

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 to do to get going.

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.

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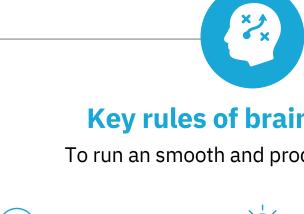
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with this session. Here's what you need

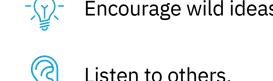
① 10 minutes

Handwriting number recognition is a challenging problem researchers into this area for so long especially in the recent years. 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.



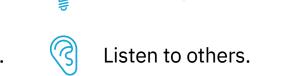
Encourage wild ideas.







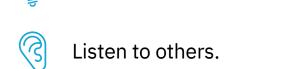


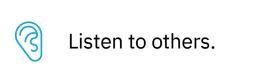


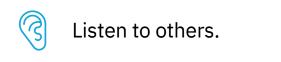


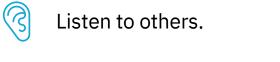












If possible, be visual.

Define your problem statement

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

5 minutes

focus of your brainstorm.

PROBLEM STATEMENT



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

① 10 minutes

Brainstorm

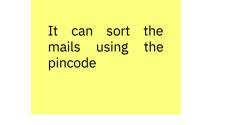




Thirukumaran .PK

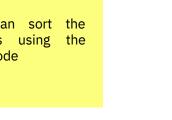
reliable approaches for recognition

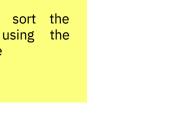


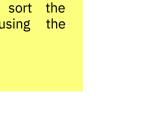


Complexity and effort will be less while processing cheque

Largely automate the system by reducing workload, time and cost per









TharunRaj .K

It can be used to store the data in efficient way

Keeps the saved form open for further editing

Prashanth.R

Helps to recognize the data from images

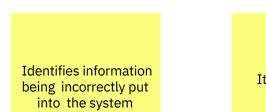


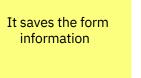












Group ideas Take turns sharing your ideas while clustering similar or related notes as you go.

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.

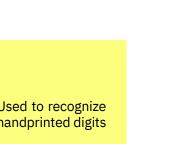
APPLICATION

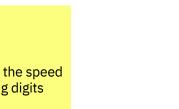
human errors

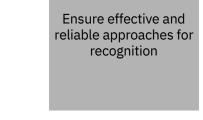
Helps to recognize the data from images



SECURITY

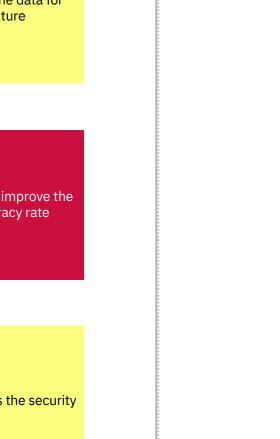








Your team should all be on the same page about what's determine which ideas are important and which are feasible.



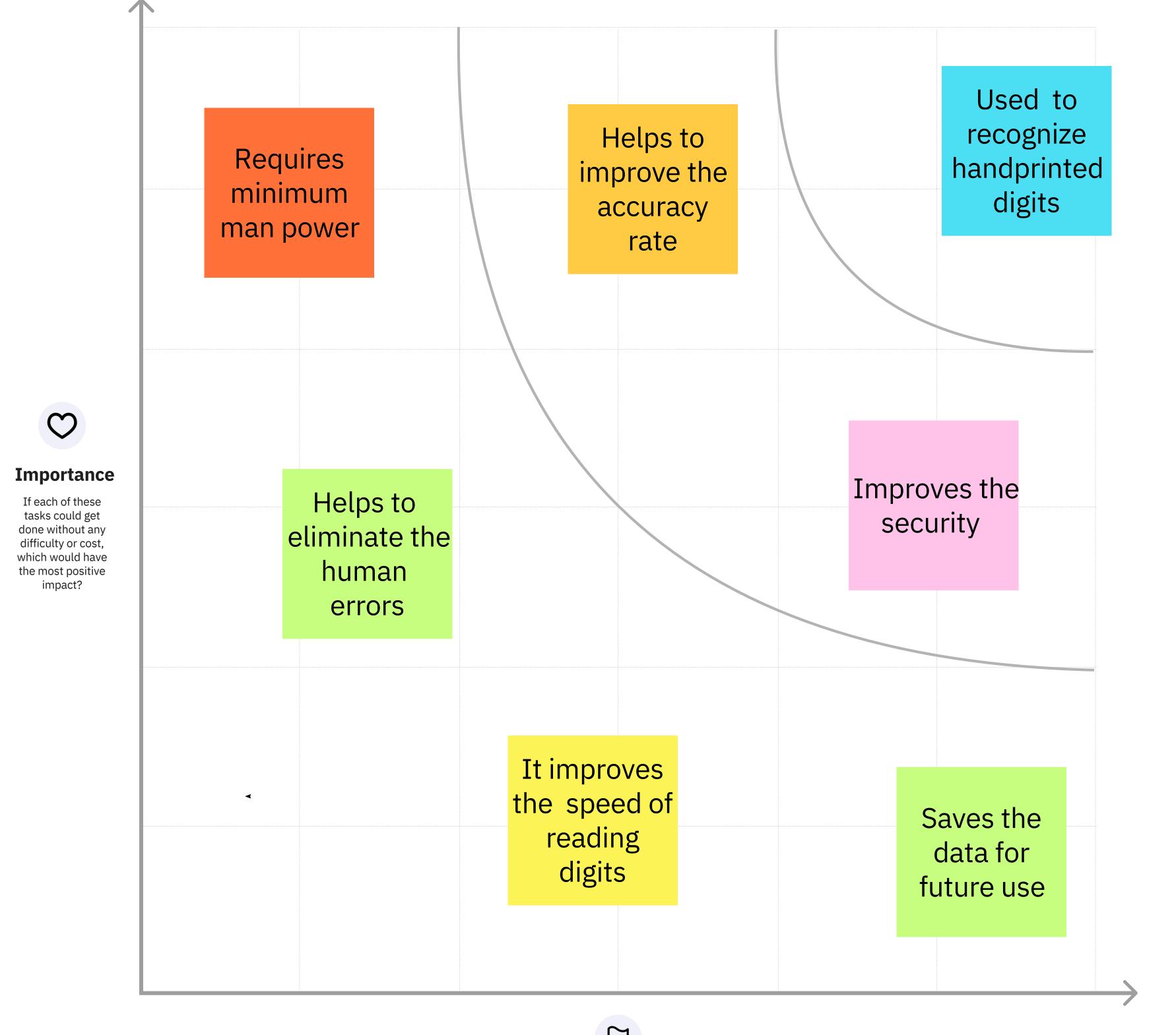


① 20 minutes



Prioritize

important moving forward. Place your ideas on this grid to



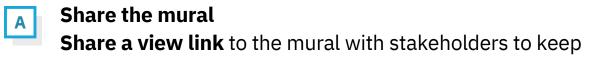


Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)

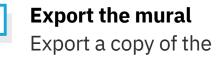
After you collaborate

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



them in the loop about the outcomes of the session.



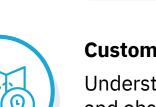
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

Keep moving forward



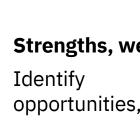
Define the components of a new idea or

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Customer experience journey map 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 →

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