PROJECT DESIGN PHASE - 1

PROBLEM SOLUTION FIT

DATE	30 September 2022
TEAM ID	PNT2022TMID15472
PROJECT NAME	Fertilizer Recommendation System For Disease Prediction
MAXIMUM MARK	2 Marks

Problem Solution Fit:

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) — CS

Farmers is the primary customer for this application.

5. AVAILABLE SOLUTIONS — CC

Farmers judging and identifying the disease in plants by examining the leaf's quality

8.CHANNELS of BEHAVIOUR — AS

8.1 Online : Basic understanding of plant diseases and fertilizers.

8.2 Offline: Farmers attempting to identify the disease by the leaf's quality

Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

2. JOBS-TO-BE-DONE / PROBLEMS — J&P

This application focuses on helping for the farmer who needs a better recommendation of fertilizer on the infested plants, identifying the disease is one of the biggest problem here.

6. CUSTOMER CONSTRAINTS : — RC

Availability of decent network connection. Good device to capture the image with good lighting to get accurate results of disease in the plant

9. PROBLEM ROOT CAUSE : — BE

Unexpected change in climate conditions and insects or worms chomping off the plant.

Focus on J&P, tap into BE, understand RC

Identify strong TR & EM

3. TRIGGERS: — TR

Preventing further spread of disease in plants and facing huge loss in the quality and quantity of crops planted

4. EMOTIONS: — EM

Before: Losing self-confidence, Distress

After: Gaining self-confidence, Relief

7. BEHAVIOUR — SL

Directly: Simplifying the process of disease identification and saving time by suggesting suitable fertilizer

Indirectly: Saving resources and immediate action for the disease identified

10. SOLUTION — CH

Fertilizer has been one of the efficient ways to treat plant diseases. Our application helps in suggesting the suitable fertilizer by identifying the disease through image fed into it.

Identify strong TR & EM