## 1. CUSTOMER SEGMENT(S)

CS

### 6. CUSTOMER CONSTRAINTS

CC

#### 5. AVAILABLE SOLUTIONS

One who wants to extract digits from handwritten text images

Unclear image will not give accurate results.

Traditional systems of handwriting recognition have relied on handcrafted feature and a large amount of prior knowledge.

#### 2. JOBS-TO-BE-DONE / PROBLEMS

J&P

#### 9. PROBLEM ROOT CAUSE

RC

#### 7. BEHAVIOUR

BE

Explore AS, differentiate

Focus on J&P, tap into BE, understand

Extract online & offline CH of BE

People can struggle to read others' handwriting. The handwritten digits are not always of the same size, width, orientation as they differ from writing of person to person, so the general problem would be while classifying the digits.

The issue is that there's a wide range of handwriting good and bad. This makes it tricky for programmers to provide enough examples of how every character might look.

It uses Artificial Neural Network

to recognize them. Neural

Network is used to train and identify written digits. After

training and testing, the

accuracy rate reached 99%. This

accuracy rate is very high.

Customers must try with clear image and neat handwriting to get accuracy in digits

#### 3. TRIGGERS

TR

digits

## 10. YOUR SOLUTION

8. CHANNELS of BEHAVIOUR



When there is need for recognition of handwritten

8.1 ONLINE

Extract online channels from behaviour block

# 4. EMOTIONS: BEFORE / AFTER

frustration, exhausted > curious, satisfied

#### 8.2 OFFLINE

Extract offline channels from different handwriting styles



