

INTERACTIVE INTELLIGENT SHOPPING CART USING RFID AND ZIGBEE MODULES

Abstract:

Shopping is a necessity of people, that covers different fields, from vegetable and grocery to clothing. Generally, people used to go separate shops to buy different types of items. Now, shops are integrated so we can find all the necessary items under a single roof, which is known as a shopping complex. The statistics of the minor and major shopping malls grows over the years throughout the world due to the request of the community. Thus, this leads to the increase in the level and structure of a shopping mall. In our country, there is still an abundant need for upgrading the facilities for providing the worthiest shopping experience to customers. Customers frequently deal with difficulties and trouble while shopping. These problems also contain worrying trends about the total amount of money, inadequate information about the items that are for sale and offers of the day, and also waiting in the queue at the billing counter for the bill which leads to the wastage of unnecessary time. For resolving the problems stated above various methods are developed, but the efficacy is still considered for the betterment and improves the shopping experience. Examples of these various existing methods such as barcode technology, where the price is stored in the barcode and RFID technology are implemented.

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