

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	18 September 2022
Team ID	PNT2022TMID23501
Project Name	Real time communication powered by AI for specially abled
Maximum Marks	4 Marks

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#### Brainstorm & Idea Prioritization Template:

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



### 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

**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.

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**1 Define your problem statement**

Dumb people use hand signs to communicate, hence normal people face problem in recognizing their language by signs made. Hence there is a need of the systems which recognizes the different signs and conveys the information to the normal people.

🕒 5 minutes

**PROBLEM**

How might we [your problem statement]?

**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!

### Khavya

normal people can try to understand dumb people by their lip movement	they can communicate by hand gesture	American sign language (ASL) can be implemented
sign language must be learnt by both the persons for understanding	a translator can also be used as an intermediary	these people can also write and communicate to normal people
dumb people can also use text messages to convey their needs and video calls to express their facial gestures and sign languages.	The app should be easy to use like whatsapp, messenger, etc	These messaging apps are really helpful but can be enhanced with few more features.


### Amisha kumari

Sign language	using their visual sense	sign language must be tolerable
They must also learn sign language to understand	they can use ear machine to hear	having the sense to use new software can be handy
Eye language can also be introduced	Facial expressions can be introduced for actions	sensory techniques can be used

### Aswini

Learn how they prefer to communicate	The app should be user-friendly even an illiterate person can use it	Google speech recognition Module can be used
The Text Messaging Module helps the user to send the SMS/Text messages to any user.	The emergency module helps the person to send an emergency message along with present GPS location to the added emergency contact.	The Help Center option can be introduced which is a learning tool that teaches Indian sign Language.
The app uses Google speech API to achieve that result	This application has user login for the first time and they can customize their app accordingly	Different options like sending text message, voice to text message, emergency message, sending GPS location and also a feature that assists the Indian sign Language to the normal people

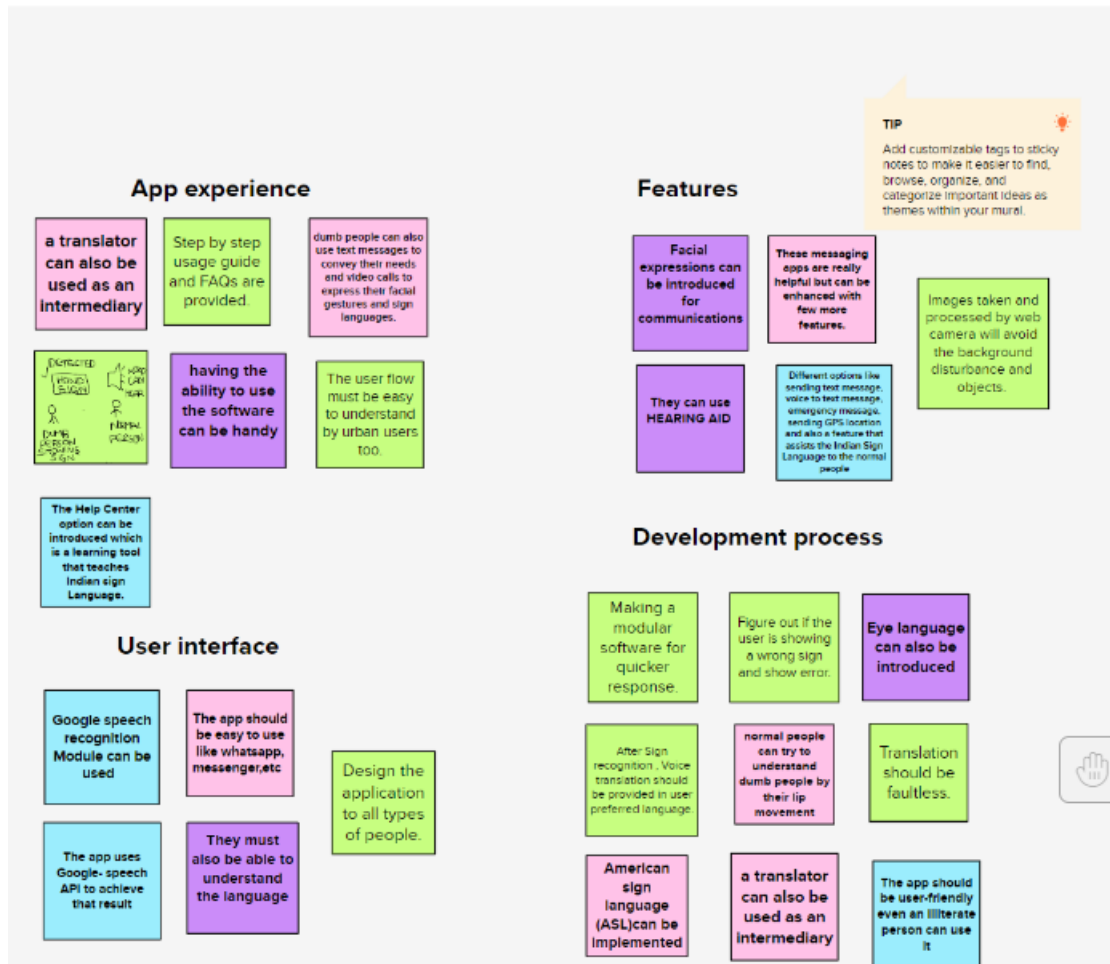
### Gunupudi Venkata Lakshmi Durga Sunaina

Images taken and processed by web camera will avoid the background disturbance and objects.	Translation should be faultless.	Step by step usage guide and FAQs are provided.
The user flow must be easy to understand by urban users too.	Making a modular software for quicker response.	Design the application with inclusivity to all types of people.
After Sign recognition, Voice translation should be provided in user preferred language.	Figure out if the user is showing a wrong sign and show error.	

### 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 and break it up into smaller sub-groups.

🕒 20 minutes



### 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?

