MANARAT INTERNATIONAL UNIVERSITY

Department Of Computer Science and Engineering

Project Report

Course Code-CSE312

Course Title-Software Development

Project Title-Andriod Attendance System App

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Project Github Repository Link:Check Here

Promo Video:Click Here For Promo Video

Abstract:

Student attendance system is the system of tacking the attendance of the student on basis of presence in class. Successful industries, schools, universities begin by engaging students and making sure that they will come regularly so the attendance rate become very important. In this paper, a smart student attendance system is designed and implemented based on android

operating system. In compression with other traditional attendance systems, the proposed system provides faster, cheaper and reachable system for student attendance and generate the attendance report.

Key Words:
Andriod,Admin,student list,faculty list,Attendance,Educational,information

INTRODUCTION:

Student attendance system is the system of tacking the attendance of the student on basis of presence in class. Successful industries, schools, universities begin by engaging students and making sure that they will come regularly so the attendance rate become very important. The attendance is important because students are more likely to succeed in academics when they attend class consistently. It's difficult for the lecturer to build students skills and progress if a large number of students are frequently absent. Because of the advancement of technology today has immersed itself towards education. The presence of technology has reached its maximum of providing sustainable technology towards quality education through delivery and effective learning and smart devices have become a way of life especially in higher education academic fields be able to develop their system into smart attendance.

Andriod App Features:

Admin Module:

- Add Student.
- Add Faculty.
- View Student.
- View Teacher.
- View Student Attendance.
- View each student's attendance separately

Teacher Module:

- Take attendance and keep them class wise
- Add New student.
- View each student's attendance separately
- Edit Student/Attendance later
- Save notes subject wise

System Tools:

Android Studio has been used as a development environment. Java and xml have been used as programming and scripting languages. While SQLite has been used as a Database management system.

Administrator Session:

After entering the user name and password, the system will redirect the admin into the "Dashboard" page. It contains buttons for add student,view student, attendance per student,add faculty,view faculty and logout as shown in figure. These buttons are used for adding, editing, student and faculty respectively.

Start Page:

Fig-1

Fig-2:Admin Login

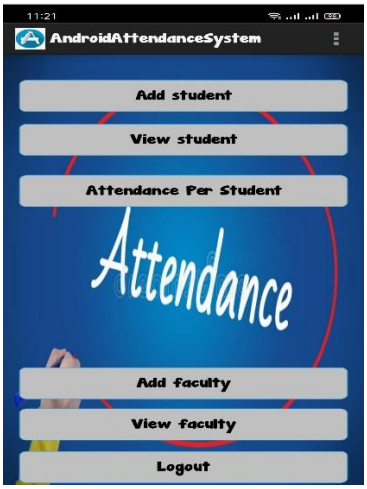


Fig-3:Admin Dashboard

View Student & Faculty:

Fig-4:Student Registration

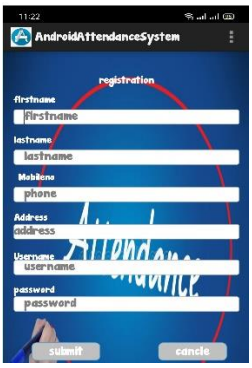


Fig-5:Faculty Registration

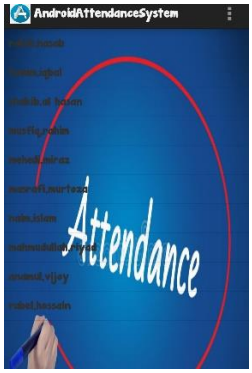


Fig-6:Student list

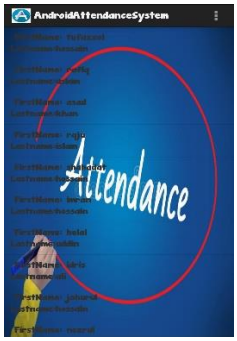


Fig-7:Faculty list

Faculty Session:

For taking the students attendance for particular department and class, faculty must be log in the system. After submitting the username and password of the faculty, the system will redirect that instructor to "take attendance" page as shown in figure. After selecting a department, class, and the current course, all names of students at that class will appear in students list as show in figure.

Fig-8:Faculty Login

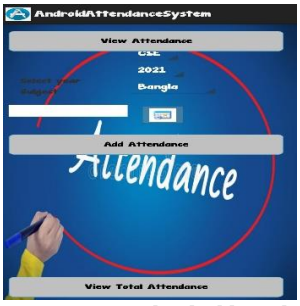


Fig-9:Faculty dashboard

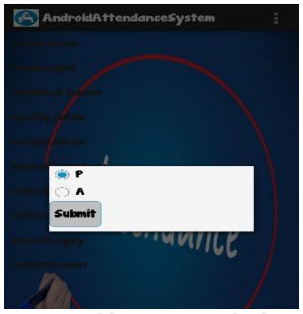


Fig-10:Add Present and Absent

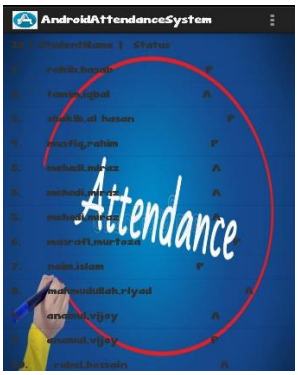


Fig-11:View Present and Absent

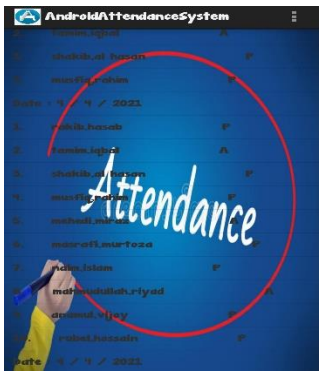
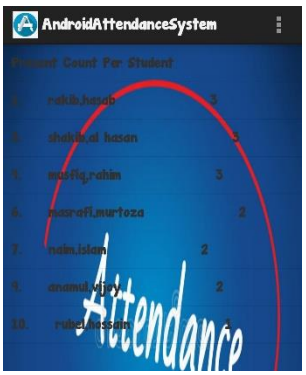


Fig-12: View total Present and Absent



Present Count Per Student

Future Scope and Development:

There are some features we are thinking to add up in the very next version of the primary version. This features are-

- Students and teachers can chat with each other.
- Teachers can make up their own virtual classroom and post important messages.
- Making an environment to call online
- Individual Attendance system With photo using Student login.

Conclusion: In term of performance and efficiency, the proposed has provided a convenient method of attendance marking compared to traditional method of attendance system. In addition, it is user friendly system as data manipulation and retrieval can be done via user interface, making it universal attendance system And adaptive for implement in any educational system.