



What do they THINK AND FEEL?

what really counts
major preoccupations
worries & aspirations

Using only
images of the
digits is a
demerit.

It is not
suitable for
other
languages

Could have been
trained to read
data other than
digits to convert it
into
digital data.

Easy
accessibility,
updates and
features that
satisfes the user.

Hand written
digits need to be
recognized
quickly and the
output needs to be
accurate too.

What do they
SEE?
environment
friends
what the market offers

What do they SAY AND DO?

attitude in public
appearance
behavior towards others

Blind people who find
difficulty to interact with
tech devices such as
keyboards and
smartphones, would fnd it
easy to write down
the numbers and convert it
into digital information.

Recognize
handwritten
digit and
converts it into
digital data.

It can be used when
users work
together in a
company and share
numbers data
with handwritten
notes.

Compatibility
to devices.

What do they
HEAR?
what friends say
what boss say
what influencers say

It needs to
be accurate for
most
of the time to be
used.

Cost and
Budget for
the system.

PAIN

fears
frustrations
obstacles

Digits are sensitive
data so in some cases
so, if the hand
written data is
recognized
wrongly the user
will suffer

It should be affordable
to be used by all
common people so, If
the market rate is high
it cannot reach more
people.

The product is only
used to recognize digit
that is 0 to 9, but it is not
trained to recognize
alphabets or
other symbols and so on.

GAIN

"wants" / needs
measures of success
obstacles

Every individual
has their own
style of hand-writing.
There may be times
when it can be inferred
wrongly. This can deal
with that problem.

Differently abled
people can use this
easily except the
part of showing the
image to the
system.

Helps to
convert the
handwritten
notes, such as
numbers in banking
documents to text
document.