

# Smart Attendance Management System

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**Abstract:** In many businesses, attendance management systems are used to monitor the attendance of employees or pupils. The manual entry and error-prone fingerprint scanning required by traditional systems can be time-consuming. This study describes an intelligent attendance management system that uses image detection technologies to automatically record attendance. The technology employs a camera to take pictures of people, and then computer vision and machine learning algorithms are used to find and recognise the faces in the pictures. Following a successful match between the identified faces and the pre-registered users in the database, the system registers the attendees' attendance. The system is created to be accurate, effective, and user-friendly. Our experiments' findings demonstrate the system's excellent accuracy rate.

**Keywords:** Attendance Management

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