

Ideation Phase

Brainstorm&Idea Prioritization


Date	16 September 2022
Team ID	PNT2022TMID46690
Project Name	Project - A Novel Method for Handwritten Digit Recognition System
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving.

Step-1: Team Gathering, Collaboration and Select the Problem Statement


Template



Brainstorm & idea prioritization

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



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

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 →

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

The handwritten digit recognition is the capability of computer application to recognize the human hand written digit. It is a hard task for the machine because handwritten digits are not perfect and can be made with many different shapes and sizes.



Key rules of brainstorming

To run a smooth and productive session

🗣️ Stay in topic.

💡 Encourage wild ideas.

⏸️ Defer judgment.

👂 Listen to others.

🗣️ Go for volume.

👁️ If possible, be visual.

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm
Write down any ideas that come to mind that address your problem statement.
[10 minutes](#)

J. FASILA AFREEN (TEAM LEADER)
Requires minimum man power
Helps to recognize the data from images
Convert hand written digits into machine readable formats

Helps to eliminate human errors

It helps to provide a error free solutions

Identifies digit automatically

Pre-model takes input and classifies them in a certain category

Make banking operation easier and error free

Evaluate the model

Apply statistical techniques for preprocessing

Use different algorithms

R. AARTHI
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T. RETHINAPRIYA
High accuracy
Analyze the image clearly
Feature extraction from processed image
Analyze the image clearly

Analyze the image clearly

Evaluation of model

Use efficient algorithms

Import target Dataset

Image segmentation

Import required libraries

Using CNN predict real hand written digits

A. SURYA
Use efficient algorithms
Import target Dataset
Image segmentation
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Using CNN predict real hand written digits

High accuracy

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Feature extraction from processed image

Analyze the image clearly

Evaluation of model

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.
[20 minutes](#)

APPLICATION
Requires minimum man power
Helps to recognize the data from images
Convert hand written digits into machine readable formats
It tries to provide a error free solutions
Make banking operation easier and error free

the model takes image and classifies them in a certain category

Helps to eliminate human errors

PROCESS
Evaluate the model
Apply statistical techniques for preprocessing
Identifies digit automatically
Using CNN predict real hand written digits
Import required libraries
Import large Dataset
Use different algorithms
Analyze the image clearly
Image segmentation
Evaluation of model
Feature extraction from processed image
Analyze the image clearly

High accuracy

TP

Add customizable tags to sticky notes to make it easier to find, follow, organize, and categorize important ideas or themes within your mural.

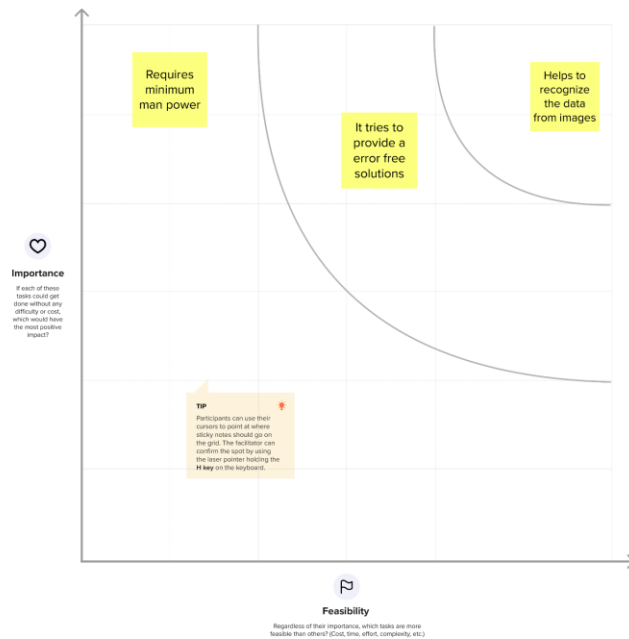
Step-3: Idea Prioritization

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

- 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 →](#)

[Share template feedback](#)