

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID00647
Project Name	Real time communication system
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.


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


1


Problem statement


The project aim to develop a system that converts sign language into human hearing voice to convey the normal people. The app enables deaf and dumb to convey their information using sign which converted into human understandable 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.

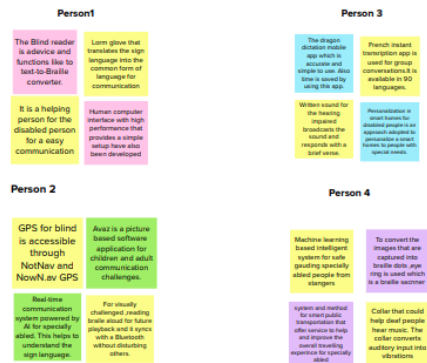
 If possible, be visual.

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

0



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

GROUP 1

The Blind reader is a device and text-to-Braile converter

Learn glow that translates hand-touched alphabet to a common form of communication.

Realtime communication system powered by AI for specially abled. This helps to understand the sign language.

For visually challenged reading. Braille about for future devices and it sync with a Bluetooth without disturbing others.

To convert the images that are captured into Braille dots, eye ring is used which is a Braille scanner.

Collar that could help deaf people hear music. The collar converts auditory input into vibrations.

Machine learning based intelligent system for safe guiding specially abled people from strangers.

Written sound for the hearing impaired broadcasts the sound and responds with a brief voice.

GROUP 2

Robotic helping hand, a new mechanism for helping disabled people in various circumstances.

Human computer interface with high performance that provides a simple setup have also been developed.

GPS for when a navigation through human computer interface. GPS is a system used and convenient for disabled people, specially, learning disabilities, etc.

Avat is a picture based software application for children and adult communication challenges. It is available in 90 languages.

System and method for street public transportation that offer service to help and improve the overall working members for specially abled.

The Digital Dictation module app which is accurate and simple to use. Also time is saved by using this app.

French instant transcription app is available in 90 languages.

Personalities is smart home for disabled people to as apartment adaptive to generate a smart home to people with special needs.

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

