

Face Recognition Web For Office Attendance.

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ABSTRACT

This study aims to develop a face recognition system for office attendance using the Convolutional Neural Network (CNN) method with Indoor Positioning System (IPS) support. The proposed system is website-based and aims to replace a manual attendance system that requires an employee's signature. This method is proposed as a more efficient and affordable alternative than fingerprint technology. This system uses face recognition technology to identify the owner of a face and IPS to track employee attendance locations. The main goal is to develop an accurate facial recognition system with a camera that is good at detecting faces and generating monthly attendance reports. The advantages of this system are facilitating the attendance process, reducing costs and human error, and increasing compliance with labor regulations. Despite having some limitations, such as reliance on node.js-enabled devices and requiring an internet connection, this system provides significant benefits in tracking employee absences and has the potential to increase company productivity through saving time and administration costs.

Keyword: *Face recognition system, Office attendance, Convolutional Neural Network (CNN), Website-based application, Manual attendance system.*