

Ideation Phase

Brainstorm & Idea Prioritization Template


Date	12 October 2022
Team ID	PNT2022TMID28610
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.

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



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](#) →




Define your problem statement

⌚ 5 minutes


Real-Time Communication System Powered By AI For Specially Abled


In our society, we have people with disabilities. The technology is developing day by day but no significant developments are undertaken for the betterment of these people. 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.





Key rules of brainstorming


To run an 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!

Pooja S

modifying goal based circumstances

translation should be faultless

Design the application with inclusivity to all types of people

Akilandeswari A

A Notification to remind them about their daily tasks

Research should be based on data centric perspective

video of hand gestures converted into speech

Yuvasri S

The System must be able to recognize braille language

An Alarm button can be sent up for any emergency uses for specially abled person

The System can be operated by voice commands and buttons

Princy F

track eye movement and use ML to assist smart prediction of the user's needs and wants.

Special adaptive hardware and software translate Morse code into a form that computers understand so that standard software can be used

The device can be made more portable by using small lipo batter

Kaviyadharshini S

The User should feel like a normal person by using this device

The battery must last longer and can work even with an emergency backup

The device must be small and are easily portable

Step-3: Idea Prioritization

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

TIP

Add custom color tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as shown within your group.

High-quality audio and video
↓
Messaging and chat
↓
Screen Sharing
↓
Meeting transcription
↓
Noise suppression and muting
↓
Language translation within meeting

LAN/Internet
↓
AADI display system
↓
Data Applications
↓
Custom Display Programs
↓
Instruments/sensors on serial cable

RTC
↓
Real-time computing
↓
Protocols are dependent
↓
Data transfers
↓
Two Types

Real time communication
↓
Web server
↓
HTML/CSS
↓
Web browser/Browser function

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

