

Smart Shopping Trolley

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Abstract: *This review presents a new project idea called the Smart Shopping Trolley. The paper outlines the design, development, and implementation of a smart shopping trolley system that aims to change the traditional shopping experience. The project involves installing various sensors, including ultrasonic sensors, RFID sensors, and IR sensors, to analyze the system architecture, functionalities, and potential benefits. Through this analysis, the paper demonstrates the potential of smart shopping trolleys to streamline shopping processes, enhance customer satisfaction, and optimize retail operations.*

Keywords: Arduino-based smart shopping trolley, ultrasonic sensor, RFID RC522, IR sensor, DC motors, LCD Display 16*2, Load Cells

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