



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

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**Before you collaborate**  
A little bit of preparation session. Here's what you

-  **A Team gathering**  
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.
  -  **B Set the goal**  
Think about the problem you'll be focusing on solving in the brainstorming session.
  -  **C Learn how to use the facilitation tools**  
Use the Facilitation Superpowers to run a happy and productive session.
-  **Open article** 

### Problem Statement

Handwriting recognition is one of the compelling research works going on because every individual in this world has their own style of writing. It is the capability of the computer to identify and understand handwritten digits or characters automatically. Because of the progress in the field of science and technology, everything is being digitalized to reduce human effort. Hence, there comes a need for handwritten digit recognition in many real-time applications. MNIST data set is widely used for this recognition process and it has 70000 handwritten digits. We use Artificial neural networks to train these images and build a deep learning model. Web application is created where the user can upload an image of a handwritten digit. This image is analyzed by the model and the detected result is returned back to UI.

## PROBLEM

### A Novel Method For Handwritten Digit Recognition System

## 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

Abishek D	Sai Iokesh	Vamsikrishna	TharunReddy C V
			

### Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, 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

Using Database for input and output	Using Pickle	Single page	Separate input output page	Based on input type
				
				

## 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

-  **A Share the mural**  
Share a **view link** to the mural with stakeholders to keep them in the loop about the outcomes of the session.
-  **B 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](#) →

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