

Project Design Phase Problem – Solution Fit Template

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

Problem – Solution Fit Template:

Template:

Problem-Solution Fit canvas

Purpose/ Vision
Version:

<div style="background-color: #f0f0f0; padding: 2px; font-size: x-small; text-align: center;">Define CS, fit into CL</div> <p>1. CUSTOMER SEGMENT(S) Farmers and agricultural managers. Limited budgets for new tech <u>adoption, access</u> issues with device.</p>	<div style="background-color: #f0f0f0; padding: 2px; font-size: x-small; text-align: center;">5. CUSTOMER LIMITATIONS EC: BUDGET, DEVICES</div> <p>Integrates environmental data and management data Power BI Dashboards</p>	<div style="background-color: #f0f0f0; padding: 2px; font-size: x-small; text-align: center;">. AVAILABLE SOLUTIONS PROS & CONS</div> <p>Traditional Methods: Pros: Low cost, culturally familiar Cons: Inaccurate, time-consuming. Technical literacy for interpreting data</p>
<div style="background-color: #f0f0f0; padding: 2px; font-size: x-small; text-align: center;">Focus on PR, tap into BE, understand RC</div> <p>2. PROBLEMS / PAINS Difficulty in Predicting Plant Growth Stages Traditional Knowledge and experimenting with tech</p>	<div style="background-color: #f0f0f0; padding: 2px; font-size: x-small; text-align: center;">6. PROBLEM ROOT/ CAUSE</div> <p>Climate change impacts on productivity. Farmers <u>resists</u> new techniques.</p>	<div style="background-color: #f0f0f0; padding: 2px; font-size: x-small; text-align: center;">9. BEHAVIOR</div> <p>Behavior: High intensity, demanding precision cost. Intensity: High need for effective production and <u>cost</u>.</p>
<div style="background-color: #f0f0f0; padding: 2px; font-size: x-small; text-align: center;">Identify strong TR & EM</div> <p>3. TRIGGERS TO ACT Rising operational costs. Demand for sustainable agriculture.</p>	<div style="background-color: #f0f0f0; padding: 2px; font-size: x-small; text-align: center;">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 style="background-color: #f0f0f0; padding: 2px; font-size: x-small; text-align: center;">8. CHANNELS OF BEHAVIOR</div> <p>ONLINE Websites, social media, webinars for awareness.</p> <p>OFFLINE Offline: Agricultural expos, workshops, in-field demonstrations.</p>

4. EMOTIONS BEFORE/ AFTER

Before: Frustration, uncertainty, inefficiency
After: Confidence, clarity, control over processes.

EM

CH

Extract online & offline CH of BE