September,2021

CONNECT special

Edition 66

Editor 's Desk

Dear friends,

Creativity is thinking up new things.
Innovation is doing new things.
-Theodore Levitt .
An inclusive innovation leads to change and becomes a trend setter.

Regards
Bhavna Botta
http://www.connectspecial.in/

Inclusive ideas

GoodMaps Explore

Navigating the indoors and outdoors safely is challenging for anyone, but more so for the visually impaired.GoodMaps Explore is an accessible navigation application that offers navigation inside buildings and public venues via your smartphone.

The Explore app builds upon GoodMaps Studio, which allows venue owners to update and customize indoor maps. The Explore app then uses the smartphone's camera and LiDAR sensor to recognize the user's surroundings and identify where they are on the map. The app then provides the location and descriptions of the environment via the speaker or user headset.

https://www.goodmaps.com/

Sravi

Liopa, a company that's developed AI-based lip-reading technology, created an app called Sravi that's designed to recognize specific phrases by analyzing lip movements.

Sravi has been helpful in intensive care units .ICU clinicians tend to use tracheostomies to wean patients off of ventilators, which prevents the patients from talking. Those patients can benefit from an app like Sravi.

Clients use the app by downloading it to their phone or tablet and then holding the device up toward a patient. Sravi captures video of the patient speaking, and a deep neural network maps lip movements to figure out what someone is attempting to say. That information can be sent back to the health care provider's phone or tablet in textual form or as a synthetic voice.

https://liopa.ai/

Lookout

Use Lookout to explore your surroundings

Lookout uses computer vision to provide information about your surroundings. Lookout uses the camera and sensors on your Android device to recognize objects and text, then tells you what it sees.Lookout has 5 modes that you can use for different activities.

Text mode

By default, Lookout starts in Text mode. Point your camera at any text. For example, try this mode to sort mail or read signs.

If the text isn't read clearly, rotate your device between landscape and portrait, or move the text closer or farther away.

Explore mode (beta)

Important:Explore mode is still in beta and is less accurate than other modes.

Point your camera around you to hear about what's in your environment, such as objects and text.

Food labels mode (beta)

Important: Food labels mode is currently available only in some countries. The first time you select Food labels mode, follow the prompt to download additional data. This download lets Food labels mode recognize food labels, get results faster, and work offline.

Lookout can scan barcodes or recognize the front of a packaged food product. Hold the product's label in front of your camera and slowly rotate it.

Documents mode

Use this mode to read full pages of text. Hold your device in portrait mode, move it slowly, and listen for

Currency mode

Important: Currency mode doesn't recognize coins and only works with US Dollars.

Aim your camera at one banknote at a time.

Innovative Ideas

Chinese startup creates AR eyewear that converts speech into text

http://www.accessandinclusion.news/

https://disabilityinsider.com/2021/09/09/technology/chinese-startup-creates-ar-eyewear-that-converts-speech-into-text/

Chinese startup LLVision Technology has launched eye wear for people with hearing disabilities that converts speech into text, reported Nikkei Asia.

LLVision creates augmented reality (AR) optical and display modules. The company utilized data from its own surveys to create AR products for the hearing disabled community.

When communicating in-person, people with disabilities may rely on lip reading, which can sometimes result in misunderstandings.

LLVision aims to fix these issues using neurolinguistic programming — an important aspect of artificial intelligence (AI) — which

allows almost instant speech recognition to enable accurate translation of text.

LLVision has combined machine translation with AR glasses and voice recognition functions from VolcEngine — a big data and AI unit of Chinese tech company ByteDance — to create text platforms for people with hearing disabilities.

Text is displayed clearly with very little delay, even in conversations with numerous people from different distances and directions. The company says the eye wear technology is so advanced that it can even differentiate homonyms based on speech context.