

Facial Recognition Smart Glasses for Visually Challenged People

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***Abstract:** There are millions of disabled people worldwide who constantly require assistance. Individuals with visual hindrance face many difficulties in their day to day life as present day assistive gadgets frequently don't meet shopper prerequisites in wording of cost and level of help. Here is a brand-new design of smart glasses for those with vision impairments.. The project of Blind assistance aims to raise awareness of a broad problem in computer vision, such as the blind's daily recognition of people in their surroundings. In order to perform the required recognition, a dataset of people gathered from everyday scenes is created. Designing and implementing blind glass-based real-time object recognition is the project's main goal.*

Keywords: Raspberry Pi, OpenCV, the Haar cascade algorithm, a database, a camera, and an acoustic feedback device.

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