IJARSCT

International Journal of Advanced Research in Science, Communication and Technology

IJARSCT ISSN: 2581-9429

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 5, Issue 7, May 2025



Smart Shopping Facilitator for Visually Impaiared using Speech to Text AI Model

Nikita Anil Manjul, Om Rajendra Shete, Apeksha Suhas Phapale, Prof. S. Y. Mandlik

Department Computer Engineering Jaihind College of Engineering, Kuran Pune, India

Abstract: Visual impairment is one of the disabilities of a human being. To date, numerous methods have been proposed to enhance the lifestyle of visually impaired and blind people. Still, purchasing products in the e-shopping application without others' support is tricky for them. The project describes a system that guides to help them in identifying and purchasing products in a supermarket application. The audio instructions will assist them inside the supermarket application based on real-time situations. To make the supermarket smarter, the billing system is automated, eliminating the existing queuing system. The ultimate aim of this system is to eliminate the need for others' support during shopping and provide visually impaired people with a convenient and sophisticated environment. Implementing this system will facilitate shopping for blind people, save customers' time, and promote business sales

Keywords: Smart Shopping, Visually Impaired Speech-to-Text, Assistive AI, Voice Interface

Copyright to IJARSCT www.ijarsct.co.in



DOI: 10.48175/568



220