

ATTENDANCE MANAGEMENT SYSTEM USING FACE RECOGNITION

BINCY K BABU

Guided By: Prof.Husain Ahamed P

MCA, Semester VI

Department of Computer Application

Government Engineering College, Thrissur

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- Attendance maintenance is an important task in all the institutions to check the performance of students.
- Every institute has its own way like the old paper or file based approach and some have adopted methods of automatic attendance using some biometric techniques.
- Face recognition is a technique of biometric recognition.

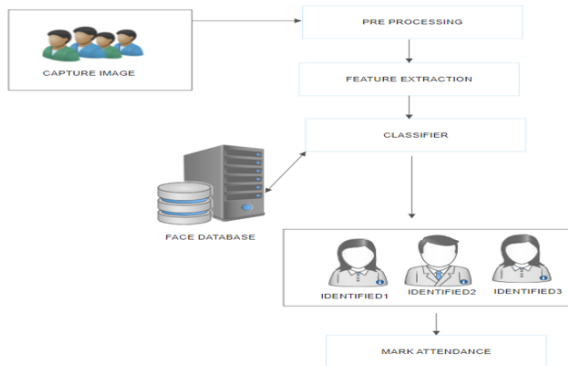
EXISTING SYSTEM

- Attendance maintenance is an important task in all the institutions to check the performance of students.
- Managing attendance can be a tedious job when implemented by traditional methods like calling out roll numbers of students or by taking signatures.
- Effort and time consuming task.

PROPOSED SYSTEM

- The students face id are stored and hence by the help of the system the image can match faces and thus mark the attendance automatically.
- This system uses the face recognition approach for the automatic attendance.
- The images of students are uploaded, detect the faces in images, and compare the detected faces with the database and thus mark the attendance.

ARCHITECTURE DIAGRAM



REQUIREMENT SPECIFICATION

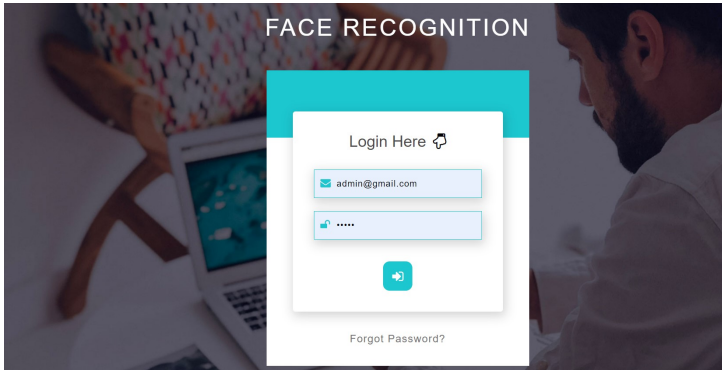
- Software Requirements:

- Operating system : Windows
- Front End : HTML,CSS,Javascript
- Backend :Python, MySql
- IDE : Pycharm
- Other softwares : SQLyog,Wampserver



- Hardware Requirements:

- Memory : 8 GB of RAM
- Processor : Intel Core i5 or above
- Speed : 2.4 GHz or above

- ADMIN:
 - Admin can manage the department,courses,staffs and mainly students.
 - Admin can upload the photos of students according to the date and corresponding hour and subject.
 - And after can preview the attendance list.
- FACE RECOGNITION:
 - The face recognition module recognize the face of a student and mark the attendance of that corresponding recognized student.



RESULTS

Choose Hour	<div>Hour1</div>
Subject Name	<div>Subject1</div>
Date	<div>02-05-2022</div>
Choose File1	<div><div>Choose File IMG_0364.jpg</div></div>
Choose File2	<div></div>

Course	MCA	Semester	1	Date	02-05-2022	Hour	1	View
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Subject Name: Subject1

S.no	Name	Address	Contact Number	
1	ANGEL ROSE C J	Thrissur	917907574542	Present
2	ANJANA	Thrissur	917907574542	Present
3	HARSHA T	Kozhikode	917907574542	Present
4	ANAGHA P S	Edappal	917025609763	Present
5	SREELAKSHMI P S	Edappal	6587984321	Present
6	SANA V K	Kozhikode	7025609763	Present

- In the future, the work could be extended to mark attendance even from using live stream visuals from a surveillance camera inside a class room.

- A web application that enables us to mark attendance of the students from a class photos by using the face recognition techniques is developed.
- It is more efficient and time saving than traditional attendance management systems.

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THANK YOU