

Ideation Phase

Brainstorm & Idea Prioritization

Date	19 September 2022
Team ID	PNT2022TMID09247
Project Name	Real-Time Communication System Powered by AI for Specially Abled
Maximum Marks	4 Marks

Problem Statement

The project aims 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 get converted into human understandable language.

Brainstorm



Person 1

The Blind reader is a device and functions like a text-to-Braille converter.

Lorm glove that translates hand-touched alphabet to a common form of communication.

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.

Person 2

GPS for blind is accessible through NotNav and NowNav GPS. It is simple to use and it announces the nearest street, crosswalks, turn-by directions, etc.

Avaz is a picture based software application for children and adult with communication challenges. It is available in seven languages.

Real-Time Communication System Powered by AI for Specially Aabled. This helps to understand the sign language.

For Visually challenged, Reading Braille aloud for future playback and it syncs with a Bluetooth without disturbing others.

Person 3

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

French instant transcription app is used for group conversations. It is available in 90 languages.

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

Personalization in smart homes for disabled people is an approach adopted to personalize a smart home to people with special needs.

Person 4

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

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

System and method for smart public transportation that offer service to help and improve the overall travelling experience for specially abled.

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

Group ideas



Group 1

- The Blind reader is a device and functions like a text-to-Braille converter.
- Lorm glove that translates hand-touched alphabet to a common form of communication.
- Real-Time Communication System Powered by AI for Specially Abled. This helps to understand the sign language.
- For Visually challenged, Reading Braille aloud for future playback and it syncs 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 guarding specially abled people from strangers.
- Written sound for the hearing impaired broadcasts the sound and responds with a brief verse.

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 blind is accessible through NotNav and NowNav GPS. It is simple to use and it announces the nearest street, crosswalks, turn-by directions, etc.
- Avaz is a picture based software application for children and adult with communication challenges. It is available in seven languages.
- System and method for smart public transportation that offer service to help and improve the overall travelling experience for specially abled.
- The Dragon Dictation mobile app which is accurate and simple to use. Also time is saved by using this this app.
- French instant transcription app is used for group conversations. It is available in 90 languages.
- Personalization in smart homes for disabled people is an approach adopted to personalize a smart home to people with special needs.

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.

