

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	16 October 2022
Team ID	PNT2022TMID28552
Project Name	REAL- TIME COMMUNICATION SYSTEM 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.

**Reference:** <https://app.mural.co/t/skilljobrecommender6080/m/skilljobrecommender6080/1664443525852/1393822d7e2f4192fe8163a8ca91ededf24a2f1f?sender=u3b630fdc7a39485182dc1739>

#### 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

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**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](#) ➔

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#### 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

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PROBLEM

How might we [your problem statement]?



#### 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

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### 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!

Aruna

*Two way  
communications  
for deaf and  
dumbs*

*sign  
recognition*

*Image  
preprocessing  
and  
segmentation*

*Skin color  
detection*

Anshel Dany Merstin

*we can use  
both  
machine  
learning  
and  
deeplearning*

*Blob  
detection*

*template  
matching*

*people can use  
gloves to  
perform sign  
language and it  
will be  
converted into  
speech*

Akash

*we can  
create sign  
languages in  
videos are  
transfer into  
audios*

*Enables  
communication  
between deaf  
and dumb  
person,s*

*Image  
Segementation*

*Associative  
degree  
language  
can be  
used*

Harish

*user will do  
different  
hand gesures  
in front of  
camera*

*accuracy  
depends on  
camera  
and object*

*Real time hand  
tracking and  
training  
gesture using  
pscudo two  
dimension  
hidden markov*

*used in  
kalman filter  
and hand  
blods  
analysis for  
hand  
tracking*

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### 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

Aruna

*Two  
communications  
for deaf and  
dumb*

Anshel Dany Merstin

*We can use  
both  
machine  
and deep  
learning*

#### TIP

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

Akash

*We can  
create sign  
languages in  
videos are  
transfer into  
audios*

Harish

*Accuracy  
depends on  
camera  
and object*

### Step-3: Idea Prioritization

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## 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

