

Research, design, and fabrication of electronic door lock devices using password and fingerprint.

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Abstract: In the increasingly complex context of cybersecurity, this research focuses on designing and manufacturing an electronic door lock system based on cryptography and fingerprint recognition. The objective is to build an effective security solution for residential and commercial buildings. The approach includes requirement analysis, system design, and experimental deployment to test the security features of the product. The expected results will significantly contribute to enhancing the protection of personal security and property.

Keywords: Electronic door lock device, password, fingerprint, network security, design and manufacturing