Problem-Solution fit *DRS 2.0*

Purpose - To assist in recognizing handwritten digits

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Define CS, fit into CC

1. CUSTOMER SEGMENT(S) — CS

Bank employees, Postal mail sorters

6. CUSTOMER CONSTRAINTS — CC

Whether digits are recognized Accurately ?
Is this product trustworthy ?

5. AVAILABLE SOLUTIONS — AS

Designed to recognize only digits, hence much efficient and accurate than OCR

Explore AS, differentiate

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

2. JOBS-TO-BE-DONE / PROBLEMS — J&P

Trustworthy, Fast and accurate recognition of digits.

9. PROBLEM ROOT / CAUSE — RC

People may think that it may not be accurate to predict the digit and not trustworthy. Inaccurate prediction of digits in postal letters and bank cheque causes lot of issues.

7. BEHAVIOUR — BE

Finding the right product that recognizes the digits written in all kinds of handwriting accurately and hastily.

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

Identify strong TR & EM

3. TRIGGERS — TR

Seeing the OCR that recognizes the characters, comes up with a mind to use a handwritten digit recognizer.

4. EMOTIONS: BEFORE / AFTER — EM

Time consuming,frustrating,saves time,no manual effort,less stress

10. YOUR SOLUTION — SL

A handwritten digit recognition system using CNN that is trained with several combinations of handwriitings.

8. CHANNELS of BEHAVIOUR — CH

8.1 ONLINE

The system exhibits the similar behavior as in offline

8.2 OFFLINE

Predicts the digits accurately even in offline

Extract online & offline CH of BE