

## Project Design Phase-I

### Problem – Solution Fit

Date	03 Oct 2022
Team ID	PNT2022TMID07943
Project Name	Fertilizers Recommendation for Disease Prediction
Maximum Marks	2 Marks

### Problem – Solution Fit Template:

The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem. It helps entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why

### Purpose:

- Solve complex problems in a way that fits the state of your customers.
- Succeed faster and increase your solution adoption by tapping into existing mediums and channels of behavior.
- Sharpen your communication and marketing strategy with the right triggers and messaging.
- Increase touch-points with your company by finding the right problem-behavior fit and building trust by solving frequent annoyances, or urgent or costly problems.
- Understand the existing situation in order to improve it for your target group.

### Template:

PROBLEM SOLUTION FIT			
Title : Fertilizers Recommendation System for Disease Prediction		Team ID : PNT2022TMID07943	
Define CS, fit into CC	1. CUSTOMER SEGMENT(S) <span>CS</span> The farmers who growing crops in their fields	6. CUSTOMER CONSTRAINTS <span>CC</span> Improper Fertilizer Recommendation and Inadequate Knowledge on Various Plant Diseases	5. AVAILABLE SOLUTIONS • Cultivation tips • All pests and diseases that might appear in different stages of the plant • A fertilizer calculator is available to calculate and recommend an accurate amount of fertilizer
	2. JOBS-TO-BE-DONE / PROBLEMS <span>J&amp;P</span> Farmers are concerned about various pathogen diseases that will occur in different stages of plant.	9. PROBLEM ROOT CAUSE <span>RC</span> • Changes in cultivation methods • Inadequate plant protection techniques • Various pathogen Diseases	7. BEHAVIOUR <span>BE</span> To determine the plant diseases by observing the symptoms on the leaves of the plant.
Identify Strong TR & EM	3. TRIGGERS <span>TR</span> Suitable fertilizers recommendation and safe precautions for the growth of the plant	10. YOUR SOLUTION <span>SL</span> A web application that can accurately predict a plant Diseases and recommending a suitable fertilizer for those diseases Introducing a new feature as Government subsidies.	8. CHANNELS of BEHAVIOUR <span>CH</span> ONLINE Promoting through agroservice applications with the help of agriculture researches OFFLINE Requesting the agriculture research persons to visit their fields and take precautionary actions
	4. EMOTIONS: BEFORE / AFTER <span>EM</span> If they faced a problem, they could confidently handle problem and ease to access		