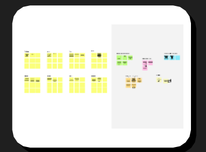
Template

Brainstorm
& idea prioritization

Here is the brain storming session aboutour 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



1

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.

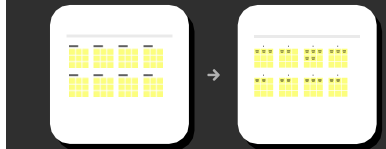
2

Brainstorm

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

10 minutes

SHIVA RAKESH S	BARATH BALAJI V S	ASWIN VIJAY T V	BHARATH KUMAR A S
Handwritten recognition is a 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, papers, touch screens
It can handle arbitrary scaling ,translations and a limited degreeof 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 easier 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 becomes vital scope and it is appealing 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 rangeof 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 digitalized	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

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

There's a wide range of handwriting - good and bad.

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

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

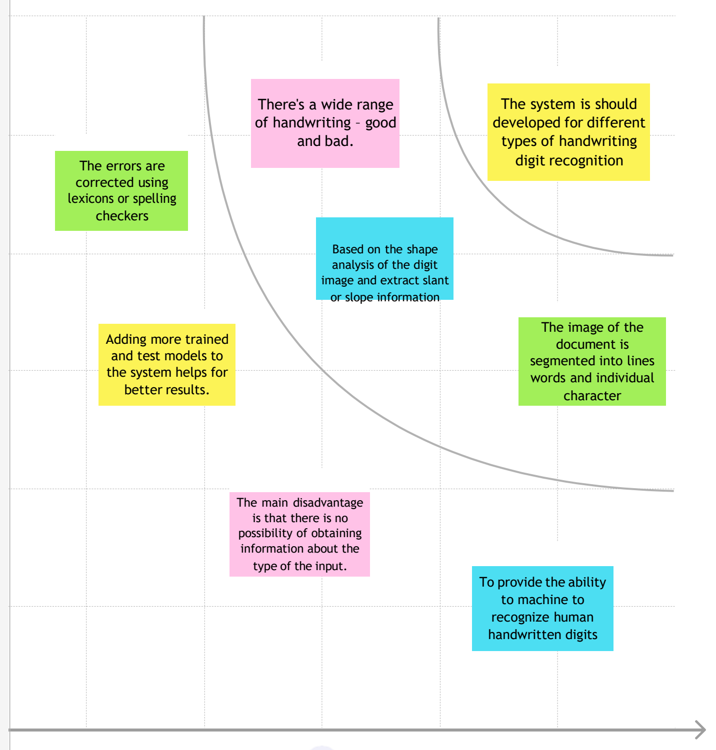
Based on the shape analysis of the digit image and extract slant or slope information

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

Prioritize

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

20 minutes



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

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

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

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

To provide the ability to machine to recognize human handwritten digits

Feasibility

Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)