Problem-Solution fit canvas 2.0

IOT Based Smart Crop Protection System for Agriculture

Define CS, fit into CC

1.CUSTOMERSEGMENT(S) CS

Who is your customer?

According to our problem statement farmers and agriculturalist who works on various fields and crop production.

6.CUSTOMERCONSTRAINTS CC

What constraints prevent your customers from taking action or limit their choices of solutions?

This IOT based smart crop protection system is user friendly and require 24 hours monitoring system with a proper network connectivity implemented into a mobile application.

5.AVAILABLESOLUTIONS AS

Which solutions are available to the customers when they face the problem or need to get the job done? What have they tried in the past? What pros &cons do these solutions have?

When the sensor detects any sort of problems taking place in their crop fields it will automatically notify the person who is outside the field.

ExploreAS,differentiate

Focus on J&P, tap into

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

Which jobs-to-be-done (or problems) do you address for your customers?

This system should be able to sense the problems taking place in the field such as animals damaging crops, birds feeding on crops and other issues taking place in crop field is sensed and immediately notify the owners

9.PROBLEMROOTCAUSE RC

What is the real reason that this problem exists? What is the back story behind the need to do this job?

Various crops are getting damaged due to external factors such as Animals, Birds, Insects involves in spoiling the growth of crops which in return reduce the production to a greater extent.

Such situations can be overcome by using IOT based smart crop protection system for agriculture which senses and warns the user about the issue in the field.

7.BEHAVIOUR BE

What does your customer do to address the problem and get the job done?

If the customer faces any issue with the system he can report it in the settings and after receiving the report the authorities will the send an email to the customer regarding their response and the problem will be addressed.

Focus on J&P, tap int C

Identify strong TR&EM

3.TRIGGERS TR

What triggers customers to act? i.e.seeing their neighbor installing

For example, if there is any agricultural field in your area and the owners are facing issues in their field then this IOT based smart crop protection system could act quickly, and sense the problem using sensors and inform the user regarding that.

4.EMOTIONS:BEFORE/AFTER EM

How do customers feel when they face a problem or a job and afterwards?

At first the customers might feel frustrated when they came to know about the issues happening in their field and would worry about the production. If they can early detect these problems then they can save their crops from getting damaged.

10.YOURSOLUTION SL

If you are working on an existing business, write down your current solution first, fill in the canvas ,and check how much it fits reality.
If you are working on a new business proposition, then keep it blank until you fill inthe canvas and come up with a solution that fits within customer limitations ,solves a problem and matches customer behavior.

Our solution is to effectively and quickly sense the problem in the field and notify the customer about it through a mobile application. It will be faster and safer way and gives the customer sufficient amount of time to think about resolving the issues in the field .

8. CHANNELSofBEHAVIOUR CH

8.1 ONLINE

What kind of actions do customers take online?

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

8.2 OFFLINE

What kind of actions do customers take offline?

If it is in offline mode, the customers can directly send a feedback either by in person to the manufacture or through phone call.

Extract online & offline CH of BE

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