

Literature Survey

1. *Real-Time Communication System*

Many of us think that artificial intelligence represents an abstract and futuristic notion we only see in sci-fi films with humanoid robots and holograms. However it's more and more grounded in our reality reaching various fields and categories of people including people with disabilities.

Artificial intelligence truly revolutionizes accessibility and inclusion! Thanks to AI technology solutions, people with disabilities can drastically improve their everyday lives.

2. *AI: Specially Abled*

Artificial intelligence is not designed to replace humans but rather to enhance our lives by helping us do things we are unable to do on our own. Many companies are working on this type of research which means there will likely be many new developments soon.

These innovations could positively impact everyone's life – even those without disabilities – because they make everyday tasks easier and less time-consuming.

3. *Facial recognition*

Facial recognition technology is quickly becoming a part of everyday life. It's used to improve public security, the accuracy of photo tagging and even make grocery shopping easier. This means that people with disabilities can get a job or go out without needing a caregiver or companion to help them find their way around and do things independently.

4. *Predictive Text*

Predictive text is a type of software that predicts what you are typing before you finish your sentence. It was originally designed for people who struggle to write because they have conditions like arthritis, cerebral palsy, or Parkinson's disease.

5. *Smart home Technology*

Smart home technology can be a great benefit for those with limited mobility. Through simple voice commands allowing to communicate what they need and request the information they are seeking, they can control nearly every aspect of their home from switching on/off lights, adjusting the temperature to turning off the stove, and playing music.

AI-assisted smart home technology can be very helpful for people living with disabilities, assist them in moving around the home, and support more independent living.

6. *Increase Accessibility*

AI technology can empower people living with limited physical mobility. Microsoft's AI for Accessibility program uses the potential of Artificial Intelligence to develop solutions to many physical and cognitive challenges disabled individuals face at work and in daily life to promote social inclusion for them.

Microsoft's initiative aims to increase independence and productivity for disabled people in employment, daily life, and communication.