IoT based Blind Person’s Stick

Foundation of Computer Science (FCS), NY, USA

Volume 182
Number 16

Year of Publication: 2018

Authors:
Md. Wahidur Rahman, Rahabul Islam, Md. Harun-Ar-Rashid

Abstract

This research paper emphasizes on the blind persons of our society. We built our paper with prototyping the features and also real life application. We mainly focus IoT in our research. Enriching our research with variety of sensors. We embellish our project with (i) GSM, the core of IoT this can detect the location of the blind person and makes necessary messages based on the values of different sensors which are transmitted to relatives of the user (ii) Utilizing multiple sensors our stick have ability to make command that can be compared as eyes of blind person (iii) also Using some indicator to prove that user is blind. This stick can find out any type of obstacles around the blind person like left, Right, Up and Down. Controlling system is very facile. Thus, any blind can have ability to operate it.

References

1. Shinohara, K. "Designing assistive technology for blind users" In Proceedings of the 8th


Index Terms

Computer Science  Information Sciences

Keywords

GSM, Sensor, Arduino, intellectual stick, LDR, Ultrasonic sensor, Speaker.