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

Step-2: Brainstorm, Idea Listing and Grouping

②

Brainstorm

Write down any ideas that come to mind
that address your problem statement.

⏱ 10 minutes

Pooja S	Akilandeswari A	Yuvasri S	Princy F	Kaviyadharshini S
modifing goal based circumstances	A Notification to remind them about their daily tasks	The System must be able to recognize braille language	track eye movement and use ML to assist smart prediction of the user's needs and wants.	The User should feel like a normal person by using this device
translation should be faultless	Research should based on data centric perpective	An Alarm button can be sent up for any emergency uses for specially abled person	Special adaptive hardware and software translate Morse code into a form that computers understand so that standard software can be used	The battery must last longer and can work even with an emergency backup
Design the application with inclusivity to all types of people	video of hand gustures coverted into speech	The System can be operated by voice commands and buttons	The device can be made more portable by using small lipo batter	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 and break it up into smaller sub-groups.

🕐 20 minutes

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

Importance

If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

Cheeks muscle movement can be used to word they are trying to speak

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

The machine is made to learn all the actions so that it easily detects the movement of the person

Placing a sensor that detects hand sign and gets inputs through camera which is then converted into speech

TIP

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the **H key** on the keyboard.

The software can work both online and offline