Project Design Phase-I - Solution Fit Template

Define CS, fit

1. CUSTOMER SEGMENT(S)

Who is your customer?

The customers are people who wanted to convert handwritten documents into digit like in Bank, educational institutions, students etc.,

6. CUSTOMER CONSTRAINTS

1.Accuracy of the conversion

2.Identification of all kinds of handwriting overcoming the complexity

3.Computational speed

5. AVAILABLE SOLUTIONS

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

1.Manual recognition of handwritten documents

2.Less accurate text scanning applications

Explore AS,

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.

1.Identifications of all different handwritings of different complexity levels.

2.Highly accurate conversion into digits

3.Applications in various fields

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?

There are different forms of hand writings in different complexity levels this will make the development of a system very complex to achieve the high level of accuracy.

7. BEHAVIOUR

BE

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)

Capturing Good quality images of the handwritten documents to get high accuracy in digit recognition.

Focus on J&P, tap into BE,

3. TRIGGERS

TR

The need for the conversion of handwritten to digits

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-Time consuming, Manually tiring, High complexity

After-Effortless process, Fast conversion, Highly accurate

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.

The Handwritten digit recognition system which uses the image of a digit and recognizes the digit present in the image. Convolutional Neural Network model over the MNIST dataset to recognize handwritten digits can be deployed.

8. CHANNELS of BEHAVIOUR

CH

8.1 ONLINE

Good internet connection for the working of application

8.2 OFFLINE

Capturing good quality images.

Identif