1. CUSTOMER SEGMENT(S)

People who wants to do the following tasks in online: Numerical identification Recognition of handwritten digits Recognize digits written in forms like cheques etc.

6. CUSTOMER CONSTRAINTS

Spending power Comfortness

5. AVAILABLE SOLUTIONS

Manual handwritten digit recognition



AS, differentiate

Explore

2. PROBLEMS/PAINS

It takes more time to recognize handwritten digits manually.

Some people may scribble the digits, those digits are difficult to understand by a normal person.

We need some others help to recognize digits even if they can't recognize it the certain task takes more time to complete.

manually.

J&P

TR

CS

In this digital world, most of the tasks are done digitally. In case of recognizing handwritten digits it is difficult to recognize it with human efforts. It takes more to recognize digits

9. PROBLEM ROOT CAUSE

RC

SL

CC

7. BEHAVIOUR

The important aspect of our project from a customer point of view is output. Our project behaves as a human brain to recognize digits. Our project can solve the customer's problem of understanding handwritten digits which are not written properly or even scribbled.

BE

СН

3. TRIGGERS

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Feedback from previous users.

Advertisement of our developed project.

Comfortness provided by our product to customers.

10. YOUR SOLUTION

A Novel method for handwritten digit recognition using MNIST dataset and Neural Networks.

8.CHANNELS of BEHAVIOUR

Customers could search the website with the help of ratings and reviews.

Customers could get recommendations from other users who use our product and give it a try to use it.

4. EMOTIONS: BEFORE / AFTER

Before using our product the customer may find it difficult to recognize handwritten digits. It takes more time for them to recognize it.

After using our product they find it easy to recognize handwritten digits because the uploaded images of digits will be recognized quickly.

The time taken is very less when compared to manual recognition...

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