DRIISTI - AI-BASED SMART VISION GLASSES

Experience driven through mobile phone

With this device, individuals with visual impairments can experience the world in a more interactive, and engaging way.

1 OBJECT DETECTION

2 FACE RECOGNITION

3 READING ASSISTANCE

4 INDOOR NAVIGATION

"BrailleNote" touch keys

Object detection

Camera

Flash

Using "OpenAI" and homegrown AI we are able to provide unique experiences for the visually impaired

OBJECT DETECTION

Advanced algorithms and computer vision technology
enable the glasses to recognize & identify objects.
Close to 1000 objects have been trained into the model.

FACE RECOGNITION

Easy recognition of family and friends by storing
multiple live images using a simple voice
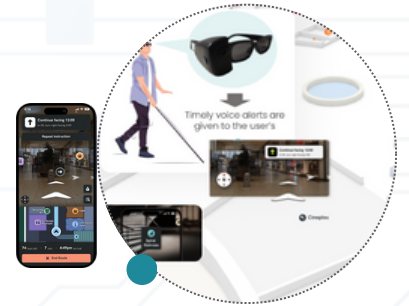command or a single button click

READING ASSISTANCE

Read aloud any text from a paper or a screen with a
simple voice command.
AI is used to convert any text image to speech

INDOOR NAVIGATION

2D maps are uploaded into ChatGPT and
navigation is communicated to the user
via mobile

KIMS FOUNDATION & RESEARCH CENTER
RESEARCH . INNOVATION . HEALTH

achala
enabling Patient-First experience

In collaboration, we have embarked on a mission to enhance the lives
of the visually impaired. We worked closely with a few visually
impaired students to fine-tune our solution. On World Vision Day,
October 10th, 2024, the KIMS Foundation & Research Center will
donate 100 glasses to visually impaired students.

KIMS Foundation and Research Centere

#1-8-31/1, Minister Road, Secunderabad – 500003
Telangana, India.
driisti@kfrc.co.in
www.kfrc.co.in