

Shoe for Blind People

Prof Mahesh Ashok Vyavahare¹, Parag Patil², Yash Ganjale³, Varad Kulkarni⁴, Pranav Pawar⁵

Professor, Department Computer Technology¹

Students, Department Computer Technology^{2,3,4,5}

Pimpri Chinchwad Polytechnic, Pune, Maharashtra, India

Abstract: *Eyes play important role in our day to day lives and are perhaps the most valuable gift we have. This world is visible to us because we are blessed with eyesight. But there are some people who lag this ability of visualizing these things. Due to this, they will undergo a lot of troubles o move comfortably in public places. Hence, wearable device should design for such visual impaired people. A smart shoe is wearable system design to provide directional information to visually impaired people. To provide smart and sensible navigation guidance to visually impaired people, the system has great potential especially when integrated with visual processing units.*

Keywords: Blind People

REFERENCES

- [1]. Ariba khanam, Anuradha Dubey, Bhabya Mishara, " A Smart Assistive Shoes for Blind People", International Journal of Advance Research in Science and Engineering, Volume No.07, special issue No .01, April 2018.
- [2]. S.D. Asha Mahesh, K.Raj Supriya, M.V.S.S.N.K. Pushpa Latha, P. Gowri, T.Sonia, B. Nani, " Smart Assistive Shoes and Cane: Solemates for the Blind People", International Journal of Engineering Science and Computing, Volume 8 Issue No.4, April 2018.
- [3]. M. Madhu Meena, M.K. kadiravan, R. Kowsalya, R.J. Lokharaj, "Li-Fi Based Smart Shoe for Blind", International Journal of Engineering Science and Computing, Volume 9 Issue No.3, March 2019.
- [4]. Ziad O. Abu-faraj, Paul Ibrahim, Eile Jabbour, Anthony Ghaoul, "Design and Development of a Prototype Rehabilitative Shoes and Spectacles for the Blind", 5th International Cofereence on BioMedical Engineering and informatics, 978-1-4673-1184-7/12/\$31.00, 2012.
- [5]. Saylee Begampure, Renuka Deshmukh, Sheetal Chotaliya, Shubham Sirsat, " Smart Navigational Shoes for the Blind Person", International Journal of Innovative Research in Electrical, Electronics, Instrumentation and control Engineering, Volume 6, Issue 4, April 2018.
- [6]. Shlesha Khursade, Malavika Karunan, Ibtisam Sayyad, Saloni Mohanty, "Smart Shoes: "A Safe Future for the Blind", International Journal of Innovative Research in Computer and Communication Engineering", Volume No.6, Issue 5, May 2018.
- [7]. Saloni Mahanty, Malavika Karunan, Ibtisam Sayyad, Shlesha Khursade, "Smart Shoes for Visually Impaired", International Journal of Advanced Research in Computer and Communication Engineering, Volume 6, Issue 11, November 2017.
- [8]. Shubham Rastogi, Pankaj Dhall, Rishav Agarwal, Shristhi Thakur, "Smart Assistive Shoes and Cane: Solemates for the Blind People", International Journal of Advanced Research in Electronics and Communication Engineering, Volume 6, Issue 4, April 2017.
- [9]. Vikram Singh Parmar, Krishna Sai Inkoolu, "Designing Smart Shoes for Obstacle Detection", Empowering Visually Challenged Users Through ICT", International Federation for Information Processing, 97-68-3-319-6768, August 2017.