ABSTRACT

The face is the most important part of the human body because it uniquely identifies a person. Face recognition systems can be implemented by using facial characteristics as biometrics. Attendance tracking is the most difficult task in any organization.

Face recognition is a biometric technique that determines whether the image of a person's face matches any of the face images stored in a database.

The primary goal of this project is to build a face recognition-based attendance monitoring system for employees working in an organization in order to improve and upgrade the current attendance system to make it more efficient and effective than before. The employee should be in an area containing light so that the detection can be clearly made.

Working of the Project

The facial recognition feature embedded in the attendance monitoring system not only ensures accurate attendance but also eliminates flaws. Using a system to overcome defects not only saves resources but also reduces human intervention in the overall process by delegating all complex tasks to the system.

The front-end involves Html, CSS, and JavaScript and the back-end involves Python. The framework used is Django and the database is MySQL. Libraries like OpenCV, Dlib, and Face-Recognition are used here.