


# Ideation Phase

## Brainstorm & Idea Prioritization

Date	19 September 2022
Team ID	PNT2022TMID09247
Project Name	Real-Time Communication System Powered by AI for Specially Abled
Maximum Marks	4 Marks



### 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



#### 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



#### Team gathering

Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.



#### Set the goal

Think about the problem you'll be focusing on solving in the brainstorming session.



#### Learn how to use the facilitation tools

Use the Facilitation Superpowers to run a happy and productive session.

Open article



1

#### Problem Statement

To develop a system that converts the sign language into a human hearing voice in the desired language to convey a message to normal people, as well as convert speech into understandable sign language for the deaf and dumb.

🕒 5 minutes

#### PROBLEM

How might we[your problem statement]?

#### Key rules of brainstorming

To run an smooth and productive sessi.



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] icon to start drawing!

### CB Sathvik

Constantly providing informations	Making it easier for the specially abled to communicate	Using more pictures to understand easily
Develop a clear application to convert into value and the same	Reducing time taken to convert	Provide constant explanations
Use of convolution neural network	Avoiding confusions	Effectively handling the applications

### Chadalavada Gautham

Ensure user interface is optimal	Clarity of the speech	An overview of a website
Provide better authentication	Take care of complex tasks too	Asking for user's queries and user's feedback
Ensure 24/7 support	Make the users to feel attractive	Ensuring the clarity of the actions

### Badrinath

Developing applications from users feedback	Gestures can be included	Usage of good body language
Ensure clarity in finger -spelling	Checking for improper signs	Ensure for any virus attacks
Developing and updating the application to the trends	Observation skills are mandatory	Having a good listening capacity

### Lakshman

Users can check and review	Managing the time	Ensuring continuous conversions
Maintaining good eye contact	Ensuring pragmatics	Developing more skills
Conveying important messages immediately	Reducing more complex explanations	Allowing predictions

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

## 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

### Authentication 🚫

- Fast login and logout
- Secured application

### Technology 🖱️

- Using convolution neural network
- Use of gestures

### Others 🗨️

- Ensuring optimal user interface
- Taking less time for conversion
- Making users to feel attractive while using
- Checking for improper signals

### Reviews 😊

- Getting feedbacks from users
- Using the queries for betterment

**TIP**  
Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

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

