Ideation Phase
Brainstorm & Idea Prioritization Template

Date	28 October 2022
Team ID	PNT2022TMID25478
Project Name	Real-Time Communication System Powered by AI for Specially Abled
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

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

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm solo

Think and brainstorm your ideas in each squares

🕐 10 minutes

Jessica Judith S

Learn Sign language as an additional language	Use voice to text converter	Use any means of written communication
Use hearing aids or other amplifying devices	Use an app that converts the gesture into text in real-time	Build an AI model to recognize the gestures

Dymphna Mary C

Use body language to express thoughts	Text to voice message convertor	Sign language to text or speech convertor
Automation to predict the gestures	Vibration devices to indicate emergency	Device to transmit their message quickly

Pavithraa S

Tailor the conversation and let them determine its pace	we can use text to voice converter	By converting text message into voice messages
By using automation technology to forecast they gestures	App which alarm when they are in contingency to avoid disaster	After receiving message from specially abled people voice or text message should be send for their problem.

Punitha R

By an app that take the hand gestures as input using camera	Use of CNN model that is trained on different hand gestures	By making the model to predict appropriate meaning for the gesture
Making the app that displays text for the sign language	App that gives default or predefined gestures sign in case of emergency	By building an app that converts text to speech

3

Brainstorm as a group

🕐 15 minutes

We build an app gives predefined gestures in case of emergency

We can build an app that converts text to speech

Make the model to predict the meanning of the gesture

Use body language to express thoughts

Train the model by default gestures

We can use camera to get input of their gestures

Test the model by giving new gestures

Use Artificial Intelligence to identify the gestures

Step-3: Idea Prioritization

4

Decide your focus

🕐 5 minutes

Jessica Judith S   Dymphna Mary C

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Pavithraa S   Punitha R

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5

Idea Summary
🕐 5 minutes

The idea is to build an application which uses AI to detect the gestures made by the specially abled and convert them into speech for efficient communication