

Design and manufacture of smart door locks

Nguyen Van Sung

Abstract: In the increasingly complex context of cybersecurity, the design and manufacturing of smart door locks have become an inevitable trend to ensure the safety of property and people. This topic focuses on building an automatic door lock system integrating IoT, AI, and cryptography technologies to enhance security and convenience. The research method combines theory with experimentation to develop access control algorithms and design a user-friendly interface. The expected result is a useful solution providing high security for households, offices, and organizations.

Keywords: Smart door lock, IoT, AI, Security, Cryptography