Project Design Phase-I -

Team ID: PNT2022TMID24053

1. CUSTOMER SEGMENT:

Here customers are the one who is defined to work with reading handwritten digits. They are present in places like bank, school, college, post offices, etc...

2. JOBS-TO-BE-DONE / PROBLEMS

to understand and interpret at

times. It may cause errors when

dealing with rough handwriting

Handwritten digits can be difficult

6. CUSTOMER CONSTRAINTS

There are no widely used software's to detect handwriting; instead, they check with other people to affirm what number it is.

5. AVAILABLE SOLUTION

Using software that is available on the internet. Obtaining assistance from those nearby in order to recognise the digits written by their customers.

9. PROBLEM ROOT CAUSE

We face numerous challenges in handwritten number recognition. because of different people's jotting styles and the lack of Optic character recognition This investigation offers an in-depth comparison of various machine literacy and deep literacy

7. BEHAVIOUR

RC

Finding the best software for detecting accurate digits in a more efficient manner

3. TRIGGERS

To obtain the numbers accurately and quickly.

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10. YOUR SOLUTION

A solution to this problem is the Handwritten digit recognition system, which uses a picture of a digit and recognises the digit present in the image.

Convolutional Neural Network model built with PyTorch and applied to the MNIST dataset to recognise handwritten digits.

8. CHANNELS of BEHAVIOUR

Utilizing software that is offered in the online market. Enlisting the assistance of nearby people in order to identify the numbers that their clients have scribbled.

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4. EMOTIONS: BEFORE / AFTER	•	
Feels frustrated and sad when numbers are not entered.		