PROJECT TITLE : A NOVEL METHOD FOR HANDWRITTEN DIGIT RECOGNITION SYSTEM

TEAM ID : PNT2022TMID16152

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) CS

The Bank Employee who makes the transactions through the cheque.

6. CUSTOMER CONSTRAINTS CC

External dependencies are quite expensive and it is not offered by the people, So this process overcome the problem through their installation in mobile.

5. AVAILABLE SOLUTIONS AS

--- Automatic digit recognition

--- In past, people identify the digits to their analysis sometimes it causes wrong transactions.

--- By using this application, they could easily identify the digits

Explore AS, differentiate

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

2. JOBS-TO-BE-DONE / PROBLEMS J&P

Every single has their own style of writing which could not recognize by the computer.

9. PROBLEM ROOT CAUSE RC

Every single has their own style of writing which could not recognize by the computer.

7. BEHAVIOUR BE

To classify the digits in correct way, they could make the transactions easier without any doubtfulness.

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

Identify strong TR & EM

3. TRIGGERS TR

Feel free to make transactions without any fear about their style of writing

4. EMOTIONS: BEFORE / AFTER EM

If the person faces a problem regarding the transactions they could confidently handle the situation by using handwritten digit recognition system

10. YOUR SOLUTION SL

--CNN model could be used to provide very High accuracy in image recognition problems and also reduces the high dimensionality of the images, without losing its information.

--It can be used to convert the handwritten digits to machine readable format.

8. CHANNELS OF BEHAVIOUR CH

ONLINE:

Promoting this application through the mobiles, the transaction could be done at any place without the presence in bank.

OFFLINE:

The identification of the digits which is in the handwritten form directly captured by using mobile application and that could be used to convert the those digits into machine readable forms.

Extract online & offline CH of BE