

Design and manufacture of automatic door opening and closing system using RFID technology

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Abstract: The study proposes an automatic door opening/closing system using Radio-Frequency Identification (RFID) technology to address security management and efficiency issues in facilities. The objective is to design and implement a system capable of identification, management, and remote control using RFID. The research methodology includes requirement analysis, selection of appropriate technology, hardware design, and software programming. The project is expected to provide practical application solutions with enhanced security and automation in door management at facilities.

Keywords: RFID, Automatic door opening/closing system, Security management, Automation technology