



# Brainstorm & idea prioritization

Here is the brain storming session about our project. In this session our team discusses our different ideas and imaginations.

🕒 10 minutes for preparation

🕒 1 hour for collaboration

👤 4 peoples

💬 [Share template feedback](#)

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## Problem statement

A Novel Method for Handwritten Digit Recognition System

🕒 5 minutes

### PROBLEM

How we are going to get better accuracy in hand written digit recognition



## Key rules of brainstorming

To run [an](#) smooth and productive session



Stay in topic.



Encourage wild ideas.



Defer judgment.



Listen to others.



Go for volume.



If possible, be visual.

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## Brainstorm

We write about the ideas that comes to our mind that helps us address our problem statement.

10 minutes

ASWIN BALAJI T R

KARTHIKRAJ G

GAUTHAM GOPI

BHARATH KUMAR A

Handwritten recognition is an essential feature for machines to understand the human handwriting.

Handwritten digit recognition is the application that is used to understand the human handwriting by using machine

Handwritten digit recognition is to provide the ability to machines to recognize human handwritten digits

Handwritten digit recognition is the ability of a computer to recognize the human handwritten digits from different sources like images, paper, touch screen

It can handle arbitrary scaling, translations and a limited degree of image rotation.

The handwriting to be recognized is digitized through scanners or camera

Based on the shape analysis of the digit image and extract slant or slope information

The applications of digit recognition include in postal mail sorting, bank check processing, form data entry

method of fitting model to images does not get trapped in poor local minima

The image of the document is segmented into lines words and individual character

To ensure effective and reliable approaches for recognition of handwritten digits and banking operations order and error free

The main disadvantage is that there is no possibility of obtaining information about the type of the input.

Adding more trained and test models to the system helps for better results.

OCR technique is used for the recognition process

Handwritten digit recognition is the solution for the problem the handwritten digits are not perfect and can be made with different flavors

Recently handwritten digit recognition has gained a lot of scope and it is attracting many researchers because of it using in variety of machine learning and computer vision applications

The system should be designed with simple user interface

The errors are corrected using lexicons or spelling checkers

To provide the ability to machine to recognize human handwritten digits

there is a wide range of handwriting - good and bad.

The system should be developed for different types of handwriting digit recognition

Training is relatively easy and fast

Handwritten digit recognition is necessary because of everything is digitalised

OCR tools analyze the handwritten or typed text in images and convert it into editable text



## Group ideas

Here the common ideas about our project is mentioned below while discussed on brainstorming session

20 minutes



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## Prioritize

We placed our ideas on this grid to determine which ideas are important and which are feasible.

20 minutes

