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Smart Shopping Cart using RFID and NodeMCU

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Abstract: Now a days shopping at the mall have become a day's routine in big cities. People buy a different product and deposit them in the trolley. After completing the shopping one need to go billing counter for pay the bill which is very time consuming and at times very disappointing. So the objective for designing this model is to reduce the human efforts and also reduce the time taken during the billing. In this system, we designed reasonable and cost-effective Smart Shopping Cart utilizing IoT innovations. Our model having a components such as RFID tags, RFID reader, LCD screen.

Keywords: RFID

REFERENCES

- [1]. Mayur Chaudhari, Amit Gore, Rajendra Kale and S.H. Patil, "Intelligent Shopping Cart with Goods Management Using Sensors", International Research Journal of Engineering and Technology (IRJET), Volume 3 Issue 05 May 2016.
- [2]. Suraj.S, Vishal Guruprasad, Udayagiri R Pranava, Preetham S Nag, "RFID Based WirelessIntelligent Cart Using ARM7," *International Journal of Innovative Research in Science, Engineering and Technology*, Vol. 5, Issue 8, 2016.
- [3]. B. Ananthabarathi, "High Speed Billing System in Departmental Stores" Middle-East Journal of Scientific Research, pp. 1828-1832, 2012.
- [4]. R. Rajeshkumar, R. Mohanraj and M. Varatharaj, "Automatic Barcode Based Bill Calculation by Using Smart Trolley", International Journal of Engineering Science and Computing, Volume 6, Issue 3, 2016.
- [5]. Janhavi Iyer, Harshad Dhabu and Sudeep K. Mohanty, "Smart Trolley System for Automated Billing using RFID and ZIGBEE", International Journal of Emerging Technology and Advanced Engineering, Volume 5, Issue 10, October 2015.
- [6]. P. Chandrasekar and T. Sangeetha, "Smart Shopping Cart with Automatic Billing System through RFID and ZigBee", In proceedings of IEEE International Conference on Information, Communication and Embedded System (ICICES) pp. 1-4, 2014.
- [7]. S. Rohith and C Madhusudan, "Easy Billing System at Shopping Mall Using Hitech Trolly", International Journal & Magazine of Engineering, Technology, Management and Research, Volume 2, Issue 7, July 201
- [8]. Tharindu Athauda, Juan Carlos Lugo Marin, Jonathan Lee, Nemai Karmakar,"Robust low-cost passive UHF RFID based smart shopping trolley" in IEEE Journal If Radio Frequency Identification, Issue in 2018.
- [9]. Rajlakshmi Badi, Bashirahamad Momin, "SISC: Sensor-based Intelligent Shopping Cart" in 3rd International Conference for Convergence in Technology

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