Ideation Phase Empathize & Discover

|  |  |
| --- | --- |
| Date | 16-october- 2022 |
| Team ID | PNT2022TMID24089 |
| Project Name | A Novel Method For HandWritten Digit  Recognition System |
| Maximum Marks | 4 Marks |

# **Empathy Map Canvas:**

An empathy map is a simple, easy-to-digest visual that captures knowledge about a user’s behaviours and attitudes.

It is a useful tool to helps teams better understand their users.

Creating an effective solution requires understanding the true problem and the person who is experiencing it. The exercise of creating the map helps participants consider things from the user’s perspective along with his or her goals and challenges.

To detect custom handwritten digits

## THINKS & FEELS

EMPATHY MAP FOR HAND WRITTEN DIGIT RECOGNITION

### Why is hand

writing recognition

### difficult? Is handwriting

recognition accurate?

## HEARS

### Can you identify the pictures?

Results with accuracy

It is a hard task for the machine

## SEES

Recognize the human handwritten digits from different sources like paper, images, etc.

Ensure effective & reliable approaches

Make banking operations easier & error free

**PAINS**

# Not always accurate

1. Poor images of text

# Spacing of letters

It enables to

END USER

## SAYS & DOES

Reduce the

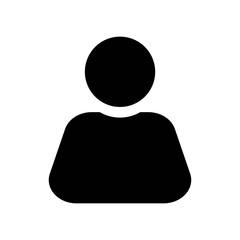
**GAINS**

# Easier data retrieval

* 1. Can be easier form of writing

# Electronic data

or words



save time Reduce the

and cost computation time

Handwritten

digits into machine readable formats

complexity of the algorithm

# storage