Problem-Solution fit canvas 2.0

A novel method for handwritten digit recognition system using AI

Purpose / Vision

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) | CS

Who is your customer?
i.e. working parents of 0-5 y.o. kids

Bank officers
Students
Post officers

6. CUSTOMER CONSTRAINTS | CC

What constraints prevent your customers from taking action or limit their choices of solutions? i.e. spending power, budget, no cash, network connection, available devices.

Internet facilities
Spending time
Appropriate data

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

To detect the handwritten digit based on the handwritten digit size, style, thickness ,easy to detect by the computer...5. To detect the handwritten digit based on the handwritten digit size, style, thickness ,easy to detect by the computer...Recognize the digits from images, touch screen, documents

Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

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

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

Low quality image leads to wrong prediction of digits
Inappropriate data leads to errors

9. PROBLEM ROOT CAUSE | RC

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.

Take more time to recognize the digits ,
Difficult to identify the different handwritten digits

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)

Needs faster experienced workers,
Customers spend their free time
Needs more members to recognize

Focus on J&P, tap into BE, understand RC

Identify strong TR & EM

3. TRIGGERS | TR

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

Reading about a more efficient solution in a relevant article ,
Online searching

4. EMOTIONS: BEFORE / AFTER | EM

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.

BEFORE: Confused, frustrated
AFTER :Calm , in control

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

. To identify the handwritten digits of different styles , sizes
To identify the digits in images, pdf documents in faster and efficient way

8. CHANNELS of BEHAVIOUR | CH

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

Through online articles ,

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

Through experts

Extract online & offline CH of BE

AMALTAMA