



## Project Design Phase-I Problem – Solution Fit Template

Date	01 october 2022
Team ID	PNT2022TMID49530
Project Name	Project – smart crop protection system
Maximum Marks	2 Marks

**Problem-Solution fit canvas 2.0** Purpose / Vision

<p><b>1. CUSTOMER SEGMENT(S)</b> <span style="float: right;">2.5%</span></p> <p>Who are your customers?</p> <ol style="list-style-type: none"> <li>1. Farmers who need improved yield with smart automation will use this technology.</li> <li>2. Customers also make this choice to improve their farm.</li> </ol>	<p><b>4. CUSTOMER</b> <span style="float: right;">2.5%</span></p> <p>What customer segment (your customers) is creating value for them? Which customer segment is your target market? Which customer segment is your target market?</p> <ol style="list-style-type: none"> <li>1. Farm segment need the smart process.</li> <li>2. Agricultural sector look information of high solutions in IoT.</li> <li>3. For security implementation of automation, cost are not satisfied by farmers.</li> </ol>	<p><b>5. AVAILABLE SOLUTIONS</b> <span style="float: right;">2.5%</span></p> <p>What solutions are available in the market when they face the problem? What solutions are available in the market when they face the problem? What solutions are available in the market when they face the problem?</p> <ol style="list-style-type: none"> <li>1. Ask for customer needs and preferences.</li> <li>2. Offer a solution.</li> <li>3. Understand the needs of farmers.</li> <li>4. They.</li> <li>5. Wide spread to all.</li> <li>6. Increased profit.</li> <li>7. Cuts.</li> <li>8. Company more financial ethics.</li> <li>9. If products are damaged or not working properly, the company will face loss.</li> </ol>
<p><b>2. JOBS-TO-BE-DONE / PROBLEMS</b> <span style="float: right;">2.5%</span></p> <p>What jobs-to-be-done are your customers trying to address? What jobs-to-be-done are your customers trying to address? What jobs-to-be-done are your customers trying to address?</p> <ol style="list-style-type: none"> <li>1. Jobs to be done</li> <li>2. Saving the operators and maintaining.</li> <li>3. Proper monitoring for energy resources.</li> <li>4. Environment and social impact of automation in agriculture.</li> <li>5. This cause reduction of human intervention.</li> <li>6. Disruptions - Hard to reach in remote villages.</li> <li>7. Cost - Setting the system in low budget is difficult.</li> </ol>	<p><b>6. PROBLEM ROOT CAUSE</b> <span style="float: right;">2.5%</span></p> <p>What is the root cause of the problem? What is the root cause of the problem? What is the root cause of the problem?</p> <ol style="list-style-type: none"> <li>1. Analyzing and giving solution.</li> <li>2. The most common mistake people make when equipment used in human error is to be identified.</li> </ol>	<p><b>7. BEHAVIOUR</b> <span style="float: right;">2.5%</span></p> <p>What does your customer do to address the problem? What does your customer do to address the problem? What does your customer do to address the problem?</p> <ol style="list-style-type: none"> <li>1. Identify the problem.</li> <li>2. Understand the problem's origin.</li> <li>3. Make suitable choice of solution.</li> <li>4. Implement in field.</li> <li>5. Monitor continuously.</li> </ol>
<p><b>3. TRIGGERS</b> <span style="float: right;">2.5%</span></p> <p>What triggers your customer to act? What triggers your customer to act? What triggers your customer to act?</p> <ol style="list-style-type: none"> <li>1. Through advertisement, customers are triggered in automation.</li> <li>2. Advertisement in agriculture are influenced by various government programs and by social platforms.</li> </ol>	<p><b>10. YOUR SOLUTION</b> <span style="float: right;">2.5%</span></p> <p>What is your solution? What is your solution? What is your solution?</p> <ol style="list-style-type: none"> <li>1. Environment and social impact of automation in agriculture - make profits by innovative approaches in smart way.</li> <li>2. Disruptions - make economies in rural areas and make wider.</li> <li>3. Cost - use cooling systems, high quality sensors at low cost.</li> </ol>	<p><b>8. CHANNELS of BEHAVIOUR</b> <span style="float: right;">2.5%</span></p> <p>What channels of behaviour are available? What channels of behaviour are available? What channels of behaviour are available?</p> <ol style="list-style-type: none"> <li>1. Online.</li> <li>2. This article highlights the potential of wireless sensors and IoT in agriculture, as well as challenges expected to be faced when integrating this technology with traditional farming practices.</li> <li>3. This article highlights the potential of wireless sensors and IoT in agriculture, as well as challenges expected to be faced when integrating this technology with traditional farming practices.</li> </ol>
<p><b>9. CONDITIONS BEFORE / AFTER</b> <span style="float: right;">2.5%</span></p> <p>What conditions are your customer facing before and after? What conditions are your customer facing before and after? What conditions are your customer facing before and after?</p> <p>Before</p> <ol style="list-style-type: none"> <li>1. Crops were severely affected by extreme heat, heavy rainfall, animal grazing and other factors.</li> </ol> <p>After</p> <ol style="list-style-type: none"> <li>1. By this method, plants are protected from all factors that affect plants.</li> </ol>	<p><b>11. SUMMARY</b> <span style="float: right;">2.5%</span></p> <p>What is the summary of your solution? What is the summary of your solution? What is the summary of your solution?</p> <ol style="list-style-type: none"> <li>1. This project will provide protection from animals through smart system.</li> <li>2. Kills insects through automatic spray system.</li> <li>3. We protect crops from excessive heat through begin system.</li> <li>4. Crop yield can be increased by monitoring crop growth.</li> </ol>	

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