

Research on Keypad and development of a digital electronic door lock application using keypad

Phan Ngoc Thang

Abstract: In the context of increasing home security, this research focuses on designing and implementing an electronic door lock system based on keypad technology. The objective of the project is to build an effective security solution by combining programming theory with hands-on experimentation. The research methodology includes analyzing the current situation, developing a system model, and testing real-world applications. The expected outcomes of this project not only provide users with a smart door lock solution but also contribute to the field of home security technology.

Keywords: Keypad, electronic door lock, home security, application programming, security system