PROJECT DESIGN PHASE - I

PROBLEM SOLUTION FIT

Date	04 October 2022
Team ID	PNT2022TMID42993
Project Name	Fertilizers Recommendation System For Disease Prediction
Maximum Marks	2 Marks

1.CUSTOMER SEGMENT(S) CS

The foremost users of the application are going tobe the Farmers and people interested in farming

6. CUSTOMER CONSTRAINTS CC

Financial instability is a fundamental reason for technological improvement. Networking capabilities may be insufficient inremote areas

5. AVAILABLE SOLUTIONS AS

To predict the disease plant image have to be uploaded .Some past triesof 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

Crops get affected by insects or by anyother plant disease .Leaves/roots of the plant may get affected by itsown nutrition deficiency .Plants may also be spoiled by extremeweather conditions .Irrespective of external conditions ,dull manual maintenance can cause delays inplants

9. PROBLEM ROOT CAUSE RC

One of the reasons that this problem exists is because of the poor understanding of the requirements of the crop. .As there is a decrease in the yield of many Indian varieties, the software system would be indispensable .The farmers can adapt their culture toautomation for the betterment ofyield

7. BEHAVIOUR BE

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 TR

Social media platforms and daily television or newspaper impact t 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

4. EMOTIONS: BEFORE / AFTER EM

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

10. YOUR SOLUTION SL

Finding cause and recommending fertilizer by detecting the image instantly and displaying thenearby fertilizer shops. Recommending crops basedon the soil condition

8.CHANNELS OF BEHAVIOUR CH

ONLINE

- 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

OFFLINE

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

Identify strong TR & EM

tract online & offline CH of BE