

**Ideation Phase**  
**Brainstorm & Idea Prioritization**  
**Template**

<b>Date</b>	27 October 2022
<b>Team ID</b>	PNT2022TMID23730
<b>Project Name</b>	Real-Time Communication System Powered by AI for Specially Abled

**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.

**Reference:**

<https://app.mural.co/t/student25008/m/student25008/1665161757039/0ad9cd79a9911b768cd597e03ea21a1700885b7e?sender=uf2f07d75b85eafd64aaa0004>




## 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

 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


How might we create a system that converts sign language into human voice in desired language and vice versa ?





#### Key rules of brainstorming


To run a smooth and productive session


 Stay in topic.

 Defer judgment.

 Go for volume.

 Encourage wild ideas.

 Listen to others.

 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 "fill the pencil" (click) to stretch it out to start drawing!

#### Person 1

Idea of communication	Sometimes hear about the defects by their own	Turner educational and job opportunities due to impaired communication
Creating a welfare organization	Always face a deaf person	a narrow and negative viewpoint is where deaf people are viewed as needing assistance

#### Person 2

that captures emotion	accuracy of the system is essential	make communicative assistance
avoid multiple detection	create seamless connectivity	a practice system for sign language

#### Person 3

creating a easy environment to communicate with all people	help physically disabled people with the help of technology like neural network	to make a neural model that can communicate with multiple sign language like American Indian Indian etc.
a system that can also be available in offline mode	model that can be used in both ways speech to sign and sign to speech.	Using a combination of sign interpretation that can be used in both ways speech to sign and sign to speech. This can be used in both ways speech to sign and sign to speech.

#### Person 4

Convery the exact message	Conversation consistency is the key	Real time communication
Disabled person can express their feelings	Make deaf and dumb people to feel like normal	Understanding sign language and disabled people can share knowledge

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

#### Conversion methods

Apps to digitalize conversion	Video to text conversion	Text to sign conversion	Conversion to human assistive devices
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**TIP**  
Add customisable tags to sticky notes to make it easier to filter, browse, categorise and categorise if you have ideas as themes within your team.

#### Training methods

AI trained dataset	Use of machine learning dataset	Face to face learning tutors	Training exercises words and phrases
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#### Extra features

Video chat with subtitles	word conversion to multiple language	3D avatars hand signs	Interface for multi-line dictionary
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The product database from the specially edited will be generated in any case where conversion is achieved with the use of the data sets and also the data sets will be added to the database.

## 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

