

This can take HealthTech to the next level

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Assistive technology can make a huge difference to the quality of life for those who need extra support. It can improve patient outcomes, reduce healthcare costs, and promote independence among vulnerable populations

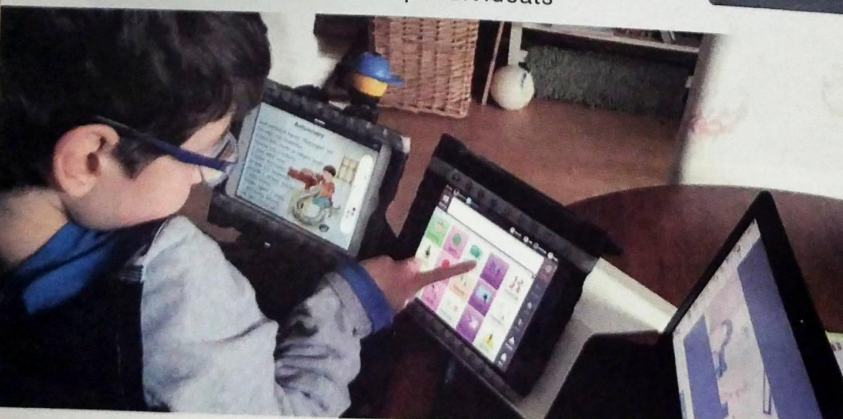
Assistive technologies are tools or devices that help people with disabilities, impairments, and other limitations perform tasks that would otherwise be difficult or impossible for them. These assistive technologies range from simple aids such as wheelchairs and walkers to more complex systems such as smart home systems and telehealth applications. Examples of assistive technology in health and social care include:

- **Mobility aids:** Devices such as wheelchairs, walkers, and scooters to help



individuals with mobility challenges to move around.

- **Communication devices:** Devices such as speech-generating devices and text-to-speech software to help individuals



with communication challenges to express themselves.

- **Medical devices:** Devices such as glucose monitors, blood pressure monitors, and pulse



oximeters to help individuals manage their health conditions.

- **Home modifications:** Home modifications such as grab bars, stairlifts, and wheelchair ramps to make homes safer and more accessible for individuals with disabilities.

- **Adaptive input devices:** Devices such as



adapted keyboards, mice, and touchpads to help students with physical disabilities access the computer.

- **Classroom technology:** Technology such as interactive whiteboards, document cameras, and educational software to enhance the teaching and learning experience.

- **Vision aids:** Devices such as magnifiers, closed-circuit televisions (CCTVs), and



screen readers to help individuals with visual impairments access information.

- **Hearing aids:** Devices such as hearing aids, cochlear implants, and alerting devices to help individuals with hearing impairments communicate and access information.

- **Monitoring and safety systems:** Systems such as fall detectors, medication reminders, and emergency response systems to help



Sensor technology



Fall detection

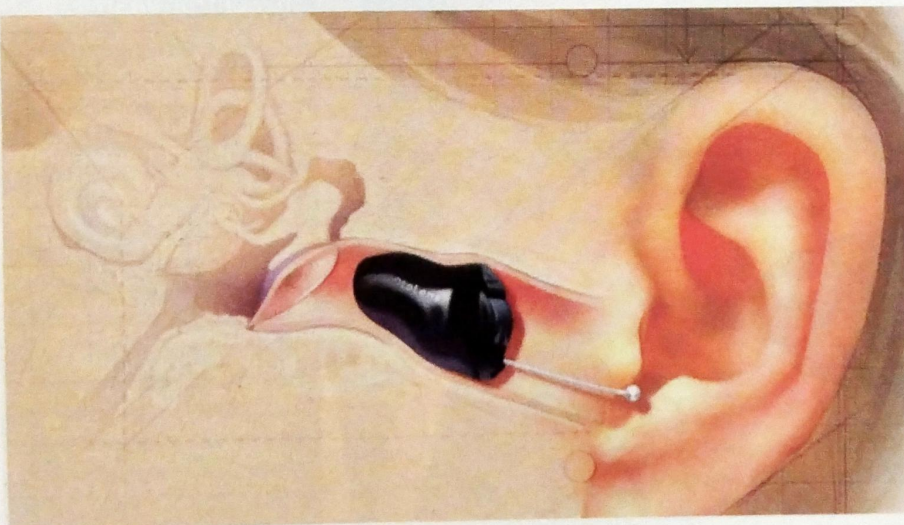


Urgent response

ensure the safety of individuals who live alone.

- **Adaptive software:** Software such as mind-mapping and organizational tools, word prediction software, and visual aids to help individuals with learning difficulties.

These are just a few examples of the wide range of assistive technology products and services available. With these tools and resources, they can overcome barriers and achieve their full potential. ■



Top 20 innovative Assistive technology startups

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Introducing —

India's First Integrated Head Mouse for PwD's

Mouse Ware

₹15,000
Buy Now

- 90+ Hours of Active Usage
- OS Supports all Major Smart Devices
- Advanced Speech to Text Engine
- Plug & Play

▼ **Dextraware Devices**

Dextraware Devices is a startup that is developing a head mouse for people with upper-limb disabled to control smart devices. Mouseware is an affordable head-wearable device that enables hands-free operation of computers & smartphones.

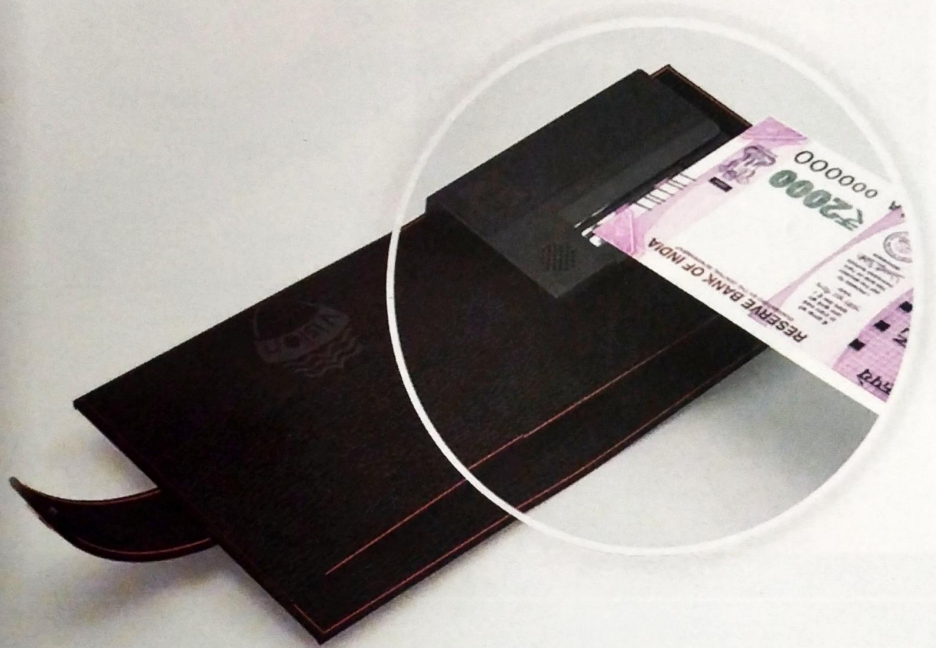
Mouseware helps you to operate smart devices with any operating system hands-free. This helps people with various conditions use computers without the need for a mouse or any pointing device.

▼ Kidaura Innovations Pvt Ltd

A startup developing a digital game based screening tool for autism and developmental conditions. They are also creating a child therapy delivery platform for providing assistance in home-reinforcement of therapies.

▼ H Vision & Innovations LLP

Vision has invented a wallet that allows blind people to identify currency notes and also determine if they are authentic or fraudulent. Vision has also invented the world's most compact currency note checker for the sighted people which is so compact that one can use it as a key chain, attachment on smart phone cover, wallet/ purse etc.



▼ Backyard Creators Pvt. Ltd.

Backyard Creators is building a world's first Adhesive Non Surgical hearing device for by birth and severe hearing loss patients without the hearing implant surgeries. They are overcoming all the disadvantages of Implantation surgery by providing a non-surgical adhesive hearing aid.

▼ Learn and Empower Pvt Ltd.

Startup that developed a game based teaching and assessment platform that enables the deaf and hard of hearing kids practice and understand what they learn at school 4-6x better while enabling the educators to use it as a teaching aid and assessment tool.

▼ NEMA Artificial Intelligence Pvt Ltd.

NEMA AI is India's first EEG based special education platform for the children with special needs that helps in assessment and curation of learning content based on their strengths and weaknesses.

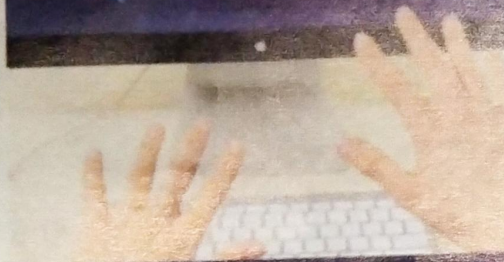
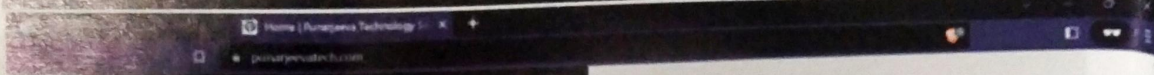
▼ Ripple Healthcare Pvt Ltd

A startup developing a product "HIP PRO+" is a smart wearable device that protects elderly from the traumatic and often deadly fall-induced hip injuries. With an acceptable design offered at a fractional cost, it empowers the elderly to lead a dignified lifestyle.

Punarjeva Technology Solutions

A startup reimagining the rehabilitation of society through gamified physiotherapy by exploiting the technological tentacles and providing opportunities that help them lead an independent and supreme life by stitching knowledge into the tasks.

Their portfolio of products include Samatved (Balancing Gamified Exercises for Lower Body), HASTH (Handtracking based system for fine motor skills), Tatvika (VR based solution for physiotherapy, cognitive and music therapy) and Nibodh (Blended Learning product for problem solving and interactive skill development.)



HASTH

HASTH is a hand tracking based system for the improvement of fine motor skills specially in the finger movements.

- Gamified application for improving fine motor activities.
- Enabling the flexibility and control in the finger movements.
- Reduces the shivering of fingers through different activities.

[Watch Video](#)



SAHAY

SAHAY is an all-inclusive platform with the best accessibility suited mobile applications.

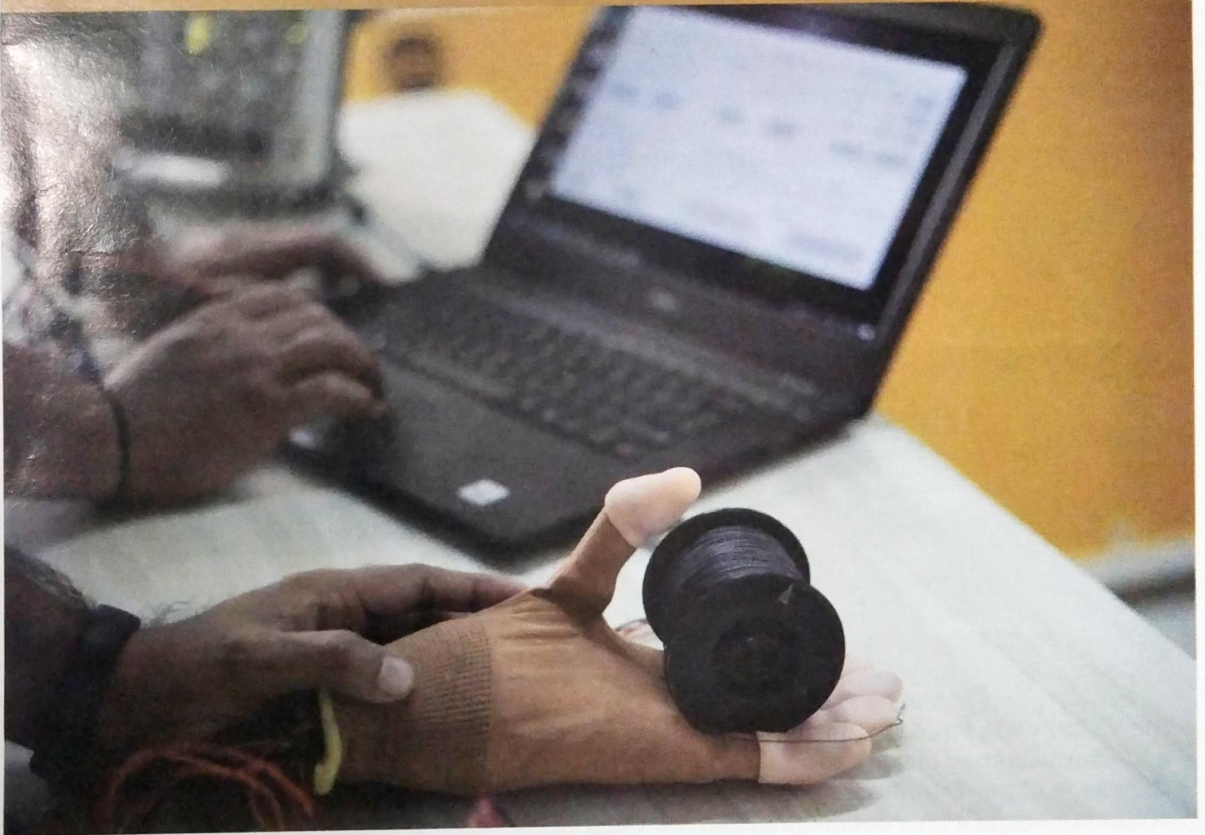
- Bundled with a mobile device and balancing wobble board.
- The platform is aimed at providing support for speech training, limb movement, cognitive and learning improvements and AAC applications.

[Watch Video](#)



▼ Robo Bionics

Assistive Tech Solution company with a focus on Rehabilitation of Hand related issues like Amputation, Limb Difference, Nerve Damage, Paralysis, Tendon Injury etc. Their Core competency involves providing a Sense of Touch to such solutions to improve the user experience and accelerate rehabilitation and User Independence.



▼ Vifr

Vifr Tech is harnessing the power of VR for training and educating neurodiverse young adults in a fun way. Their product, Halara is a complete virtual reality special education platform to train and teach young adults with autism and other neurodevelopmental conditions.

