Template

A NOVEL METHOD FOR HANDWRITTEN DIGIT RECOGNITION

Hand written digit recognition, is the ability of a computer to recognize the human handwritten digits from different sources. In handwritten recognition digits, characters are given as input. The model can be recognized by the system. A simple Artificial Neural Network (ANN) has an input layer, an output layer and some hidden layers between the input and output layer.

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

DESIGNED BY:

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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

1 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 STATEMENT

Handwriting number recognition is a challenging problem researchers into this area for so long especially in the recentyears. In our study there are many fields concern with numbers for example, checks in banks or recognizing numbers in car plate, the subject of digit recognition appears. A system for recognizing isolated digits may be as an approach for dealing with such application.

Key rules of brainstorming

To run an smooth and productive session

- Stay in topic.
- Defer judgment.
- Encourage wild ideas.
- Listen to others.
- If possible, be visual.

2 Brainstorm

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

10 minutes

M.DHARIKA

- 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
- POSTAL MAIL SORTING
- It can sort the mails using the pincode
- Requires minimum man power
- Used to recognize handprinted digits
- Helps to recognize the postal codes

B.SARANYA

- Helps to recognize the data from images
- It allows automated alerts while making the mistakes
- Accuracy of real time analytics
- Enhances the parking management
- AUTOMATIC LICENSE PLATE RECOGNITION
- Helps to reduce the errors which are made by man
- Enhanced security and safety
- Helps to stop criminal behaviour
- Easier management of resources

M.SHYAMALA

- Ensure effective and reliable approaches for recognition
- Evaluated on self generated data set of bank cheque
- 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

B.SRINITHI

- It can be used to store the data in efficient way
- It is tas to provide a error free solutions
- It handles form processing in a large scale for fast
- Recognize the data from the images
- FORM DATA ENTRY
- It helps to decrease the man power
- Keeps the saved form open for further editing
- Identifies information being incorrectly put into the system
- It saves the form information

3 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 and break it up into smaller sub-groups.

APPLICATION

- Requires minimum man power
- Helps to eliminate the human errors
- It improves the speed of reading digits
- Processed with minimal human intervention

RECOGNITION

- Helps to recognize the data from images
- Used to recognize handprinted digits
- Ensure effective and reliable approaches for recognition

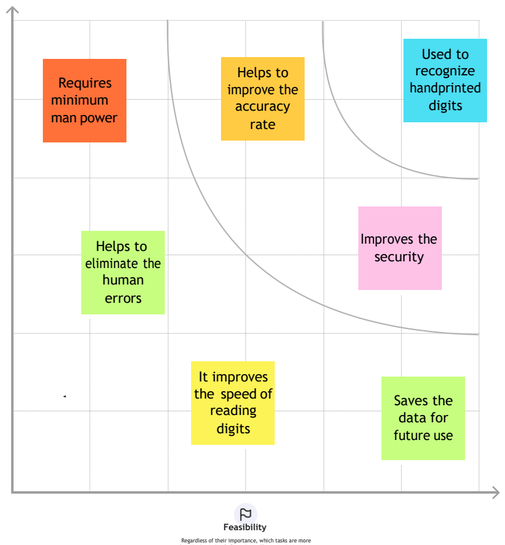
SECURITY

- Saves the data for future
- Helps to improve the accuracy rate
- Improves the security

4 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



After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

Quick add-ons

Share the mural
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.

Export the mural
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

Keep moving forward

Strategy blueprint
Define the components of a new idea or strategy.
Open the template

Customer experience journey map
Understand customer needs, motivations, and obstacles for an experience.
Open the template

Strengths, weaknesses, opportunities & threats
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.
Open the template