

Ideation Phase

Brainstorm & Idea Prioritization Template

| | |
|---------------|--|
| Date | 01 November 2022 |
| Team ID | PNT2022TMID27708 |
| Project Name | Project - Real-Time Communication System Powered by AI for Specially Abled |
| 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.




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

Template




Brainstorm & idea prioritization


Use this template in your own brainstorming sessions so you 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

[Share template feedback](#)

 **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

We are making use of a convolution neural network to create a model that is trained on different hand gestures. An app is built which uses this model. This app enables deaf and dumb people to convey their information using signs which get converted to human-understandable language and speech is given as output.


 5 minutes


PROBLEM


We make use of CNN to train models speech is given as output


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

TIP

You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

| Team Lead | | | Team Member 1 | | | Team Member 2 | | | Team Member 3 | | |
|--------------------------|-------------------------------|-------------------------|---------------------------------------|-----------------------|---------------------------------|------------------------------|--------------------------------|----------------------|--------------------------------|-------------------|---|
| Real-time captioning | offline mode usage | fast and accurate | Using various language | Privacy and security | Skin detection | error prevention | Captions and translations | multiple input | Quick responses | Secured access | Readjustments of graphic elements in UI |
| Dataset of hand gestures | Well organized user interface | Auto detection of signs | Image preprocessing | Audio descriptions | Different application platforms | Control of services | Sign recognition | Automated correction | Text summarization | Easy to use | Speech clarification through texts |
| Speech Recognition | Facial recognition | Virtual assistants | maintaining confidential conversation | Alternative Solutions | Recovery mechanisms | built-in library for phrases | Ability to speed communication | Alternative outputs | Effective and accurate outputs | Avoiding timeouts | secure user information |

3

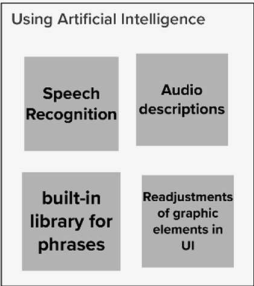
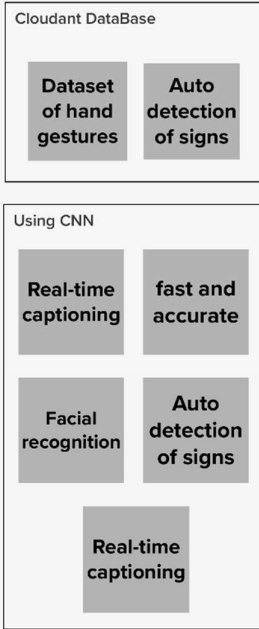
Group ideas

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

TIP

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as 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

