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Follow Me Smart Shopping Trolley

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Abstract: *These days, supermarkets have practically reached the point of development in terms of technology. People buy various items from supermarkets and place them on a trolley because that is the simplest way to transport goods in supermarkets. However, customers must manually push the cart throughout the entire shopping experience, and when it comes to paying their bills; they must stand in line for a very long time. The busy schedules of people make this a time-consuming process. The research team has developed an efficient and highly advanced technique to avoid these issues. There isn't a true multifunctional automated trolley to make shopping easier, despite the fact that several Smart Trolleys already exist that include some of the aforementioned features. The "Follow Me" research team created a multipurpose cart that makes customers' shopping experiences more simple and easy. Follow-Me is a collection of technologies, including autonomous, human-guided navigation using an Arduino Microcontroller. A precise, user-friendly smart shopping cart has been made available by the research team to make it easier and more convenient for customers to shop.*

Keywords: Follow Me, supermarket, Smart Trolleys, Raspberry pi.

REFERENCES

[1]. L.S.Y. Dehigaspege, M. K. C. Liyanage, N. A. M. Liyanage, M. I. Marzook, and Dhishan Dhammearatchi" Follow Me Multifunctional Automated Trolley" International Journal of Engineering Research & Technology (IJERT)Issue 07, July - 2017
[2]. S. M. Kalyani Dawkhar, "Electronic Shopping Cart For Effective Shopping based on RFID," International Journal Of Innovative Research In Electrical, Electronics, Instrumentation And Control Engineering, vol. 3, no. 1, pp. 8486, January 2015.
[3]. Suraj.S, Guruprasad, V., Pranava, U. R. & Nag, P. S., RFID Based Wireless Intelligent Cart Using ARM7. International Journal of Innovative Research in Science, Engineering and Technology, V (8), 2016.
[4]. Kamble, S., Meshram, S., Thoka, R. &Gakre, R., Developing a Multitasking Shopping Trolley Based On RFID Technology. International Journal of Soft Computing and Engineering, 2014.
[5]. S.Sainath, K.Surender&Arvind, V., Automated Shopping Trolley for Super Market BIlling System.s.l. International Conference on Communication, Computing and Information Technology, 2014.
[6]. Aryan, P., Pise, P. &Tamhane, S., Smart Shopping Cart with Automatic Billing System through RFID and Bluetooth.International Journal for Research in Applied Science & Engineering Technology, 2014.
[7]. Zubin Thomas, Nikil Kumar and D. Jyothi Preshiya "Automatic Billing System using Li-Fi Module".
[8]. P. Chandrasekar ,T. Sangeetha "Smart Shopping Cart with Automatic Billing System through RFID and ZigBee".
[9]. Udita Gangwal, Sanchita Roy, Jyotsna Bapat "Smart Shopping Cart for Automated Billing purpose using Wireless Sensory Network.
[10]. Galande Jayashree, Rutuja Gholap, Priti Yadav on "RFID based Automatic billing trolley" IJETAE, 2015.
[11]. Jadhav Rahul, Pradeep, Nandkumar, Tarali Shivkumar "RFID based automated, 2015.
[12]. Mr.Yathisha L, Abhishek A, Harshit R, RascalKoundinya on "Automation of shopping cart to ease queue in malls by using RFID", IRJET 2015.
[13]. Harpreet Singh Bedi*, Nikhil Goyal, Sunil Kumar and Avinash Gupta, "Smart Trolley using Smart Phone and Arduino" May 23, 2017.
[14]. Thangakumar J, Sainath S, Surender K, Vikram Arvind V, "Automated Shopping Trolley for Super Market

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