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A Survey on "Smart Authentication Door Locking System

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Abstract:*The Smart Door Lock System is intended to give better access control and monitoring capabilities for homes, offices, and other structures. To improve the building's security, this system makes use of many elements such electronic locks, keypads, biometric scanners, mobile apps, and cloud-based platforms. This system aims to replace conventional lock and key systems with more sophisticated and secure ones that provide more comfort, flexibility, and control. The Smart Doorlock System uses a number of different components, including an Arduino Uno, GSM module for OTP, keypad, LCD display, linear solenoid, relay, and IP camera. This essay gives a general overview of the Smart Door Lock System, outlining its elements, workings, and prospective uses. The study also analyses new trends and future directions in research on smart door lock systems, as well as the benefits and difficulties of deploying this system. In order to serve as a reference for researchers, practitioners, and stakeholders interested in this technology, the goal of this study is to provide a thorough understanding of the Smart Door Lock System and its possible impact on building security.*

Keywords: Arduino UNO, GSM Module, Biometric Scanners, Linear Solenoid, Mobile Application, IP Camera.

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