

Smart Shopping Trolley

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Abstract: *The Smart Shopping trolley design represents a slice- edge result aimed at revolutionizing the traditional shopping experience through the integration of advanced technologies. concentrated on the ESP32 microcontroller, this innovative shopping wain incorporates a sophisticated array of detectors, including IR and ultrasonic detectors for mortal discovery and shadowing, RFID technology for product identification and automatic pricing, and cargo cells for precise weight monitoring. A DC motor, coupled with a motor motorist IC, ensures flawless wain movement, while a stoner-friendly display module provides real- time feedback on the trolley status. This design not only showcases independent wain navigation but also introduces features like automated pricing and load cautions, promising to review and elevate the effectiveness and enjoyment of ultramodern retail shopping*

Keywords: Shopping wain, ESP32, Sensor Integration, RFID Technology, Automated Pricing

