

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	10 September 2022
Team ID	PNT2022TMID33016
Project Name	Real Time Communication 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 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

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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

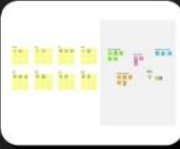
To Develop a mechanism that can ease out communication between deaf-mute and normal person



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.



Need some inspiration?

See a finished version of this template to kickstart your work.

[Open example](#)

Step-2: Brainstorm

2

Brainstorm

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

🕒 10 minutes

Sanjana L

Speech Recognizer can be used in to order understand the difficulties of deaf-mute people

Teletypewriter is a device used to communicate typed message from point to point

cheeks muscle movement can be used to word they are trying to speak .

Adaptive learning platforms provide learning experiences tailored to the specific needs of students with disabilities .

TTY is a mechanical typewriter that is fully electronic and use of screen instead of a printer.

The words can be converted to a speech that they are trying to convey to people.

Hemapriya R

Device camera detects the movement of facial gestures

The software can work both online and offline

The machine is made to learn all the actions so that it easily detects the movement of the person .

This software can be developed into an application on future and make portable as possible.

Providing information about the distance between the user and the obstacle with essential direction instructions.

image recognition technology is used to convey visual information to voice command

Raagavi M

Placing a sensor that detects hand sign and gets inputs through camera which is then converted into speech

When speech is fed to the design,it compares the dataset with the speech fed and gives us digital hand sign output

Training the device to understand lip muscles movements

data from the sensors send to control unit for the sign recognition

Making the device to predict the sentence as per the surroundings to make it more quicker

Computer can be implanted in one arm of the user and it can be controlled by eyeball movements(just like mouse)

Akshaya D

Inexpensive translation service

the device can be made more portable by using small lipo battery

computationally efficient and affordable

video of hand gestures converted into speech

The batteries can be charged and reused again

User uses various buttons of application in the system to operate

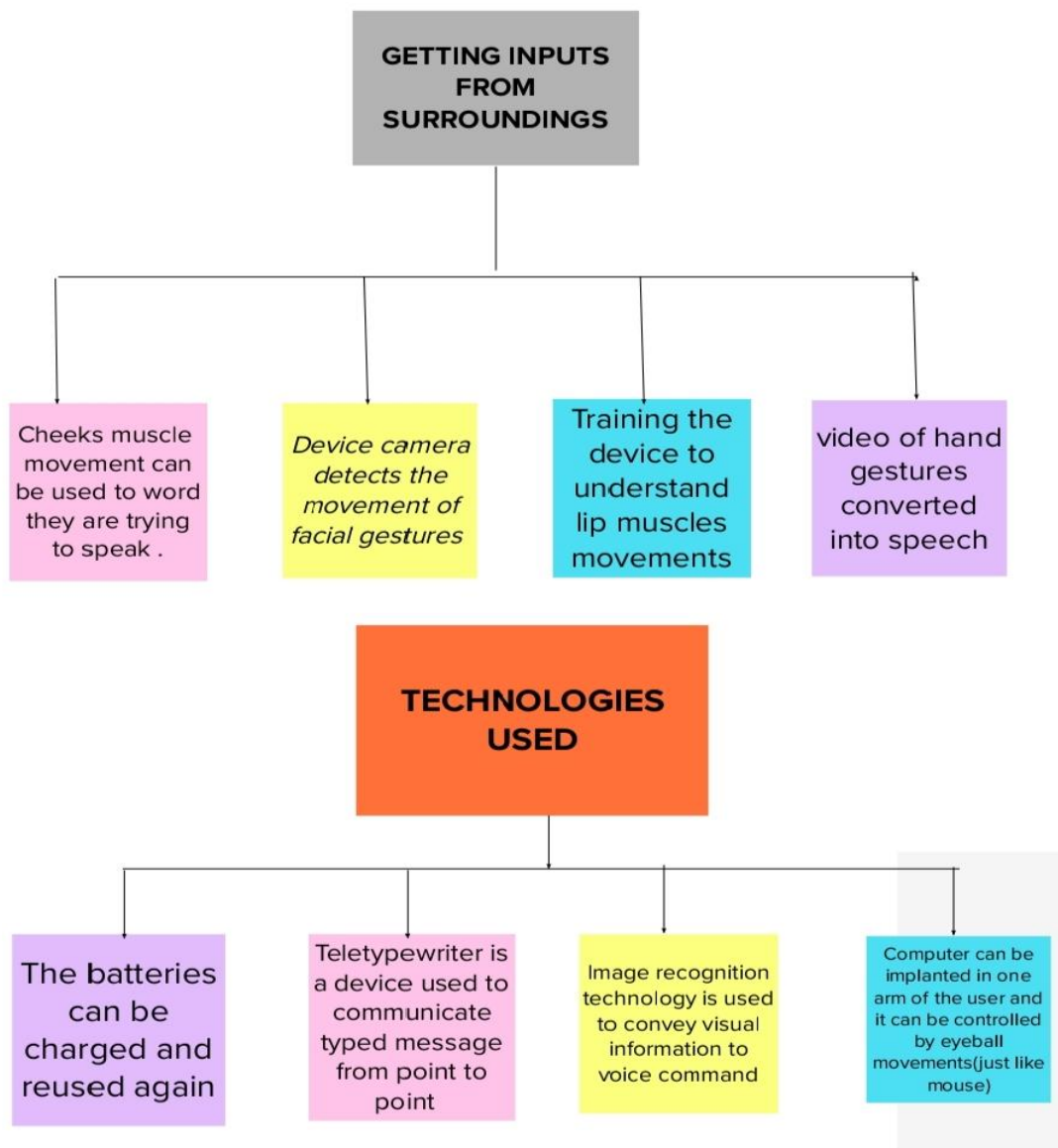
Step-4: Idea Listing and Grouping

3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, 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



Step-4: 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

