Editor 's Desk

Dear friends,

There is so much of perceptible fear around, as the pandemic touches people close to us.

Attitude is a little thing that makes the big difference-particularly **A Positive One** .This will tide us through the tiresome fight against the pandemic.

Regards,

Bhavna Botta

connectspecial.in

Innovations Corner

STRAP

STRAP is a wearable, hands-free, device with an innovative array of sensors that work by sending real-time information that detect obstacles at the head, chest, and below — including oncoming bumps, holes, overhanging objects and steps. STRAP is designed for all ages and abilities, and offers obstacle detection, stair detection, advanced haptic feedback, straight line navigation and orientation. It can also distinguish between physical objects and people. The device once charged can last up to 72 hours .

The device was first developed in Mexico by STRAP Technologies.STRAP works by sending real-time information from sensors and issues vibrations that alert the wearer in real-time. With a completely intuitive and connected experience, STRAP becomes a new sense and way of seeing and feeling the environment.

https://strap.tech/

Picture shows a square black device,rounded at corners ,and with netted texture having four straps for hanging

Smart Eyeglasses'

'Smart Eyeglasses' is smart eyewear with artificial intelligence capabilities for the visually challenged. Using Camera, Audio Module, On Chip Processor, AI, and Cloud Infrastructure, The smart eyewear captures the image using in-built camera which is then deconstructed and processed using on-board specialized low power processor tailored for computer vision and deep learning. The processed information is conveyed to the user using an audio module. In addition, the information is relayed to the cloud for further artificial intelligence-based processing. The product has facial recognition capabilities, scene recognition & description, money Reading-Currency bills and also read text on mobiles, books or newspaper, sign Boards. Thus a complete independent navigation solution .

hello@mytorchit.com

Picture shows the smart eyeglasses and the visual of a road scene with highlighted words for persons, car, fire hydrant, truck.

Inclusive Ideas

Predictable

Predictable is designed for people who are literate but don't have the ability to speak possibly due to cerebral palsy,motor neurone disease (ALS), autism, laryngectomy,stroke, apraxia .Predictable offers an enhanced head tracking feature using face recognition technology available on newer iPad Pro devices.

https://therapy-box.co.uk/predictable

InstaReader

InstaReader creates audio books from photos of textbooks, PDF,TXT,DOCX and WebPages instantly and will read out the audiobooks.

InstaReader is also specifically designed for visually challenged and people with learning difficulties to read independently without the help from readers.

There are four options to create audio books.

1) By taking photo of the book from within the app

2) By uploading images

3)By uploading PDF

4)By uploading TXT files

5)By uploading DOCX

6)From WebPage Link

https://play.google.com/store/apps/details?id=com. suyam.instareader&hl=en_IN&gl=US

Microsoft Soundscape

A map delivered in 3D sound

Originally featured at

http://www.accessandinclusion.news/#/

https://www.microsoft.com/en-us/research/product/soundscape/

Microsoft Soundscape is a product from Microsoft Research that explores the use of innovative audio-based technology to enable people to build a richer awareness of their surroundings, thus becoming more confident and empowered to get around. Unlike step-by-step navigation apps, Soundscape uses 3D audio cues to enrich ambient awareness and provide a new way to relate to the environment. It allows you to build a mental map and make personal route choices while being more comfortable within unfamiliar spaces.

Soundscape is designed to be used by everyone and live in the background; therefore, feel free to use it in conjunction with other apps such as podcasts, audio books, email and even GPS navigation!

Soundscape provides information about your surroundings with synthesized binaural audio, creating the effect of 3D sound. It can run in the background in conjunction with navigation or other applications to provide you with additional context about the environment. Your phone, in hand or in pocket, tracks movement using location and activity sensors, and lets you move toward a self-set audio beacon. Soundscape runs on iPhone SE, iPhone 6S or later and is compatible with most wired or Bluetooth stereo headsets.

https://youtu.be/BMG1uVuBW3w

Augmenta11y

It is an Augmented Reality (AR) app that helps people with learning disabilities like dyslexia easily read signage, paper, and other material in the real world.

Augmenta11y is a one-stop platform that aims at making life easier on a regular basis, simplifying the process of interacting with objects and text-based data (such as billboards, street signs, hard copy documents, online data) that one may encounter with through the course of their day.

The application is fairly intuitive to use, simply point your device at the object at hand and let Augmenta11y work its magic.

https://oswaldlabs.com/platform/shravan/apps/augmenta11y

Keeble

Type confidently with this accessible keyboard

This accessible keyboard is designed to make typing in almost any iOS app easier and faster for people with physical and vision impairments, and also has features to support dyslexics. Keeble works in two ways - making it easier for you to type, and speeding up your typing. Visually, it's highly customizable - from colors to a wide range of fonts, including a dyslexia font. It's also designed to respond in ways which help you

reduce typos and slip ups– selecting keys on release and speaking as you type for example.The predictive text feature offers suggestions based on what you're typing. This not only saves you keystrokes - it can reduce typing effort by up to 60%.

https://www.assistiveware.com/products/keeble

Kibo: Accessibility for all (Blind & Low-vision)

Kibo is a one-stop solution for any multilingual printed, handwritten and digital content accessibility. Kibo makes reading and learning experience inclusive and immersive for all .
It helps you read text across multiple international languages through audio. It supports multiple formats including PDF,TXT,EPUB, DAISY,MP3, OPUS, AAC, DOCX, JPG, along with PNG. You can also capture and read text from physical documents in real time. It can open the e book library and give access to a repository of 1 million+ books to download and listen

https://play.google.com/store/apps/details?id=com.trestle.labs.
kibo&hl=en_IN&gl=US

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