Project Design Phase-I - Solution Fit

Project Title: IOT Based Smart Crop Protection System For Agriculture.

Team ID: PNT2022TMID30731

Define CS, fit into CC

1. CUSTOMER SEGMENT(S)



The customers who are going to adapt this project contains of Large scale farmers.

6. CUSTOMER CONSTRAINTS

- 1) High adoption costs, security concerns.
- 2) Not aware of the implementation of IOT in agriculture.
- 3) Use it according to the climate change.

CC

5. AVAILABLE SOLUTIONS



Explore AS, differentiate

Monitor different parameters and mobile or web application make easily to farm the crop fields .

Focus on J&P, tap i

2. JOBS-TO-BE-DONE / PROBLEMS



It requires an unlimited or continuous internet connections to be successful. Sensor did not work properly all the time.

9. PROBLEM ROOT CAUSE

If temperature, PH level,

humidity and light intensity

environment.

makes the serious cause for the



7. BEHAVIOUR

RE

Located in rural where internet connectivity might not be strong enough to facilitate fast transmission speeds. The customer will give the proper products in the crop. us on J&P, tap into BE, understand l

3. TRIGGERS



Create opportunities to lift people out of poverty in developing nations .smart farming reduces the ecological footprint.

4. EMOTIONS: BEFORE / AFTER



Before:

Farmers can't protect the crops until 24 hours.

After:

Farmers can easily protect the crops until 24 hours.

10. YOUR SOLUTION



"IOT based Smart crop protection system for agriculture" It help farmers grow more food on less land by protection crops from pests, diseases and weeds as well as raising productivity per hectare. The sensors and drones sensed information from field and protect the crop.

8.CHANNELS of BEHAVIOUR



8.1 ONLINE

The Data send through application and sensor data will send to the farmer.

8.2 OFFLINE

The control action is taken by the farmers to monitor the farms .Through the immediate reaction.

Extract
Online
and
offline
CH of
BE