

Project Design Phase

Problem – Solution Fit Template

Date	4 March 2025
Team ID	PNT2025TMID04288
Project Name	Global Food Production Trends and Analysis
Maximum Marks	2 Marks

Problem – Solution Fit Template:

Problem-Solution fit canvas 2.0

Purpose / Vision

<p>Define CS, fit into CC</p>	1. CUSTOMER SEGMENT(S) CS <ul style="list-style-type: none"> - Agribusiness companies - Food industry professionals - Government agencies & policymakers - Agricultural researchers & analysts - Supply chain managers in the food industry. 	6. CUSTOMER CONSTRAINTS CC <ul style="list-style-type: none"> - Limited technical expertise to process large datasets. - Budget constraints for advanced analytical tools. - Lack of real-time access to food production insights. 	5. AVAILABLE SOLUTIONS AS <ul style="list-style-type: none"> - Raw data sources (FAO, World Bank) <ul style="list-style-type: none"> - <input checked="" type="checkbox"/> Authentic, large dataset - <input checked="" type="checkbox"/> Hard to analyze without technical skills - Spreadsheets & Manual Reports <ul style="list-style-type: none"> - <input checked="" type="checkbox"/> Simple and widely used - <input checked="" type="checkbox"/> Time-consuming, lacks interactive insights - Other BI Tools (Tableau, Excel dashboards) <ul style="list-style-type: none"> - <input checked="" type="checkbox"/> Offer insights but may lack deep agricultural analytics 	<p>Explore AS, differentiate</p>
	2. JOBS-TO-BE-DONE / PROBLEMS J&P <ul style="list-style-type: none"> - Lack of centralized insights on global food production trends. - Difficulty in tracking crop production growth & decline over time. - No clear regional comparison of food production levels. - Inefficiency in agricultural decision-making due to missing historical trends. 	9. PROBLEM ROOT CAUSE RC <ul style="list-style-type: none"> - Data fragmentation → Global food production data is scattered across sources. - Lack of visualization tools → Raw data is hard to interpret. - Limited accessibility → Not all stakeholders have access to BI tools. 	7. BEHAVIOUR BE <ul style="list-style-type: none"> - Searches for global food production reports. - Uses Excel or basic BI tools to manually analyze data. - Follows government & FAO reports for trends. - Frequently, especially for annual reports, policy changes, and market analysis 	
<p>Focus on J&P, tap into BE, understand RC</p>	3. TRIGGERS TR <ul style="list-style-type: none"> - The need for data-driven agricultural decisions. - Increasing global food demand and security concerns. - The requirement for forecasting future food production trends. 	10. YOUR SOLUTION SL <ul style="list-style-type: none"> - Power BI dashboard for global food production trends. - Interactive visualizations for better insights into crop production patterns. - Regional & yearly comparisons of key agricultural commodities. - Data-driven decision-making for agribusinesses & policymakers 	8. CHANNELS of BEHAVIOUR CH <div> 8.1 ONLINE <ul style="list-style-type: none"> - FAO, World Bank, USDA reports - Power BI dashboards & online databases - Agriculture research websites & government portals </div> <div> 8.2 OFFLINE <ul style="list-style-type: none"> - Industry conferences & summits - Agriculture policy meetings - Farmers & agribusiness workshops </div>	<p>Extract online & offline CH of BE</p>
	4. EMOTIONS: BEFORE / AFTER EM <p>Before solution:</p> <ul style="list-style-type: none"> - Frustration due to scattered and unstructured food production data <p>After solution:</p> <ul style="list-style-type: none"> - Confidence in understanding global food trends. 			

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