MiniProject

Group: 4

Group Members:

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AI (Artificial intelligence) Spectacles for Blinds

System Study

There are some **existing systems** like smart watch, bands and hearing aid machines that help blinds by giving limited features like time and making phone calls. But the needs of blind people are more even though they can't find their own things without anyone's need, so how we solve this...

We are introducing a **proposed system** AI Spectacles for Blinds; the spectacles consist of an input camera and a part of headset. The working of the AI specs is the objects and obstacle's in front of blind person are captured by the camera was detected then recognize and covert into voice and then passed through headsets.

Prerequisites: Hardware's required:

- YOLO v3 Weights   Specs
- TensorFlow 2.3   Camera
- OpenCV 4.2   Raspberry Pi
- Python 3.8   headsets
- COCO Dataset   Powerbank

For more details:

https://github.com/lekshmu/miniproject.git