS, differentiate</div>
<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 0.8em; font-weight: bold;">Focus on J&P, tap into BE, understand RC</div> <div style="flex-grow: 1;"> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 100%;"> 2. JOBS-TO-BE-DONE / PROBLEMS Identify historical trends and patterns in malnutrition from 1983-2019, Improve data-driven decision-making for resource allocation and policy implementation, Provide real-time, centralized malnutrition data for intervention planning, Support research and predictive modeling to anticipate future malnutrition crises. </div> <div style="width: 30px; text-align: center; font-size: 0.7em; font-weight: bold; background-color: #f08080; padding: 2px;">J&P</div> </div> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 100%;"> 9. PROBLEM ROOT CAUSE Lack of a centralized data hub integrating global malnutrition statistics, Inefficient tracking of historical and real-time trends, Poor visualization of data, making insights difficult to interpret, Limited predictive analytics for proactive interventions. </div> <div style="width: 30px; text-align: center; font-size: 0.7em; font-weight: bold; background-color: #f08080; padding: 2px;">RC</div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 100%;"> 7. BEHAVIOUR Current Behavior Rely on static reports for policymaking, Use spreadsheets for tracking malnutrition, Refer to WHO/FAO reports for insights Challenges Delayed decision-making, outdated data, Data silos, lack of integration, No interactive visualizations </div> <div style="width: 30px; text-align: center; font-size: 0.7em; font-weight: bold; background-color: #f08080; padding: 2px;">BE</div> </div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 0.8em; font-weight: bold;">Focus on J&P, tap into BE, understand RC</div>
<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 0.8em; font-weight: bold;">Identify strong TR & EM</div> <div style="flex-grow: 1;"> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 100%;"> 3. TRIGGERS Rising malnutrition rates in specific regions, New government policies or international aid programs, Emerging research on food security and nutrition, Need for better monitoring tools in global health initiatives. </div> <div style="width: 30px; text-align: center; font-size: 0.7em; font-weight: bold; background-color: #f08080; padding: 2px;">TR</div> </div> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 100%;"> 10. YOUR SOLUTION Centralized Dashboard: Unifies data from WHO, UNICEF, FAO, and national agencies, Real-time Monitoring: Tracks malnutrition changes across regions dynamically, Interactive Visualizations: Makes complex data easy to understand and analyze, Predictive Analytics: Identifies high-risk areas for proactive policy-making, Custom Reports & Alerts: Enables automated insights for decision-makers. </div> <div style="width: 30px; text-align: center; font-size: 0.7em; font-weight: bold; background-color: #f08080; padding: 2px;">SL</div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 100%;"> 8. CHANNELS of BEHAVIOUR 8.1 ONLINE Power BI Dashboards & Reports, Government & NGO Data Portals, Research Databases & Journals 8.2 OFFLINE Policy Meetings & Conferences, Field Data Collection by NGOs, Surveys & Health Assessments </div> <div style="width: 30px; text-align: center; font-size: 0.7em; font-weight: bold; background-color: #f08080; padding: 2px;">CH</div> </div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 0.8em; font-weight: bold;">Extract online & offline CH of BE</div>

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