

Synopsis on
Attendance System Based on Face Recognition

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ABSTRACT

Introduction:-

In today's era, mobile devices have become a part of our life. My project represent how a mobile device can be used by the teachers to reduce the work of manually doing the attendance of the students. It facilitates the teacher to easily take the attendance by simply taking a photo of the class and simply uploading to the server. It uses the machine learning algorithm to easily recognise the face of each students and marking there attendance. In case if the system fails to recognise a student face, the teacher is given the facility to manually add the face of the student

Purpose:-

The purpose of developing attendance management system is to computerized the tradition way of taking attendance. Another purpose for developing this software is to integrate the machine learning into our tradition way of taking attendance.

Scope:-

The scope of the project is the system on which the software is installed, i.e. the project is developed as a desktop application, and it will work for a particular institute. But later on the project can be modified to operate it online in the form of website.

Technology Used:-

Language:- Python

Backend:- Mysql

Frontend:- PyQT (Desktop Framework for python)

System Requirement:-

Minimum RAM:-256 MB

Hard Disk:- 1 GB

Processor:-Intel Pentium 4

Operating System:- Windows, Linux