

Face Recognition Attendance Monitoring System

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Abstract: *The Face Recognition Attendance Management System is a cutting-edge technology solution designed to streamline and enhance the attendance tracking process in various institutions and organizations. This project report provides a concise overview of the system's key features, development process, and its potential impact on attendance management. In a rapidly evolving technological landscape, traditional attendance systems are often inefficient and prone to errors. The Face Recognition Attendance Management System addresses these issues by leveraging state-of-the-art facial recognition technology. This system automates attendance tracking, ensuring accuracy and efficiency while reducing the administrative burden on staff. Key features of the system include facial data capture and storage, real-time face recognition, attendance record generation, and user-friendly interfaces for both administrators and end-users. The project also encompasses the development of a mobile application, enabling users to access their attendance records conveniently. The development process involved the integration of facial recognition algorithms, database management, and user interface design. Additionally, privacy and security considerations were a top priority, with safeguards in place to protect the stored facial data. This report outlines the benefits of the Face Recognition Attendance Management System, such as reduced administrative workload, improved accuracy, and real-time monitoring of attendance. It also discusses potential challenges, including hardware and software requirements, scalability, and user acceptance. In conclusion, the Face Recognition Attendance Management System is a powerful tool for institutions and organizations seeking to modernize their attendance tracking processes. It represents a step forward in leveraging cutting-edge technology to enhance efficiency and accuracy in attendance management.*

Keywords: Attendance tracking, Streamlining attendance processes, Facial recognition technology