Problem-Solution fit canvas 2.0

IOT Based Smart Crop Protection System in Agriculture Field

Define CS, fit into CC

CUSTOMER SEGMENT(S)　CS

According to our problem statement the Farmer is a Customer.the Farmer is a person engaged in agriculture,raising living oraganisms for food or raw material.

CUSTOMER CONSTRAINTS　CC

Our smart crop protection system is within budget, requires only a network connection to operate, and is compatible with all smart devices.

AVAILABLE SOLUTIONS　AS

When the notification option is not working then an emergency call or message would be passedon to the farmers.

Explore AS, differentiate

Focus on J&P, tap into

JOBS-TO-BE-DONE / PROBLEMS　J&P

The Crop tracker application helps us in all possible ways, to monitor crops and farm lands and it should notify the farmer's fields whether their crops are facing any issue or danger.

PROBLEM ROOT CAUSE　RC

Due to these shortcomings, there would be no information sharing from the field to the farmer, and there would be no use without a network connection. Because of how the world runs on networks, our crop proection system likewise uses an internet connection.

BEHAVIOUR　BE

The Customers can reach the customer service in case of any problem and they will responded immediately.The customers can also give review about the application for further improvement of the application.

Focus on J&P, tap int

Identify strong TR & EM

TRIGGERS:　TR

If a farmer has one or two farm fields, it will be simple for him to assign a human source to track the development and activities of crops. However, if he had more farm fields than acres, it would be difficult to monitor every crop at once, and more people would be needed to do so. Therefore, implementing the IOT-based crop monitoring system would be simpler. By using mobile applications, it will deliver all crop-related actions to our handsets and provide us with all data on a regular basis.

EMOTIONS:　EM

The Farmer feel sad due to Animals and birds attack the field.
The Farmer feel Happy because of automatically monitoring the fields.

YOUR SOLUTION:　SL

Our Solution to Crops is to create a crop growth tracker to observe the crops activities and their health, moisture level,temperature limits and prevent the crops from animals and birds. We can easily notified by using this system by getting information about crops and farm fields at regular intervals through mobile applications.

CHANNELS of BEHAVIOUR　CH

If it is in online mode, the customers can make a report in the helpsection present in the setting option.

If it is in offline mode, the customers can directly send a feedbackmail or message to the manufacturer

Extract online & offline CH of BE