

Visual Assistance for Blind using Image Processing

Abstract:

Visually impaired people face lot of difficulties in their daily life. Many a times they rely on others for help. Several technologies for assistance of visually impaired people have been developed. Among the various technologies being utilized to assist the blind, Computer Vision based solutions are emerging as one of the most promising options due to their affordability and accessibility. This paper proposes a system for visually impaired people. The proposed system aims to create a wearable visual aid for visually impaired people in which speech commands are accepted from the user. Its functionality addresses identification of objects and sign boards. This will help the visually impaired person to manage day-to-day activities and to navigate through his/her surroundings. Raspberry Pi is used to implement artificial vision using python language on the Open CV platform.

SHIELD TECHNOLOGIES

SHIELD TECHNOLOGIES,
2232, 3RD FLOOR, 16TH B CROSS, YELAHANKA NEW TOWN, BANGALORE-64

Mail us: shieldtechnobl@gmail.com / manager@shieldtechno.com

Contact: 9972364704 / 8073744810