



INTERNATIONAL JOURNAL OF ADVANCE RESEARCH, IDEAS AND INNOVATIONS IN TECHNOLOGY

ISSN: 2454-132X

Impact factor: 4.295

(Volume 5, Issue 2)

Available online at: www.ijariit.com

Effective student attendance system

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ABSTRACT

Taking attendance in a class can often be a time-consuming and a manual process, which is prone to human error(s) and hence recording incorrect data. Also, querying the data per student can be, the tedious process since it involves some sort of manual tracking/counting of days attended. With the advent of smartphones and tablets which are very handy to use, this process can be made completely automated and error free by using the right technologies. For this project, we are creating an android based application that can be used for Attendance tracking which is easy to use and free from any manual tasks. Users (Professor/Course Instructor) just have to add courses he/she plans to take for Fall/Spring/Summer semester in the application. Once the student ID is recorded, an application will update the appropriate attendance database for that particular course.

Keywords— Admin Model, Teacher Registration, Assistance Registration

1. INTRODUCTION

Attendance Management System is software developed for daily student attendance in schools, colleges and institutes. It facilitates to access the attendance information of a particular student in a particular class. The information is sorted by the operators, which will be provided by the teacher for a particular class. This system will also help in evaluating attendance eligibility criteria of a student

2. EXISTING SYSTEM

The Existing system is a manual entry for the Admin and also Faculty. Here the attendance will be carried out in the handwritten registers. Maintaining the records for the faculty is a tedious job. The retrieval of the information is not as easy as the records are maintained in the registers.

3. SYSTEM OVERVIEW

Data of student has been computerized without using any

manual effort. Parents get the SMS about their ward status from day to day. Easy to generate the report. Rapid access to any information regarding the students' attendance.

3.1 Admin module

Full authority over the website. Right to add/delete teacher, the assistant can monitor on attendance of the students.

3.2 Teacher

The teacher will log in by the login credentials assigned by admin. After successful login, the teacher will be directed to the attendance page. The teacher will fill up the daily attendance.

3.3 Student

Admin will do student registration by filling the registration form. After successful registration student will get a mail.

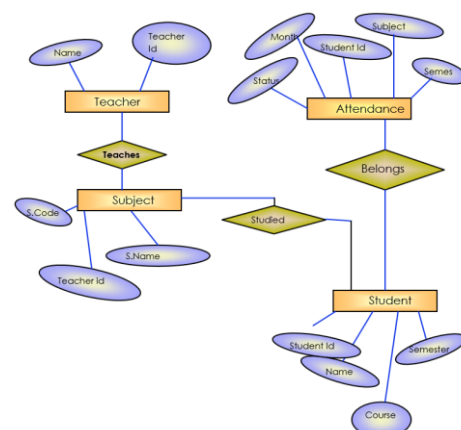


Fig. 1: E-R diagram

4. OBJECTIVE OF SYSTEM ARCHITECTURE

The main objectives of our work are: Data of student has been computerized without using any manual effort. Parents get the mail about their ward status from day to day. Easy to generate

the report. Rapid access to any information regarding the students' attendance.

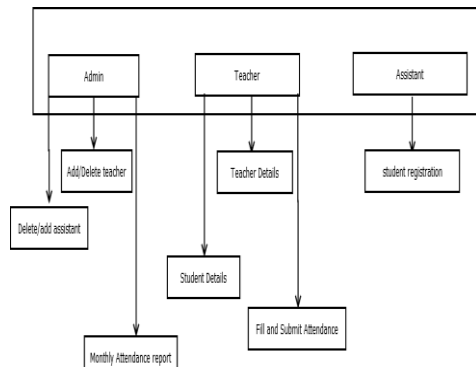


Fig. 2: System architecture

5. OUTPUTS

5.1 Main Page



Fig. 3: Main page

5.2 Admin login

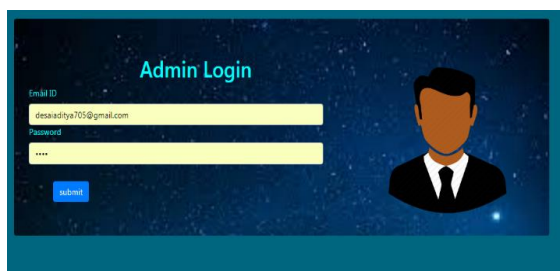


Fig. 4: Admin login

5.3 Admin dashboard

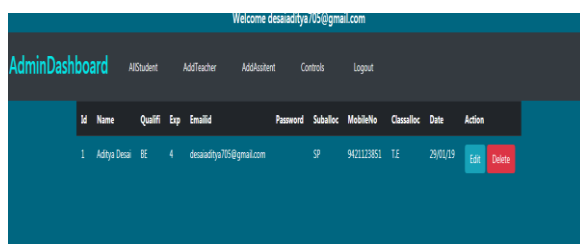


Fig. 5: Admin login

5.4 Assistance registration



Fig. 6: Assistance registration

5.5 Assistance dashboard



Fig. 7: Assistance dashboard

5.6 Teacher registration

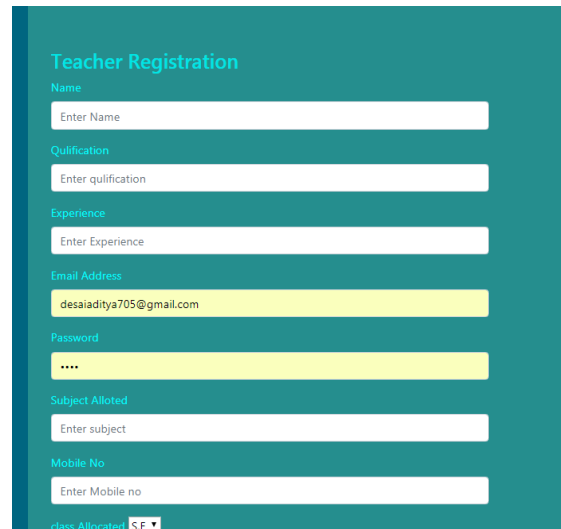


Fig. 8: Teacher registration

5.7 Tack attendance

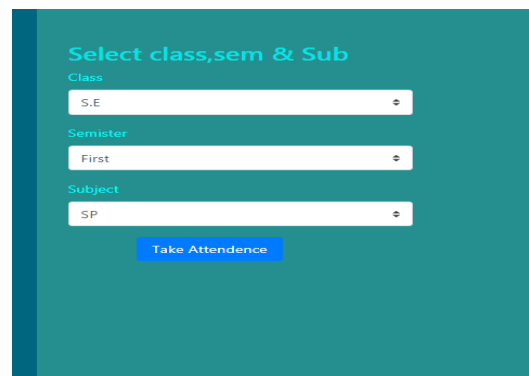


Fig. 9: Tack Attendance

6. CONCLUSIONS

The Attendance Management System is developed using HTML, CSS, BOOTSTRAP, PHP etc fully meets the objectives of the system which it has been developed. The system has reached a steady state where all bugs have been eliminated. The system is operated at a high level of efficiency and all the teachers and user associated with the system understands its advantage. The system solves the problem. It was intended to solve as requirement specification.

7. REFERENCES

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