

Project Design Phase Problem – Solution Fit Template

Date	15 February 2025
Team ID	PNT2025TMID02532
Project Name	Global Food Production trends and Analysis:A Comprehensive Study from 1961 to 2023 Using Power BI
Maximum Marks	2 Marks

Problem – Solution Fit Template:

Template:

Problem-Solution Fit canvas

Purpose/ Vision

Version:

<div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em; margin-bottom: 5px;">Define CS, fit into CL</div> <div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em; margin-bottom: 5px;">Focus on PR, tap into BE, understand RC</div> <div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em;">Identify strong TR & EM</div>	<div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em; margin-bottom: 5px;">Focus on PR, tap into BE, understand RC</div> <div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em; margin-bottom: 5px;">Focus on PR, tap into BE, understand RC</div> <div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em;">Extract online & offline CH of BE</div>	<div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em; margin-bottom: 5px;">Focus on PR, tap into BE, understand RC</div> <div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em; margin-bottom: 5px;">Focus on PR, tap into BE, understand RC</div> <div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em;">Extract online & offline CH of BE</div>
<div>1. CUSTOMER SEGMENT(S)</div> <p>Farmers and agricultural managers.</p> <p>Limited budgets for new tech <u>adoption</u>, <u>access</u> issues with device.</p>	<div>5. CUSTOMER LIMITATIONS <small>EG. BUDGET, DEVICES</small></div> <p>Integrates environmental data and management data</p> <p>Power BI Dashboards</p>	<div>6. AVAILABLE SOLUTIONS <small>PROS & CONS</small></div> <p>Traditional Methods:</p> <p>Pros: Low cost, culturally familiar</p> <p>Cons: Inaccurate, time-consuming.</p> <p>Technical literacy for interpreting data</p>
<div>2. PROBLEMS / PAINS</div> <p>Difficulty in Predicting Plant Growth Stages</p> <p>Traditional Knowledge and experimenting with tech</p>	<div>6. PROBLEM ROOT/ CAUSE</div> <p>Climate change impacts on productivity.</p> <p>Farmers <u>resists</u> new techniques.</p>	<div>9. BEHAVIOR</div> <p>Behavior: High intensity, demanding precision cost.</p> <p>Intensity: High need for effective production and <u>cost</u>.</p>
<div>3. TRIGGERS TO ACT</div> <p>Rising operational costs.</p> <p>Demand for sustainable agriculture.</p>	<div>7. YOUR SOLUTION</div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Integrates environmental data (temperature, soil moisture) and management data (irrigation, fertilization). </div>	<div>8. CHANNELS OF BEHAVIOR</div> <p>ONLINE</p> <p>Websites, social media, webinars for awareness.</p> <p>OFFLINE</p> <p>Offline: Agricultural expos, workshops, in-field demonstrations.</p>
<div>4. EMOTIONS <small>BEFORE/ AFTER</small></div> <p>Before: Frustration, uncertainty, inefficiency</p> <p>After: Confidence, clarity, control over processes.</p>		

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