

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID28601
Project Name	A Novel Method for Handwritten Digit Recognition System
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

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. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

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.

Reference: <https://www.mural.co/templates/empathy-map-canvas>

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

Step-2: Brainstorm, Idea Listing and Grouping

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Brainstorm

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

10 minutes

Manosri.R

Preprocessing and cleaning has to be done
A feature to provide various synonyms for the words recognized

Sandhya.C

To create application that detects handwriting
Can recognize different handwriting text
Validate and test with custom input
A feature to export the recognized text

Pooja.S

Can implement Fraud Detection
Find the best model by experimenting with various models
A feature to check the grammatical error of the recognized text

Sweadha.M

To implement Agile methodology
Solve complex jobs and make human life easier
To provide an accuracy of 99% and train a convolutional network to predict the digit given an image
Use for pattern recognition applications

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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 can break it up into smaller sub-groups.

20 minutes

Process

To provide an accuracy of 99% and train a convolutional network to predict the digit given an image
To implement Agile methodology
Solve complex jobs and make human life easier
Find the best model by experimenting with various models
Remove noises to improve the accuracy

Features

A feature to provide various synonyms for the words recognized
A feature to export the recognized text
A feature to check the grammatical error of the recognized text
Can recognize different handwriting text

Technological Solutions

Validate and test with custom input
Train the MNIST dataset
Preprocessing and cleaning has to be done
Find the best model by experimenting with various models

Applications

Use for pattern recognition applications
Can implement Fraud Detection
To create application that detects handwriting

Step-3: Idea Prioritization

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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

