1. CUS I 'OMER SEGMEN I'(S)

Who is vouí customeí?

Project Title: Smart Farmer - IoT Enabled

Smart Farming Application



l'he customeí foí this píoduct is a faímeí who gíows cíops. Ouí goal is to help them, monitoí field paíameteís íemotely. I'his píoduct saves agíicultuíe fíom extinction

6. CUST'OMER



What constíaints píevent youí customeis fíom taking action oi limit theií choices of solutions? i.e. spending poweí, budget, no cash, netwoík connection, available devices.

Using a laíge numbeí of sensoís is difficult. An unlimited oí continuous inteínet connection is íequiíed foí success.

5. AVAILABLE SOLUTIONS



Explore AS, differentiate

Which solutions are available to the customers when they face the problem

of need to get the job done? What have they tfied in the past? What pfos & cons do these solutions have? i.e. pen and paper

l'he iíiigation píocess is automated using lol'. Meteoíological data and field paíameteís weíe collected and píocessed to automate the iíiigation píocess. Disadvantages aíe efficiency only oveí shoít distances, and difficult data stoíage.

2. JOBS-l'O-BE-DONE / PROBLEMS



Which jobs-to-be-done (of píoblems) do you addiess foi your customers? I'here could be more than one; explore different sides.

l'he puípose of this píoduct is to use sensoís to acquiíe vaíious field paíameteís and píocess them using a centíal píocessing system. I'he cloud is used to stoíe and tíansmit data using lol'. I'he Weatheí API is used to help decisions. Faímeís can make decisions thíough mobile applications.

9. PROBLEM ROO1' CAUSE



What is the feal feason that this pfoblem exists? What is the back

Fíequent changes and unpíedictable weatheí and climate made it difficult foí faímeís to engage in agíicultuíe. I'hese factoís play an impoítant íole in deciding whetheí to wateí youí plants. Fields aíe difficult to monitoí when the faímeí is not at the field, leading to cíop damage.

7. BEHAVIOUR



What does you' custome' do to addiess the pioblem and get the job done?

i.e. difectly felated: find the fight solaf panel installef, calculate usage and benefits; indifectly associated: custome's spend ffee time on volunteefing work (i.e. Gieenpeace)

Use a píopeí díainage system to oveícome the effects of excess wateí fíom heavy íain. Use of hybíid plants that aíe íesistant to pests.

s on J&P, tap into BE, understand R

3. **■**'RIGGERS



What triggers custOmers tO act? i.e., seeing their neighbOr installing sOlar panels, reading abOut a mOre efficient sOlution in the news.

Faímeís stíuggle to píovide adequate iíiigation. Inadequate wateí supply íeduces yields and affects faímeís' píofit levels. Faímeís have a haíd time píedicting the weatheí.

4. EMOTIONS: BETORE / ATTER



How do customeis feel when they face a pioblem of a job and aftefwaids? i.e. lost, insecure > confident, in control - use it in your communication strategy & design.

BEFORE: Lack of knowledge in weather forecasting →Random decisions →low yield.

AFI'ER: Data fíom íeliable souíce → coííect decision →high yield

10. YOUR SOLU TION



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.

Ouí píoduct collects data fíom vaíious types of sensoís and sends the values to ouí main seíveí. It also collects weatheí data fíom the Weatheí API. I'he final decision to iíiigate the cíop is made by the faímeíusing a mobile application.

8. CHANNELS of BEHAVIOUR



8.1 ONLIN

What kind of actions do customeis take online? Extiact online channels fiom #

8.2 OÏÏLINE

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

ONLINE: Píoviding online assistance to the faímeí, in píoviding knowledge íegaíding the pH and moistuíe level of the soil. Online assistance to be píovided to the useí in using the píoduct

OFFLINE: Awaieness camps to be oiganized to teach the impoitance and advantages of the automation and loli in the development of agiicultuie.

