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Smart Shopping Billing Cart

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Abstract: Nowadays, on weekends and holidays, there is a huge rush at the malls. The rush is even more when we have special offers and discounts. People buy a variety of completely unrelated items and put them in a trolley. One must proceed to the cashier to make payments after making the entire purchase. The cashier sets up the bar code scanner for the bill, which could be a time-consuming process and cause long lines at the charge counters. In a retail center, this study sought to reduce the line at the billing counter. Smart Trolley does the same by displaying the total price of the product kept inside the cart. In this manner, the consumer can pay the total amount due at the cash register and then leave with the goods they have purchased. The Node MCU, RFID Reader Module, and RFID Card form the basis of the hardware. It eliminates the customary product scanning at the counter, which speeds up the entire shopping experience. Additionally, with this method, the consumer will know the complete amount due and can plan his shopping appropriately, only purchasing necessities and increasing savings. Since the entire invoicing process is computerized, there is significantly less chance of human error. To further improve the shopping experience, the system also contains a function that allows customers to erase the products they have scanned.

Keywords: Shopping Billing Cart

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521

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