

# Ideation Phase

## Brainstorm & Idea Prioritization Template

Date	16 September 2022
Team ID	PNT2022TMID00980
Project Name	Real time communication based system powered by AI for specially abled.
Maximum marks	4 marks

### 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

🗉 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

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

Communications between deaf-mute and a normal person has always been a challenging task. It is very difficult for mute people to convey their message to normal people. Since normal people are not trained on hand sign language. In emergency times conveying their message is very difficult. The human hand has remained a popular choice to convey information in situations where other forms like speech cannot be used.



#### 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.

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] [can to start drawing]

## DHIVARGAR.T

Ensures better understanding and avoids miscommunications.

Makes the dumb-mute independent and social.

Lip movements can be detected and converted to speech.

Initial dumping of program helps us to have a life-time access.

## BALAJI.G

They don't need translators to accompany them always.

Few communications can be recorded for future use.

Facial expressions can be recognised and use to convey the emotion.

They can be easily accessed anywhere and anytime.

## DINESHKUMAR

Centralized monitoring system must be serviced for better accuracy.

Everyone need not be aware of sign-languages.

This can be implemented in workplaces, educational centres and even in public places.

Can be implemented along with hearing aids to have better results.

## DHARANIDHARAN

The entire system will be light-weight and easily portable.

Special features like sensing lip movements can also be implemented.

With help of this, they can travel anywhere without any difficulty with communication.

This will be just one-time investment upon which it can be used n number of times.

## ABUBAKKAR SIDDIQ

A sub-system can be used to store all the image processed for future reference.

For outdoor use it must be implemented with a battery of longer life-time.

With this, it promotes mental health, social thinking and better behaviour.

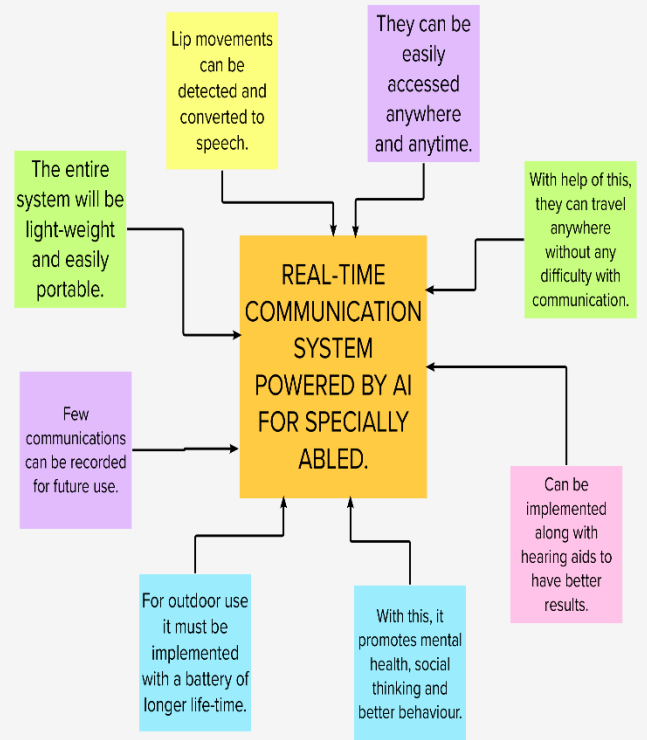
All the peripherals must be checked periodically for more accuracy.

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



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

