1. CUSTOMER SEGMENT(S)

6. CUSTOMER CONSTRAINTS

Explore AS, differentiate

Focus on J&P, tap into BE, understand

Extract online & offline CH of BE

Accountant, person with poor eye sight, cashier in grocery shop.

It is a difficult because most person's handwriting will not similar, scanner or camera work perfect in perfect light condition. It took to much time to process.

Various people's handwriting should be used for train the Al. That should improve the accuracy.

2. JOBS-TO-BE-DONE / PROBLEMS

9. PROBLEM ROOT CAUSE

7. BEHAVIOUR

Online handwriting recognition systems are more accurate than offline systems. Improper usage of the app by the user may lead to problem in recognizing the digits.

A small recognition error may cause the big difference in the end result.

Before processing the image application should verify the photo was taken in correct angle and correct lighting. User should completely aware of instruction of application.

3. TRIGGERS



10. YOUR SOLUTION

8. CHANNELS of BEHAVIOUR



so much work for the user, take too much time taken, poor user friendly.

The handwritten recognition model takes an image as an input and compare the preprocessed digits with the trained datasets and give the output of digits as a text format.

8.1 ONLINE

Online handwriting recognition involves the automatic conversion of text as it is written on a special digitizer where a sensor picks up the pen-tip movements as well as pen-up/pen-down switching.

8.2 OFFLINE

K-NN combined with preprocessing methods can achieve great performance apart from Neural Network when used as a classification algorithm in offline handwritten digit recognition.

4. EMOTIONS: BEFORE / AFTER



Cashier in the grocery shop can attend more customer than usually by manual method.



