ABSTRACT

This project presents a comprehensive face recognition and attendance system built using Python 3.10 on Windows 11. The system leverages a camera to capture images of individuals, which are then stored in a database for future reference. By utilizing face recognition technology, the attendance system accurately identifies individuals and marks their attendance. To ensure seamless functionality, the project requires the installation of essential modules, including OpenCV and face recognition libraries.

Designed with user-friendliness in mind, this system can be effortlessly deployed in various settings, such as educational institutions, offices, and other organizations. A step-by-step guide is provided to facilitate the setup and operation of the system, covering software installation, project zip file extraction, module installation, and code execution.

The system's capabilities extend to storing detailed attendance records, including date, time, and individual names. This enables administrators to monitor attendance patterns over time, making it an invaluable tool for institutions seeking to optimize their attendance tracking processes. With its ease of use, accuracy, and efficiency, this face recognition and attendance system has the potential to revolutionize attendance management in various industries.

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