

“Attendance System”

A

Project Report

Submitted by

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1. Background Study & Research Gap:

Background Study:

- The traditional scenario of taking student attendance in the classroom is done by obligating the student to physically mark the attendance sheet that goes around the classroom. It is done on paper.



Research Gap:

- Totally manual
- Paper-work
- More time



- Semiautomatic
- Less maintenance
- Average-time

- Automatic
- High-cost
- Maintenance
- Average-Time



2. Problem Definition:

- Designing a real-time attendance system to overcome time and maintained.

3. Objectives:

- To create auto-generated report.
- To reduce paper-work and risk of errors.
- To reduce admin work by integrating the details of the students of all the department into a single database.
- To keep informing parents about the students' performance via emails or SMS.

4. Literature Review:

1. Title: Automated Attendance Monitoring System using Android Platform

Journal Name: International Journal of Current Engineering and Technology

Key Words: Attendance Monitoring System (AMS), android platform, marking attendance on one click, user authentication, database, report generation, sending SMS.

Paper Summary: In this paper, they proposed a new system for monitoring the attendance of the students using the android platform. The results showed improvements in accuracy as compared to using a user-based paper-based approach. Moreover, the proposed technique provides an easy way of generating reports.

2. Title: Android-based attendance management system

Journal Name: IEEE Control and System Graduate Research Colloquium

Key Words: Attendance system, Android application, Database, Servers, Hardware, Process control

Paper Summary: In this paper, the development of an attendance management system is proposed. This application once installed can be used to download the student's list from a designated web server. Based on the downloaded list of students, the device will then act as a scanner to scan each of the student cards one by one to confirm and verify the student's presence. The device's camera will be used as a sensor that will read the barcode printed on the students' cards. The updated attendance list is then uploaded to an online database and can also be saved as a file to be transferred to a PC later.

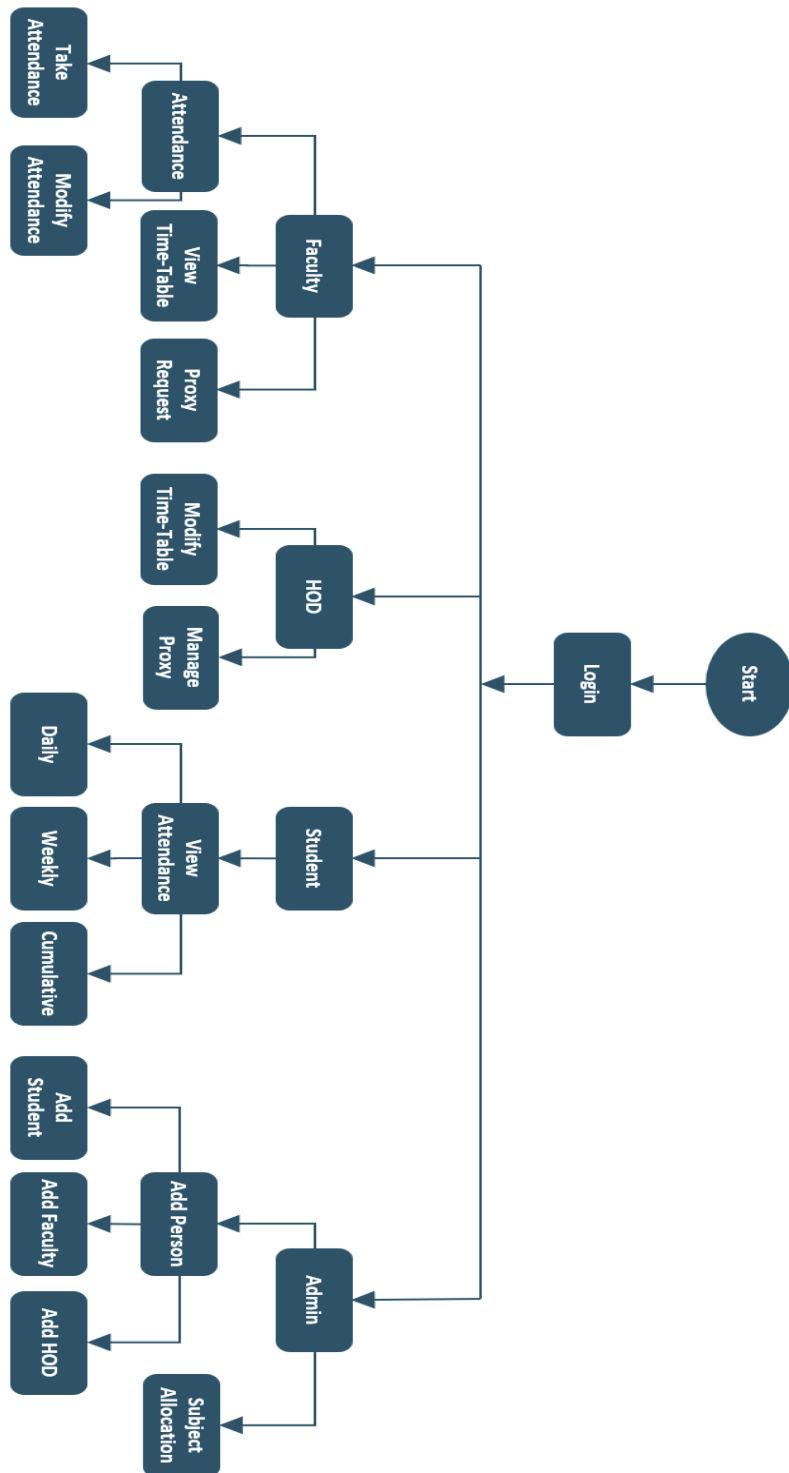
3. Title: Development of Attendance Management System using Biometrics.

Journal Name: Pacific Journal of Science and Technology.

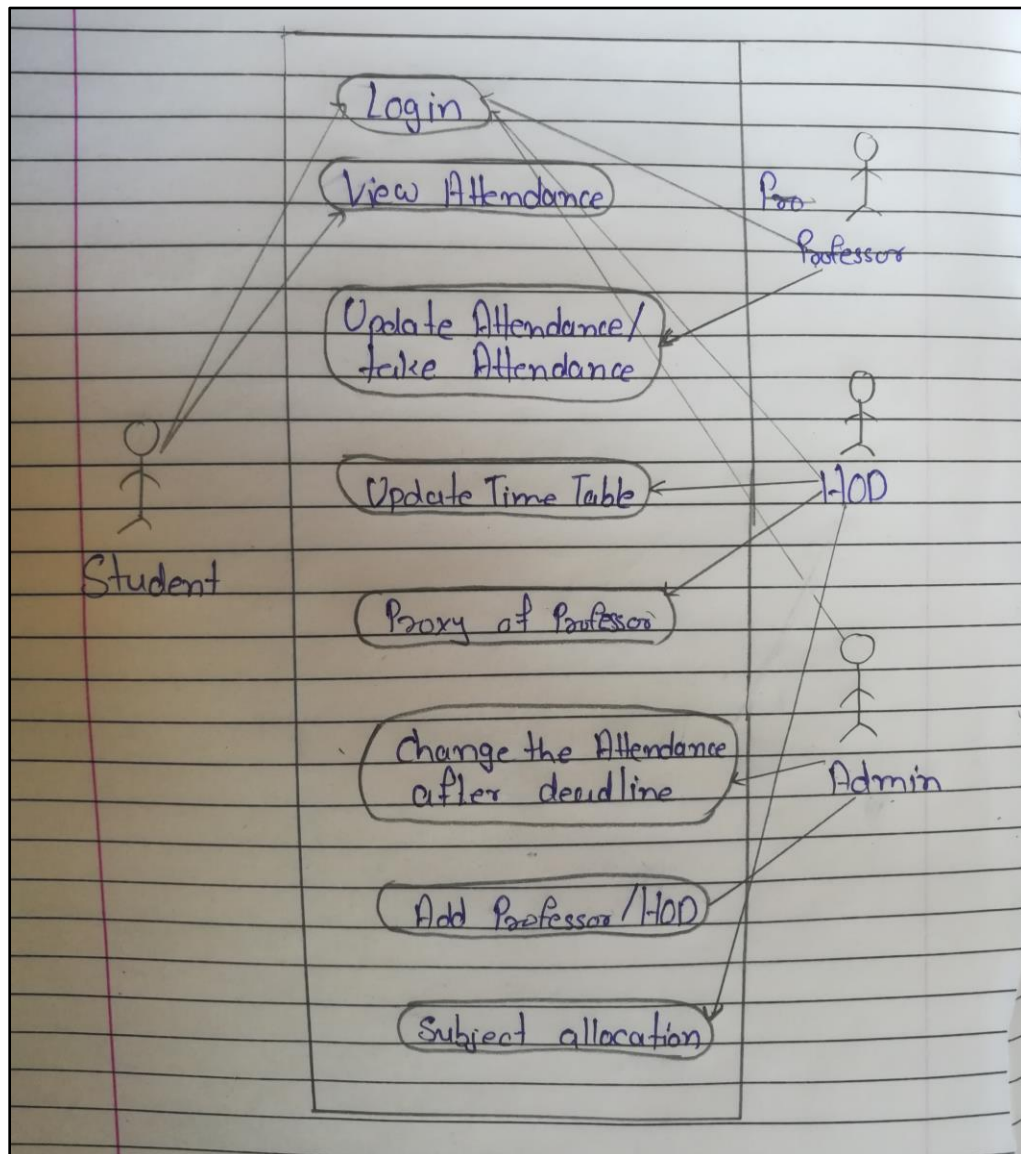
Key Words: fingerprints, attendance, enrollment, authentication, identification

Paper Summary: In this paper, the development of an attendance management system using biometrics is proposed. An automatic attendance management system using biometrics would provide the needed solution. An attendance management system is a software developed for daily student attendance in schools and institutions. This system will also help in generating reports and evaluating attendance eligibility of a student.

5. Methodology: Flowchart:



Use-case Diagram:



6. Skill Sets and Knowledge Required

- Management skill
- Literature knowledge
- Software skill
 - i. HTML
 - ii. CSS
 - iii. PHP
 - iv. JAVA Script
 - v. My SQL



7. Planning in Excel Sheet:

A	B	C	D	E	F
Date/Name	Aarti	Dharti	Mansi patel	Mansi pomal	Riya
9-1-2020	Review-1 prep	Review-1 prep	Review-1 prep	Review-1 prep	Review-1 prep
10-1-2020	Review-1	Review-1	Review-1	Review-1	Review-1
11-1-2020	login page	Attendance page	professor page	Report generation	Database
13-1-2020	login page	Attendance page	professor page	Report generation	
16-1-2020	website to applicaton learning				
17-1-2020 to 2-2-2020	MIDSEM preparation				

Fig. Planning Sheet.

8. Verification & Validation

Verification:

- The verifying process includes checking documents, design, code and program.

- Includes the execution of code
- It checks whether the software generates reports automatically or not.



Validation:

- Auto-generated report
- Lecture wise attendance

9. Expected Outcomes:

- Auto-generated attendance report.
- Less paper-work and less risk of errors.
- Integrated database of students and admin.
- Parents get informed about the students' performance via emails or SMS.