

DefineCS,fitintoCC

1.CustomerSegment(S)

Whoisyourcustomer?
i.e.workingparentsof0-5y.o.kids

The customer for this product is a farmerwhogrowscrops.Ourgoalistohelpthem,monitor field parameters remotely. Thisproductsavesagriculturefromextinction.

6.CustomerConstrains

Whatconstiaintspieventyouicustomerisfomtakingactionoilmittheiichoiceofsolutions?
i.e.spendingpowei,budget,nocash,netwoikconnection,availabledevi
ces

Usingmanysensorsisdifficult.Anunlimitedor continuousinternetconnectionisrequiredforsuccess.

AVAILABLESOLUTIONS

Which solutions aie available to the customeis when they facethe problem. oi need to get the job done? What have they tiedin the past? What pios & cons do these solutions have?
i.e.penandpaper

TheirrigationprocessisautomatedusingIoT.Meteorologicaldataandfieldparameters were collected and processed toautomatetheirrigationprocess.Disadvantages are efficiency only over shortdistances,and difficultdatastorage.

ExploreAS,differentiate

FocusonJ&P,tapintoBE,understandRC

2.JOBS-TO-BE-DONE/PROBLEMS

—
customeis? theiecouldbemoiethan one;exploiediffeientsides.

The purpose of this product is to use sensorstoacquirevariousfieldparametersandp rocessthemusingacentralprocessingsystem.T hecloudisusedtostoreandtransmit data using IoT. The Weather API isusedtohelpfarmersmakedecisions.Farmersc annakedecisionsthroughmobileapplications.

9.PROBLEMROOTCAUSE

What is the ieal reason that this problem exists? What isthebackstoybehindtheneedtodothisjob?

Frequentchangesandunpredictableweathera nd climate made it difficult for farmers toengage in agriculture. These factors play animportant role in deciding whether to wateryourplants.Fieldsaredifficulttomonitor when the farmer is not at the field, leading tocropdamage.

7.BEHAVIOUR

What doesyoui customeido toaddress theproblem andget thejobdone?
i.e. Diectly elated: find the right solai panel installei, calculateusage and benefits; indiectly associated: customeis spend feetime onvolunteeing woik (i.e.Greenpeace)

Use a proper drainage system to overcometheeffectsofexcesswaterfromheavyrain.Use of hybrid plants that are resistant topests.

FocusonJ&P,tapintoBE,understandRC

3. TRIGGERS



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

Farmers struggle to provide adequate irrigation. Inadequate water supply reduces yields and affects farmers' profit levels. Farmers have a hard time predicting the weather.

4. EMOTION'S: BEFORE / AFTER



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

AFTER: Data from reliable source → correct decision → high yield.

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 behavior.

Our product collects data from various types of sensors and sends the values to our main server. It also collects weather data from the Weather API. The final decision to irrigate the crop is made by the farmer using a mobile application.

8. CHANNELS OF BEHAVIOUR



8.1 ONLINE

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

8.2 OFFLINE

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

ONLINE: Providing online assistance to the farmer, in providing knowledge regarding the pH and moisture level of the soil. Online assistance to be provided to the user in using the product.

OFFLINE: Awareness camp to be organized to teach the importance and advantages of the automation and IoT in the development of agriculture.