Project Title: A Novel Method For Handwritten Digit Recognition System   **Project Design Phase-I - Solution Fit Template**

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Define CS, fit into CC	**Explore AS, differentiate**

1. CUSTOMER SEGMENT(S)

Customer are the one who are working with reading handwritten digits manually.
Bank employees and postal mail sorters are the major customers.

6. CUSTOMER CONSTRAINTS

Whether digits are recognized Accurately ?

Is this product trustworthy ?

5. AVAILABLE SOLUTIONS

There are no popular softwares to detect the handwriting , they check with the other people to confirm what number it is .

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

2. JOBS-TO-BE-DONE / PROBLEMS

Sometimes, the Handwritten digits are very hard to understand and interpret . It may lead to errors while dealing with rugged handwritings

9. PROBLEM ROOT CAUSE

Wide variety of writing styles used by different people.

It is easy for the human to perform a task accurately by practicing it repeatedly and memorizing it for the next time

7. BEHAVIOUR

Find a right product that recognizes the digits written in all kinds of handwriting accurately and fast .

3. TRIGGERS	10. YOUR SOLUTION	8. CHANNELS of BEHAVIOUR
To get number accurately and quickly as possible.	The Handwɾitten digit ɾecognition system which uses the image of a digit and ɾecognizes the digit pɾesent in the image. Convolutional Neuɾal Netwoɾk model oveɾ the MNISɾ dataset to ɾecognize handwɾitten digits can be deployed.	Online: Utilizing software that is offered in the online market. Offline: Getting help from the persons nearby in order to recognize the digits written by their customers.

4. EMOTIONS: BEFORE / AFTER

Time consuming ,Manual effort ,Irritated

After: Fast, Less manual effort , Happy customers