PROBLEM - SOLUTION FIT:

PROJECT NAME: A NOVEL METHOD FOR HANDWRITTEN DIGIT RECOGNITION SYSTEM

TEAM ID: PNT2022TMID19491

1.CUSTOMER SEGMENT(S):

The Customers are the one who deal with handwritten digits like Banking sectors, schools, colleges, railways etc.

6. CUSTOMER CONSTRAINTS

They think that the alternative things may give error and faults and may not be convenient.

5.AVAILABLE SOLUTIONS

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

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

In Handwritten number recognition, we face numerous challenges . because of different styles of jotting of different peoples as it is not an Optic character recognition. This exploration provides a comprehensive comparison between different machine literacy and deep literacy algorithms for the purpose of handwritten number recognition

7.BEHAVIOUR

Finding the right software which detects accurate digits in a more efficient way.

3.TRIGGERS:

To get the numbers accurately and in a fast manner.

4.EMOTIONS:BEFORE/AFTER

Feels frustruated and sad while the numbers are not entered in a correct form and also gets angry and arrogant.

10.YOUR SOLUTION:

The Handwritten digit recognition system is a way to tackle this problem which uses the image of a digit and recognizes the digit present in the image. Convolutional Neural Network model created using PyTorch library over the MNIST dataset to recognize handwritten digits.

8.CHANNELS OF BEHAVIOUR

Taking softwares which are available in the online market .

Getting help from the persons nearby in order to recognize the digits written by their customers.