


## Ideation Phase

### Brainstorm & Idea Prioritization

Date	16 September 2022
Team ID	PNT2022TMID45235
Project Name	A Novel Method for Handwritten Digit Recognition System
Marks	4 Marks




#### Step-1: Team Gathering, Collaboration and Select the Problem Statement


Template




## Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.


 10 minutes to prepare  
 1 hour to collaborate  
 2-8 people recommended







#### Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.


 10 minutes

 Team gathering

Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.


 Set the goal

Think about the problem you'll be focusing on solving in the brainstorming session.

 Learn how to use the facilitation tools


Use the Facilitation Superpowers to run a happy and productive session.

[Open article](#) →




#### Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

 5 minutes


PROBLEM


The Main goal is to correctly identify the handwritten digits from the training dataset and using deep learning algorithms.





#### Key rules of brainstorming


To run a smooth and productive session


 Stay in topic.

 Encourage wild ideas.

 Defer judgment.

 Listen to others.

 Go for volume.

 If possible, be visual.

## Step-2: Brainstorm

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### Brainstorm

Write down any ideas that come to mind that address your problem statement.

🕒 10 minutes

#### TIP

You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!



#### RASHAD H

Helps to reduce the mail sorting time	It improves the speed of reading digits	Helps to eliminate the human errors
It can be used to sort both incoming and outgoing mail	Posted Mail Sorting	It can sort the mails using the pincode
Requires minimum man power	Used to recognize handprinted digits	Helps to recognize the postal code

#### ARULNITHI P

Varied handwriting of each and every person	Noise removal for greater accuracy	Easy and efficient UI provides better understanding
Helps solving complex things and make human life easier.	Flexibility	Shape Analysis
Machine understandable format.	Easy to access	Finer clarity of images.

#### JAYASARATHY S

Ensure Effective and reliable approaches for recognition	Evaluated on self generated data set of bank cheques	Make banking operation easier and error free
A cheque processing system becomes commercially efficient when error rate is low	Bank check processing	Complexity and effort will be less while processing cheque
Provides high fault tolerance and parallel architecture.	Largely automate the system by reducing workload, time and cost per transaction.	Processed with minimal human intervention

#### RIYAS MOHAMMED S

It can be used to store the data in efficient way	Keeps the saved form open for further editing	Identifies information being incorrectly put into the system
It tries to provide a error free solutions	Form data entry	Recognize the data from the images
It handles fortssing in a large scale for fas	It helps to decrease the man power	It saves the form information

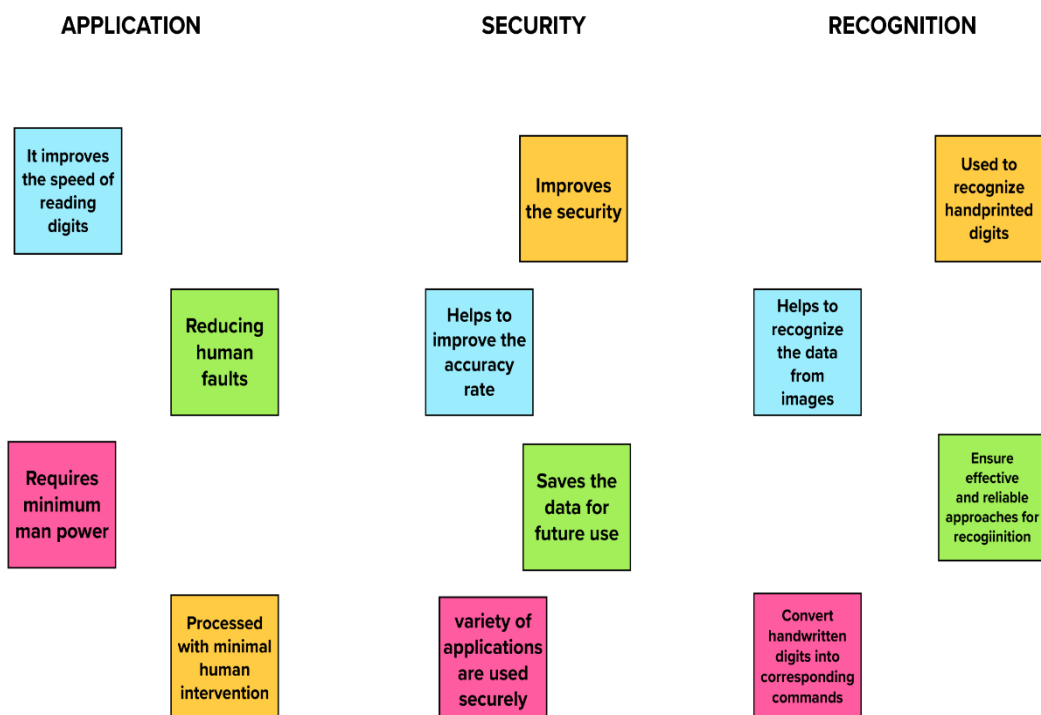
## Step-3: Idea Listing and Grouping

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### Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

🕒 20 minutes



## Step-4: Idea Prioritization

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### Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

🕒 20 minutes

