

Abstract

AI (Artificial intelligence) Spectacles for Blinds

Ever though how the life of a blind person, their life is full of risk. They can't even walk alone through a busy street or cross the road or through a park. They shall need some assistance from others. They are also curious about the beauty of the world. They should have will be the excitement to explore the world and to be aware of what is happening in front of them. Even though they can't find their own things without anyone's need, so how we solve this...

We are introducing an 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:

- YOLO v3
- TensorFlow 2.0
- OpenCV
- Python 3.0

Hardware's required:

Specs
Camera
Raspberry Pi
headsets