PROJECT DESIGN PHASE – 1 SOLUTION FIT TEMPLATE

Project Title : FERTILIZER RECOMMENDATION SYSTEM FOR DISEASE PREDICTION

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Define CS, Fit into CC

1.CUSTOMER SEGMENT CS

In order to recommend the fertilizer, which are essential for supporting crop on land from some diseases before it affects.

The deviation is caused by insects and changes in the Climate.

6.CUSTOMER CONSTRAINTS CC

It should be economically low.

Efficient fertilizer should be used and Detect the accurate disease.

Life time of the project should be high.

5.AVAILABLE SOLUTIONS AS

For the purpose of detecting diseases, existing systems use optical sensors,

The sensors alert the farmers to detect the disease previously.

Explore As , Differentiate

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

2.JOBS -TO-BE-DONE / PROBLEMS J&P

By detecting the disease which affects the crop and fine particulate matter into the environment, the main issue is weather and climate. As a result, the sensors can detect disease or any insects that comes to the crop like butterfly, bees etc…

9.PROBLEM ROOT CAUSE RC

The following are some rationals

1.Main reason is the climate change and weather.

2.The insects that come to eat the crop, and affected by some birds.

7.BEHAVIOUR

When disease is detected the system which is implemented to monitor the crops sets the intimation to farmers, that is it gives the signal through the sensors to farmers and recommend the fertilizer that cure the particular disease. Thus, the aim is to recognise the disease and recommend the fertilizer before the disease cause further damage. BE

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

3.TRIGGERS TR

10.YOUR SOLUTION SL

8.CHANNELS OF BEHAVIOUR CH

Identify stro

ng TR & EM

Due to the existence of a more insects ,it cause more diseases, due to many diseases the farmers faces more struggle to get yields in large scale.

4.EMOTIONS : BEFORE / AFTER

EM

Farmers be patient about the disease, before they think more about the crops disease, after this the farmers can easily be fertilize crop.

We have presented a method to detect disease from sensors and using CCTV camera surveillance, Which can detect disease in both indoor and outdoor activities. In order to recommend the fertilizer for disease that affecting the crop.

Online detection : As a result, the chatbot or the API can connect over the internet to provide you with information on the crop's present condition.

Offline Detection : As a result, the farmers can notify the crop's condition directly.

Identify strong TR & EM