Ideation Phase
Brainstorm & Idea Prioritization Template

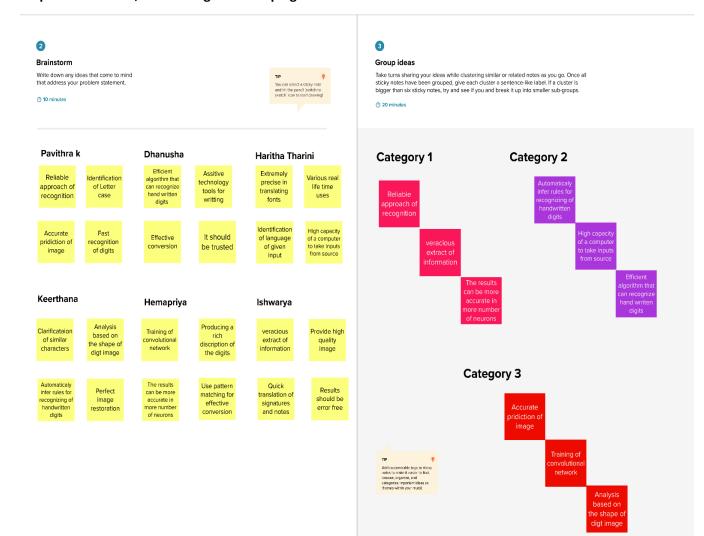| Date	19 September 2022
Team ID	PNT2022TMID09888
Project Name	A Novel method for Handwritten Digit Recognition System
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

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

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

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

🕐 10 minutes

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 can break it up into smaller sub-groups.

🕐 20 minutes

Pavithra k

- Reliable approach of recognition
- Identification of Letter case
- Accurate pridiction of image
- Fast recognition of digits

Dhanusha

- Efficient algorithm that can recognize hand written digits
- Assitive technology tools for writting
- Effective conversion
- It should be trusted

Haritha Tharini

- Extremely precise in translating fonts
- Various real life time uses
- Identification of language of given input
- High capacity of a computer to take inputs from source

Keerthana

- Clarificataion of similar characters
- Analysis based on the shape of digt image
- Automaticaly infer rules for recognizing of handwritten digits
- Perfect image restoration

Hemapriya

- Training of convolutional network
- Producing a rich discription of the digits
- The results can be more accurate in more number of neurons
- Use pattern matching for effective conversion

Ishwarya

- veracious extract of information
- Provide high quality image
- Quick translation of signatures and notes
- Results should be error free

Category 1

- Reliable approach of recognition
- veracious extract of information
- The results can be more accurate in more number of neurons

Category 2

- Automatically infer rules for recognizing of handwritten digits
- High capacity of a computer to take inputs from source
- Efficient algorithm that can recognize hand wrriten digits

Category 3

- Accurate pridiction of image
- Training of convolutional network
- Analysis based on the shape of digt image

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**

Importance

If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

- Reliable approach of recognition
- Accurate pridiction of image
- High capacity of a computer to take inputs from source
- Automaticaly infer rules for recognizing of handwritten digits
- Efficient algorithm that can recognize hand wrriten digits
- Training of convolutional network
- Analysis based on the shape of digt image
- veracious extract of information
- The results can be more accurate in more number of neurons

🚩 **Feasibility**

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