

Project Design Phase

Problem – Solution Fit Template

Date	3 March 2025
Team ID	PNT2025TMID02625
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: #f8d7da; padding: 2px; font-size: x-small; text-align: center;">Define CS, fit into CL</div> <p>1. CUSTOMER SEGMENT(S) Farmers and agricultural managers.</p> <p>Limited budgets for new tech <u>adoption</u> <u>access</u> issues with device.</p> <p style="text-align: right; font-size: x-small;">* ITS FREQUENCY</p>	<div style="background-color: #fff3cd; padding: 2px; font-size: x-small; text-align: center;">5. CUSTOMER LIMITATIONS EC. BUDGET, DEVICES</div> <p>Integrates environmental data and management data</p> <p>Power BI Dashboards</p>	<div style="background-color: #fff3cd; 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> <p style="text-align: right; font-size: x-small;">ITS INTENSITY</p>
<div style="background-color: #fff3cd; 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</p> <p>Traditional Knowledge and experimenting with tech</p>	<p>6. PROBLEM ROOT/ CAUSE Climate change impacts on productivity. Farmers <u>resists</u> new techniques.</p>	<p>9. BEHAVIOR Behavior: High intensity, demanding precision cost. Intensity: High need for effective production and <u>cost</u>.</p>
<div style="background-color: #d1ecf1; 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> <p>4. EMOTIONS BEFORE/ AFTER</p> <p>Before: Frustration, uncertainty, inefficiency After: Confidence, clarity, control over processes.</p>	<p>7. YOUR SOLUTION Integrates environmental data (temperature, soil moisture) and management data (irrigation, fertilization).</p>	<p>8. CHANNELS OF BEHAVIOR</p> <p>ONLINE Websites, social media, webinars for awareness.</p> <p>OFFLINE Agricultural expos, workshops, in-field demonstrations.</p>

Extract online & offline CH of BE

CH

(Ctrl)