## Says

What have we heard them say? What can we imagine them saying?

Computer vision works on enabling computers to see and process images in the same way that human vision do

Is it reliable or not

Will it recognise different handwritten styles

Handwriting recognition is not a new technology, but it has not gained public attention until recently.

Accuracy rate of 100%
is quite illusionary,
because even
human beings are not
able to recognize every
handwritten text
without any doubt.

The goal will be to create a model that will be able to identify and determine the handwritten digit from its image with better accuracy.

It should be easier to use

CNN based model improves the digit recognition in real time applications like zip code or postal code for mail sorting.

Processing of

digital files is

cheaper

than processing

traditional paper

files.

A NOVEL METHOD FOR HANDWRITTEN
DIGIT RECOGNITION SYSTEM

The user interacts with the UI (User Interface) to upload the image as input

The uploaded image is analyzed by the model which is integrated

everything is being digitalized to reduce human effort

Training an character recognition system model is a challenging task.

**Thinks** 

What are their wants, needs, hopes,

and dreams? What other thoughts

might influence their behavior?

Once the model analyses the uploaded image, the prediction is showcased on the UI.

We use ANN/
CNN to build
a deep
learning
model.

achieve comparable accuracy
by using a pure CNN
architecture without
ensemble architecture can
reduce computational cost and
high
testing complexity.

achieve accuracy
even better
along with reduced
operational
complexity and
cost.

MNIST
dataset is
used for this
recognition
process

## Does

What behavior have we observed? What can we imagine them doing?

Writing text with our own hands which can cause errors.

## **Feels**

What are their fears, frustrations, and anxieties? What other feelings might influence their behavior?