

**AUGUST 2024**



**Edition 101**

***Editor's Desk***

Dear friends,

“Knowledge with action converts  
adversity into prosperity.”

– A.P.J. Abdul Kalam

Happy Reading !

Regards,

Bhavna Botta

<http://www.connectspecial.in/>

## Inclusive Designs

### GUIDI

AI Guided was founded in 2020 in Hong Kong. An award-winning health-tech start-up from the incubation program in Hong Kong Science Park. This specializes in AI, haptic-reflex actuation, and environmental visualization, especially for smart cities, social connectivity, and social welfare applications.

GUIDI scans the surrounding with advanced AI vision technology and guides users in an obstacle-free path with directional vibrations. Be your eyes by navigating the world safely as your most reliable companion.

Scans your surroundings with LiDAR/RADAR sensors, detects all of levels of obstacles from toe. Gentle vibrations from different directions warns you from obstacles ahead. By pairing with the NAVi app on your phone, you can enable path-finding features for GUIDI to guide you to desired locations on map.

<https://www.ai-guided.com/product>



Picture shows a person wearing GUIDI like belt around the waist

## **TranscribeGlass**

People with hearing loss and deaf people communicate in many ways—sign language, lip reading, hearing aids, etc. However, methods such as hearing aids and cochlear implants can be very expensive to acquire. Meanwhile, signing and lip reading require eyes on the speaker

TranscribeGlass™ shows closed captions from any source on a transparent display in your field of vision.

Comfortable wearable assistive technology device for Deaf, Hard of Hearing, elderly, and other people who want to improve their comprehension of spoken communication using captions. It connects to your phone and uses that device's onboard processing to transcribe what it hears, then projects the text onto the tiny transparent display hovering above the eye.

You'll be able to resize the font, adjust the scrolling speed and choose your language model of choice, since TranscribeGlass uses third-party APIs for translation. Yes, it converts foreign languages into one you understand, too.

<https://www.transcribeglass.com/>

## **Innovative Designs**

### **Mand.ro Mark 7D by Mand.ro Co.**

The Mand.ro Mark 7D is a highly adaptable modular robot finger meticulously designed to meet the needs of individuals facing upper-limb disabilities. It includes a robust brush less DC motor, a sensor apparatus, and a two-stage reducer integrated with an embedded system. This solution has been systematically engineered to accommodate both partial hand impairments and a wide range of upper-limb amputations. It is affordable, Light-weight

Robotic Prosthetic Solutions. Extremely easy to store, charge, and wear on/off. Extremely good functionality, grasping patterns and EMG sensors

<http://mand.ro/>

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