

Design and construction of fingerprint time attendance machine

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Abstract: This topic aims to meet the demand for modern personnel management through the design and implementation of a fingerprint recognition-based time attendance system. The objective of the research is to build an effective automation solution for tracking employee working hours, while ensuring high accuracy in fingerprint pattern analysis. The research method combines fingerprint recognition theory with experimental deployment of software applications and physical devices. The expected result is a robust time attendance system that contributes to improving personnel management performance.

Keywords: fingerprint, automatic attendance tracking, human resource management, fingerprint pattern recognition, time clock system