Problem-Solution fit canvas 2.0

Purpose / Vision

1. CUSTOMER SEGMENT(S)

CS

J&P

6. CUSTOMER CONSTRAINTS

CC

5. AVAILABLE SOLUTIONS

Traditional systems of handwritten recognition have relied on manual feature and vast prior knowledge base.

Online Lecturers, clerks/clerical work, students, document digitizers

Network connectivity, low quality images, bad handwritting, damaged documents

2. JOBS-TO-BE-DONE / PROBLEMS

9. PROBLEM ROOT CAUSE

RC

7. BEHAVIOUR

BE

People can struggle to read others'
handwriting making manual conversion
of written digits to digital equivalent.
General problem is to automate the
process in a reliable manner.

Need for digitisation and/or

beautification of handwritten digits

Exhaustion, Frustration

Satisfied, Productive

4. EMOTIONS: BEFORE / AFTER

Variability in handwritten text. Makes a fixed model to detect digits in-sufficient.

A model capable of accomodating variance in symbols is necessitated.

Digits must be written in a generally legible manner over a distinguishible background so as to ensure the digit is clearly visible.

3. TRIGGERS

TR

EM

10. YOUR SOLUTION

Use a trained AI Neural Network to recognize digits and relevant symbols. The use of a Neural Network ensures accuracy and efficiency as well as lightweightness of the detector yielding upto 99% accuracy on average digits.

8. CHANNELS of BEHAVIOUR

СН

Extract online & offline CH of BE

Extract online channels from behaviour block

8.2 OFFLINE

8.1 ONLINE

Extract offline channels from different handwriting styles.

Identify strong TR & EM

Define CS, fit into CC

CC (I) (S) (E)

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