Define CS, fit into CC

1. CUSTOMER SEGMENT(S) — CS

Bank officials for check processing, Officials for recognizing license plates

6. CUSTOMER CONSTRAINTS — CC

The usage of computers and software makes it difficult to be used by the people who are not used to work with technology.

5. AVAILABLE SOLUTIONS — AS

There are rarely many solutions and many algorithms (ANN, CNN, SVM, etc.) available for handwriting recognition. Each depends on its optimality and accuracy.

Explore AS, differentiate

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

2. JOBS-TO-BE-DONE / PROBLEMS — J&P

- Real time handwritten digit recognition
- To analyze various solutions
- To choose the optimal solution
- To provide accurate results
- To make it work for huge amounts of data

9. PROBLEM ROOT CAUSE — RC

- The absence of standard format of writing
- Every person having their own style of hand writing
- Having multiple languages and sub dialects
- No accuracy test available

7. BEHAVIOUR — BE

- The customer has to give an image with their handwriting.
- With the results, the customer or any other user easily recognizes despite different handwriting styles
- The result can be used for bank check processing, license plate recognition, etc.

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

Identify strong TR & EM

3. TRIGGERS — TR

People with bad handwritings might scribble which can cause confusion to the customers.

4. EMOTIONS: BEFORE / AFTER — EM

Before using the recognition system different handwriting styles would be difficult to understand and when the system fetches data and gives the result the user feels a sense of satisfaction

10. YOUR SOLUTION — SL

The solution is to make a model which can predict the text from any written format to its respective digital form. A model with neural network is designed which predicts the handwritten digits. A web application can also be developed to improve user interaction. The system should also be updated regularly for bug fixes and stability improvements.

8. CHANNELS of BEHAVIOUR — CH
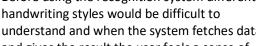
8.1 ONLINE
Upload input data to the application The result of the captured data record is stored in the system in different formats as per the user's needs.

8.2 OFFLINE
After prediction the users can use them for easy recognition of bank checks, license plates, etc.

Identify strong TR & EM