Extract online & offline CH of BE

Explore AS

differentiate

Focus on J&P, tap into BE, understand

1. CUSTOMER SEGMENT(S)

i.e. working parents of 0-5 v.o. kids

Who is your customer?

CS

Farmers are the main and prime customers of this project.

6. CUSTOMER CONSTRAINTS

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

Limited data about the plant diseases and new

diseases unable to diagnose with the help of

of solutions? i.e. spending power, budget, no cash, network connection, available devices.

CC

RC

SL

5. AVAILABLE SOLUTIONS

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? i.e. pen and paper is an alternative to digital notetaking

Nowadays soil based fertilizer recommendation system and plant leaf disease prediction and fertilizer recommendation using deep learning are some of the available alternate solutions

2. JOBS-TO-BE-DONE / PROBLEMS

Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides.

Detection and recognition of plant diseases using machine learning are very efficient in providing symptoms of identifying diseases at its earliest. Plant pathologists can analyze the digital images using digital image processing for diagnosis of plant diseases. Application of computer vision and image processing strategies simply assist farmers in all of the regions of agriculture.

J&P

9. PROBLEM ROOT CAUSE

available dataset

What is the real reason that this problem exists?
What is the back story behind the need to do this job?
i.e. customers have to do it because of the change in regulations.

Generally, the plant diseases are caused by the abnormal physiological functionalities of plants. Therefore, the characteristic symptoms are generated based on the differentiation between normal physiological functionalities and abnormal physiological functionalities of the plants. Mostly, the plant leaf diseases are caused by Pathogens which are positioned on the stems of the plants.

7. BEHAVIOUR

BE

What does your customer do to address the problem and get the job done? i.e. directly related: find the right solar panel installer, calculate usage and benefits; indirectly associated: customers spend free time on volunteering work (i.e. Greenpeace)

Easy to use .

can be able to respond quickly.

Able to provide precise decision based on the disease analysis.

Requirement of internet speed.

3. TRIGGERS

What triggers customers to act? i.e. seeing their neighbour installing solar panels, reading about a more efficient solution in the news.

Helping the farmer to take a precise decision on fertilizer for the curing of diseases in crops and plants with the help of automated analysis

4. EMOTIONS: BEFORE / AFTER

EM

TR

How do customers feel when they face a problem or a job and afterwards? i.e. lost, insecure > confident, in control - use it in your communication strategy & design.

It helps the farmers to take a precise decision on fertilizers

and increase their yield and productivity of crops.

10. YOUR SOLUTION

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 in the canvas and come up with a solution that fits within customer limitations, solves a problem and matches customer behaviour.

The system is built which uses this model .The system that provides fertilizer recommendation based on the prediction and diagnosing of leaf diseases which are depending on the segmentation such as segmenting the healthy tissues from diseased tissues of leaves.

8. CHANNELS of BEHAVIOUR



8.1 ONLIN

What kind of actions do customers take online? Extract online channels from #7

The farmers need to access the system.

8.2 OFFLINE

What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development.

Store the data and information being transferred.



