Problem Solution Fit

Purpose / Vision

1. CUSTOMER SEGMENT(S) — CS

Agriculture is the main aspect of country development. Many people lead their life from agriculture field, which gives fully related to agricultural products.

6. CUSTOMER CONSTRAINTS — CC

Admin can store the fertilizers based on disease categorization with severity levels. The measurements of fertilizers suggested based on disease severity.

5. AVAILABLE SOLUTIONS — AS

Support Vector Machine(SVM) SVM is a binary classifier to analyze the data and recognize the pattern for classification. The main goal is to design a hyperplane that classifies all the training vectors in different classes

2. JOBS-TO-BE-DONE / PROBLEMS — J&P

Plant pathologists can analyze the digital images using digital image processing for diagnosis of plant diseases. Application of computer vision and image processing strategies simply assist farmers in all of the regions of agriculture.

9. PROBLEM ROOT CAUSE — RC

The plant leaf diseases are caused by Pathogens which are positioned on the stems of the plants. These different symptoms and diseases of leaves are predicted by different methods in image processing. These different methods include different fundamental processes like segmentation.

7. BEHAVIOUR — BE

Plant leaf disease identification is especially needed to predict both the quality and quantity of the First segmentation step primarily based on a mild polygonal leaf model is achieved

3. TRIGGERS — TR

Some of the triggers are advertisements in the television and information from the experts.

10. YOUR SOLUTION — SL

Farmers are unable to predict the disease earlier and couldn't find the correct fertilizer which would produce high yield. Using Artificial Intelligence we can suggest how to use the sufficient mixture of chemical and bio-fertilizers so that it maximizes the yield and produces healthy crops.

8. CHANNELS of BEHAVIOUR — CH

1. ONLINE
With help of various online channel farmers can predict and gain knowledge about the behaviour of various fertilizers.

8.2 OFFLINE
Buying fertilizers from authorized shops that are rich in multi-vitamin maximizes the yield of the crop.

4. EMOTIONS: BEFORE / AFTER — EM

With the traditional farming were depressed due to the inability to predict the disease which caused low yield but after using AI system they are happy with the high yield of the healthy crops.