Liveliness Based Attendance System

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Abstract: *The paper describes the development and implementation of a liveliness-based attendance system. The proposed system uses computer vision algorithms to detect the liveliness of a person's face and compare it with the stored images to verify their identity. The system can accurately identify and mark the attendance of individuals in real-time, by eliminating the need for manual processes. The results show that the proposed system is reliable and efficient, making it suitable for use in various settings, such as educational institutions and workplaces. Overall, the system provides a convenient and secure way to manage attendance, saving time and improving accuracy*.

Keywords: liveliness-based attendance system, facial recognition, real-time attendance, facial expressions, database

Problem Statement: According to the previous attendance management system, the accuracy of the data collected is the biggest issue. This is because the attendance might not be recorded personally by the original person, in another word, the attendance of a particular person can be taken by a third party without the realization of the institution which violates the accuracy of the data. Hence create a system that can capture the live details of a particular person & be able to store it in a database for future reference.

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