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RFID Door Lock System

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Abstract: *This abstract focuses on an RFID door lock system built using Arduino Uno. The system utilizes Radio Frequency Identification (RFID) technology to provide secure access control. The Arduino Uno board acts as the controller, with an RFID reader connected to it. Users are provided with RFID cards containing unique identifiers. When a card is presented to the RFID reader, the Arduino Uno verifies the card's authenticity and grants access if authorized. The system also includes a door lock mechanism that can be controlled by the Arduino Uno. Through programming, different access levels can be assigned to different RFID cards, enabling efficient management of access privileges. The abstract highlights the benefits of this system, including enhanced security, convenience, and efficiency. The integration of Arduino Uno and RFID technology offers a cost-effective solution for implementing a reliable access control system in various environments, such as offices, hotels, and apartments. The abstract emphasizes the significance of this project as it combines emerging technologies to address the need for better access control and security measures. It serves as a concise overview of the RFID door lock system using Arduino Uno, showcasing its capabilities and potential implications in different settings.*

Keywords: Radio Frequency Identification

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