Project Design Phase-I Problem - Solution Fit

Date	04 October 2022
Team ID	PNT2022TMID19698
Project Name	Fertilizers Recommendation System For Disease Prediction
Maximum Marks	2 Marks

1. CUSTOMER SEGMENT(S)

6. CUSTOMER CONSTRAINTS

5. AVAILABLE SOLUTIONS

- The foremost users of the application are going to be the Farmers and people interested in farming
- Financial instability is a fundamental reason for technological improvement
- Networking capabilities may be insufficient in remote areas
- To predict the disease plant image have to be uploaded
- Some past tries of the farmer include manual detection of disease and fertilizer purchase
- Pros of the solution include fast and reliable fertilizer recommendation

2. JOBS-TO-BE-DONE / PROBLEMS

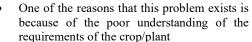






- o Crops/plants get affected by insects or by any other plant disease
- o Leaves/roots of the plant may get affected by its own nutrition deficiency
- o Plants may also be spoiled by extreme weather conditions
- o Irrespective of conditions. external irregular/dull manual maintenance can cause delays in plants

9. PROBLEM ROOT CAUSE



- As there is a decrease in the yield of many Indian varieties, the software system would be indispensable
- The farmers can adapt their culture to automation for the betterment of yield

7. BEHAVIOUR



- Farmers can use the web application functionalities like computer vision to detect the plant disease and recommend the correct fertilizer
- Thereby finding the necessary features in the application is significant

3. TRIGGERS



10. YOUR SOLUTION

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8. CHANNELS of BEHAVIOUR



Social media platforms and daily television/new or newspaper impact people mentality to upgrade into a new and easy life lifestyle of automation and seeing their neighbor using new technology, reading about a more efficient solution in the news

on the soil condition

Finding cause and recommending fertilizer by detecting the image instantly and displaying the nearby fertilizer shops. Recommending crops based

Customer can upload the image of the diseased plant and wait for the processed recommendation from the system. They can view the nearby fertilizer shop

8.2 OFFLINE

8.1 ONLINE

4. EMOTIONS: BEFORE / AFTER

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Identify strong



Customers may get stressed after facing a technical error, fertilizer does not render an expected yield or slow processing of the system

People may get an assistance of experienced people to know the disease and then look for homemade remedies to cure the infected plants

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