Mini Project

Project Title : Smart Shopping Cart

Abstract :

The "Smart Shopping Cart Using Radio Frequency Identification" project revolutionizes the shopping experience through RFID technology, offering real-time cost updates to shoppers. This innovative system incorporates RFID readers, a microcontroller for instant cost computations, and an LCD screen for displaying the total expense. By tackling common issues associated with traditional shopping carts, like prolonged checkout procedures and the absence of live cost monitoring, our project significantly enhances the efficiency and convenience of shopping. Shoppers can now enjoy a seamless experience as the RFID technology effortlessly scans tagged products, allowing the microcontroller to promptly calculate the overall cost, which is then displayed on the LCD screen. This breakthrough not only streamlines the shopping process but also eliminates the need for manual price entries, reducing errors and enhancing overall customer satisfaction. The successful integration of these technologies marks a promising step towards the future of retail, where smart shopping carts pave the way for quicker, more accurate, and enjoyable shopping ventures.

Team Number : 7

Team Members :

1. Abin Santhosh (IES22CS006)
2. Adhith sunil (IES22CS007)
3. Adhwaith T T (IES22CS008)
4. Anitta Raphi E (IES22CS025)

Faculty Guide :

Meethu M B
Assistant professor
Department of CSE