PROPOSED SOLUTION

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The proposed solution for Real-Time Communication System Powered by AI for Specially abled person is detailed in this session which includes the problem statement, idea, novelty, social impact, business model and scalability of solution.

Problem Statement:

→In dark place the impaired people are not able to communicate with others.
→The normal people are not able to easily understand the sign language of impaired people.
→In traffic place, crossing road is very difficult one for the Specially abled person.
→Public announcements are not reached to the impaired person.

Idea:

✓ The proposed device will find the vehicle horn sound and send the alerts through message.
✓ Public announcements are sent to mobile of impaired person via SMS.
✓ It also provides messaging features for both deaf and normal people.

Novelty:

- Sign language of the user is measured by a device in dark is measured using flash on the device.
- It converts the acoustic vector by using Pronounciation dictionary and language model.
- The near object information is sends to the user it may avoid the injuries and shock reactions.
- The device may send the traffic situation through the mobile messages.

Customer satisfaction:

- It can be carried easily due to light weight.
- This is a user-friendly device.
- The GPS present in the device may found the location of the impaired device so we can easily find the missed impaired persons.

Business Model:

- It is no more cost than previous designed devices.
- The users will not need to maintain or replace the device after buying.

Scalability of Solution:

- The scalability of the solution may increase due to large battery life.
- It designed as light weight device.
- Low cost than previous devices.
- It is a user-friendly device.