Document an existing experience

Narrow your focus to a specific scenario or process within an existing product or service. In the **Steps** row, document the step-by-step process someone typically experiences, then add detail to each of the other rows.

TEAM ID: PNT2022TMID00426

PROJECT NAME: NOVEL METHOD FOR HANDWRITTEN DIGIT RECOGNITION

DATE: 8/10/2022



Novel method for handwritten digit recognition



Entice

How does someone initially become aware of this process?



Enter

What do people experience as they begin the process?



Engage

In the core moments in the process, what happens?



Exit

What do people typically experience as the process finishes?



Extend

What happens after the experience is over?

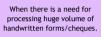


Steps

What does the person (or group) typically experience?



To accurately predict the handwritten digits





Detect the font colours



Recognise using pretrained CNN





Interactions

What interactions do they have at each step along the way?

- People: Who do they see or talk to?
- Places: Where are they?
- Things: What digital touchpoints or physical objects would they use?



Scanners could also a source of inpu



Touch pad devices can also be used for writing the digitd. Detects the poor quality of source image

ecognizing variability and ambiguity of strokes Recognizied digit i presented in form of text or speech People educate others on the dangers of websites stealing

nservations with their eers about a solution for web-phishing



Goals & motivations

At each step, what is a person's primary goal or motivation? ("Help me..." or "Help me avoid...")

Primary goal is to detect handwritten digits from texts

detect the digits from handwritten documents

The main goal is to detect only the digits from the text

The goal at this stage is to detect the angle of the digit and stress on points

The primary goal is identify the handwritten digits processing bank



Positive moments

What steps does a typical person find enjoyable, productive, fun, motivating, delightful, or exciting?

to efficiently
identify the
handwritten digits

andle large volume of data efficiently and effectively Accurately reading the contents of the applicant to avoid misinterpretation or

relatively small number of parameters and hence training is relatively easy and fast can perform recognition driver segmentation



Negative moments

What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming?

sers must have Prior nowledge about the working of the application In case of processing bank cheques, if data is mishandled, critical information could get breached it is not done in real time as a person writes and therefore not appropriate for

it requires much more computation than more standard OCR techniques

run as fast as ti user would like



Areas of opportunity

How might we make each step better? What ideas do we have? What have others suggested? When processing the bank checks

It can be used in then OCR is needed in the documents Biggest opportunity is to recognize the digits from handwritten documents It can be used when digits are overwritten

and postal zip codes.

To detect the strok digits from andwritten form

One of the main th provide the accura efficient result