


Ideation Phase

Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID25714
Project Name	Real Time Communication System Powered by AI For Specially Abled
Maximum Marks	4 Marks



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


template



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.





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 STATEMENT

A real time communication system needs some modifications before transferring different speech signals simultaneously on the same band or channel. The signals are sampled from analog audio signals with an introduction of quantization noise and sampling degradation.



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!

ELIYA MARTIN.J

Increasing accessibility

Audio to Text

Specialized training

Face your hands and body towards them

GOWTHAM.R

Keep conversation ordered and coherent.

Enriches relationship

Improved spatial reasoning

Interpreter always

PRAVEENKUMAR.R

Increase self esteem

Stay in the field of vision

Practice common phrases

Reduce frustration

TAMIL SELVAN.S

Special education system for higher studies

Maintain Eye contact Whilst movement

Use gestures and facial expression to help explain yourself

Speak at a normal volume



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

REQUIREMENTS

Relax, and treat it like any other conversation

Learn how they prefer to communicate

Always speak face-to-face

QUALITIES

Choose a quiet environment.

Look directly at the consumer and maintain eye contact.

Repeat and re-phrase if necessary



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

