

Building a face recognition attendance system

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Abstract: In the context of increasing security and access control to restricted areas, this topic focuses on researching the development of an automatic attendance system based on facial recognition. The main objective of the study is to create an effective solution to reduce waiting time and enhance security in door access control. The method combines machine learning theory with experimentation to develop a facial recognition model capable of identifying users quickly and accurately. The expected result is a system that can be widely applied in educational institutions, businesses, and public organizations, contributing to improved management efficiency and security.

Keywords: Face recognition, attendance system, machine learning, security, access control