ATTENDANCE AUTOMATION SYSTEM

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PROJECT OVERVIEW



The main purpose of this application is to replace the manual attendance method and human interference which consumes a lot of time and effort to maintain the student attendance.



In our application we will be using face detection technique by eigenface algorithm to automate the whole process of managing the attendance in educational institutions.



Our application uses the camera to capture the image and will compare with image in the student database and finally attendance will be recorded.



Instructor will receive an email with a list of students who are absent.



This will reduce manual errors and all the consolidated student attendance data will be available in the database which will make it easier for instructors to manage the student attendance.



PERSONAS

This application can be used in various educational institutions.

This application will save a lot of time for both the students and Instructors.

Instructors can use the application to capture the image or else upload a picture.

Immediately retrieve all the students consolidated attendance data.

Instructors receive an email alert with list of students who do not attend the lecture.



TECHNOLOGIES USED

Front – End: HTML, CSS, Pyqt-5 – Python cross platform GUI toolkit

Middleware: Python

Back - End: Java, JavaScript, MySQL



MODULES



HOME PAGE



ADMIN PAGE



FACULTY REGISTRATION AND LOGIN



DATABASE



SCHEDULE

Deliverable 1: We have discussed and selected the project idea and target audience for which the project will be suitable.

Deliverable 2: We will create user stories and will start working on designing the front end of our application.



RETROSPECTIVE

What went well?

- Proactiveness of the team to look for viable and efficient projects
- Discussing Pro's and Con's of each project idea and finalizing the best suitable one.
- Everyday zoom call to check the progress of the deliverable 1

Scope of improvement

- Deciding on exercises and activities in advance
- Advanced tools to record our presentations.
- Acknowledge and thank team members for their effort.



THANK YOU

