

Face Recognition Attendance System Using Python

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Abstract: *This paper presents an efficient and automated attendance system that leverages facial recognition technology implemented using Python. The system captures facial features through a webcam, processes them using the face recognition library, and marks attendance automatically. The proposed system aims to eliminate manual attendance marking, reduce proxy attendance, and ensure higher accuracy and security. The implementation demonstrates successful face detection and recognition with accuracy levels between 90–100% under well-lit conditions. This paper also discusses the architecture, tools used, and real-time performance results.*

Keywords: Face Recognition, Attendance System, Python, OpenCV, Biometric Authentication, Real-Time Recognition

