Recognize the digits in cheque.

Project Title: A NOVEL MODEL FOR HANDWRITTEN DIGIT RECOGNITION SYSTEM

TEAM ID: PNT2022TMID07022

1. CUSTOMER SEGMENT(S)

Define CS, fit into CC

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

Identify strong TR & EM

CS

6. CUSTOMER CONSTRAINS:

CC

5. AVAILABLE SOLUTIONS:

AS

The bank manager recognize the digit but is not clear because of unique style of handwriting.

The bank manager can predict the cheque handwritten digit to complete the transaction.

2. JOBS-TO-BE-DONE / PROBLEM:

J&P

9. PROBLEM ROOT CAUSE:

RC

7. BEHAVIOUR:

BE

CH

The cheque hand writing is not clear but the money transaction can not completed

My customer is a bank manager he trying to

Problem cause is hand written is not clear Hence the transaction is not complete

The customer want to money transaction But the bank manager didn't understand the handwritten and digit hence the transaction is not compete

3. TRIGGERS

TR

10. YOUR SOLUTION

 \mathbf{SL}

8. CHANNELS of BEHAVIOUR

Problem is hand written is not clear each check take more time the bank manger had irritated

Use the MINIST Dataset to recognize handwritten digits convolutional neural network model created using pytorch library to solve the problem

4. EMOTIONS:

 $\mathbf{E}\mathbf{M}$

The cheque handwrittendigit is not understand it take more time the hence bank manager annoyed

The customer want to money transaction But the bank manager didn't understand the handwritten and digit it's take more time hence the transaction is not compete he had annoyed

Extract online & offline CH of BE