





















Ideation Phase

Brainstorm & Idea Prioritization Template

Team ID	PNT2022TMID38603
Project Name	A Novel Method for Handwriting Digit Recognition System

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

<div>Template</div> <div><h2>Brainstorm & idea prioritization</h2><p>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.</p><p> 10 minutes to prepare  1 hour to collaborate  2-8 people recommended</p><p>Share template feedback</p></div>	<div><h3>Before you collaborate</h3><p>A little bit of preparation goes a long way with this session. Here's what you need to do to get going.</p><p> 10 minutes</p></div> <div><div>Team gathering</div><p>Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.</p></div> <div><div>Set the goal</div><p>Think about the problem you'll be focusing on solving in the brainstorming session.</p></div> <div><div>Learn how to use the facilitation tools</div><p>Use the Facilitation Superpowers to run a happy and productive session.</p><p>Open article </p></div>	<div><div>Problem Statement</div><p>A Novel Method for Handwritten Digit Recognition System</p><p> 5 minutes</p></div> <div><div>PROBLEM</div><p>How we are going to get better accuracy in hand written digit recognition?</p></div> <div><div>Key rules of brainstorming</div><p>To run a smooth and productive session</p><div><div> Stay in topic.</div><div> Encourage wild ideas.</div></div><div><div> Defer judgment.</div><div> Listen to others.</div></div><div><div> Go for volume.</div><div> If possible, be visual.</div></div></div>
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Step-2: Brainstorm, Idea Listing and Grouping

1

Brainstorm
We write about the ideas that comes to our mind that helps us address our problem statement.

🕒 10 minutes

SARAVANAN S

it is essential feature for machines to understand the human handwriting

Adding more trained and test models to the system helps for better results

The system should be developed for different types of handwriting digit recognition

The system should be designed with simple user interface

DELLIBABU S

To ensure effective and reliable approaches for recognition

Handwritten digit recognition is to recognize human handwritten digits

Based on the shape analysis of the digit image and extract slant

the problem the handwritten digits are not perfect and can be made with different flavors

PRAKASH S T

The errors are corrected using lexicons or spelling checkers

The image of the document is segmented into lines words and individual character

It is used to understand the human handwriting by using machine

The handwriting to be recognized is digitized through scanners or camera

THARUNKUMAR S

The digit recognition includes in postal mail sorting, bank check processing, form data entry

Typed text in images and convert it into editable text

The human handwritten digits from different sources like images, papers, touch screens

The no possibility of obtaining information about the type of the input.

3

Group ideas
Here the common ideas about our project is mentioned below while discussed on brainstorming session

🕒 20 minutes

The system is should developed for different types of handwriting digit recognition

Handwritten digit recognition is the ability of a computer to recognize the human handwritten digits from different sources like images, papers, touch screens

Based on the shape analysis of the digit image and extract slant or slope information

The image of the document is segmented into lines words and individual character

Handwritten digit recognition is to provide the ability to machines to recognize human handwritten digits

There's a wide range of handwriting good and bad.

Step-3: Idea Prioritization

4

Prioritize

We placed our ideas on this grid to determine which ideas are important and which are feasible.

🕒 20 minutes

