

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211018032 A

(19) INDIA

(22) Date of filing of Application :28/03/2022

(43) Publication Date : 15/04/2022

(54) Title of the invention : DEVELOPMENT OF SCENE PERCEPTION SYSTEM FOR VISUALLY IMPAIRED PEOPLE USING IOT BASED SYSTEM

<p>(51) International classification :G09B0021000000, A61H0003060000, A61F0009080000, G06Q0050260000, C09K0011020000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Dr. Shailendra Kumar Address of Applicant :Professor Department of Civil Engineering, School of Studies of Engineering & Technology Guru Ghasidas Vishwavidhalaya, Bilaspur, India -----</p> <p>--</p> <p>2)Dr. Alok Kumar Singh Kushwaha 3)Dr. Abhishek Kumar 4)Ankit Kumar Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. Shailendra Kumar Address of Applicant :Professor Department of Civil Engineering, School of Studies of Engineering & Technology Guru Ghasidas Vishwavidhalaya, Bilaspur, India -----</p> <p>2)Dr. Alok Kumar Singh Kushwaha Address of Applicant :Associate Professor Department of Computer Science and Engineering, School of Studies of Engineering & Technology Guru Ghasidas Vishwavidhalaya, Bilaspur, India -----</p> <p>3)Dr. Abhishek Kumar Address of Applicant :Assistant Professor School of Computer Science and IT JAIN (Deemed to be University), India Bangalore India -----</p> <p>4)Ankit Kumar Address of Applicant :Assistant Professor Department of Computer Engineering & Applications GLA University Mathura India -----</p>
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(57) Abstract :

Although there is signage for the blind in big cities, adequate spaces and training, it is necessary to integrate technology into the device they use as a guide. Research worldwide opens the door for further development of technologies implemented in this critical component. The implementation of the device is aimed at the visually impaired population, who face adverse and unfavourable situations causing incidents. This situation arises due to society's general lack of knowledge about how to interact with people with visual impairment in different circumstances, such as in education and everyday life, and the potential of these people, their needs, abilities, and contributions to social life. The study built on previous work to develop intelligent canes based on these considerations. Finally, it is essential to note that invention is being developed to improve quality of life and mobility.

No. of Pages : 17 No. of Claims : 5