2021 International Conference on Artificial Intelligence and Machine Vision (AIMV)

stive Navigation System for Visually Impa and Blind People: A Review

Noopur Tyagi
f Computer Applications
Jniversity Institute of
ing and Technology,
kara University
'unjab, India
'agi@chitkara.edu.in

2nd Deepika Sharma
Department of Computer Applications
Chitkara University Institute of
Engineering and Technology,
Chitkara University
Punjab, India
deepika.sharma@chitkara.edu.in

3rd Jaiteg Sin
Department of Computer
Chitkara University I
Engineering and Tec
Chitkara Univer
Punjab, Indi
Jaiteg.singh@chitka

hisham Sharma
cience and Engineering
Department,
University School of
ing and Technology,
kara University
hal Pradesh, India
na@chitkarauniversity.ed
u.in

5th Sushil Narang
Computer Science and Engineering
Department,
Chitkara University School of
Engineering and Technology,
Chitkara University
Himachal Pradesh, India
sushilk.narang@chitkara.edu.in

he emergence of modern technologies in healthcare the Internet of Things, Wireless Sensor Network, rning, etc. has ameliorated the cognitive abilities of increased accessibility of healthcare data and the growth of advanced analytics can be attributed to ve amalgamation of these technologies. These have adaptive and self-correcting capabilities to uracy depending on the information. Assistive ables independence and attainment of quality of and visually impaired people. With the support of ation tools, assistive technologies aid the people lity to move across inside as well as the outside The major concern of a visually challenged and

Assistive devices play a vital role in an unkno visually impaired or blind persons to navig facilitates the movement from one location to ages, they have used the guidance of dogs (speci human guides (hand in hand with sighted guide to navigate in indoor and outdoor environn research works are being done in the navigat visually impaired people but only some continuation. Some research may appear to be principle, but it is not practical for the user. acceptance of such devices is low. Other factor range of the device, power consumption, con