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INTERNATIONAL JOURNAL OF ENGINEERING SCIENCES & RESEARCH TECHNOLOGY

ANDROID & WEB BASED ATTENDANCE MONITORING SYSTEM

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ABSTRACT

Project of Android & Web based Attendance monitoring system by using Web application is definitely based on the computer. The project work is to check the attendance automatically and send sms to student mobile. To overcome the drawback of manual attendance system, this project is developed. Which reduced the time and roll calling error problem. PHP is used as the programming language because of object oriented programming, due to presence of tool debugging etc. PHP used as a front-end and MySQL used as the backend. In order to maintain mobility of records of student from college server with accuracy, we was design a better attendance monitoring system. Considering it as an important modification on the previous working system, this project overcomes the drawbacks of the previous project. In this way, this system will overcome problems related to roll calling and will save the time of teacher as well as the student.

KEYWORDS: My Sql,PHP,Security

INTRODUCTION

Android & Web based Attendance monitoring system is easy availability to access information on the internet presently. This system provide the different storage allocation.Students attending a class and their attendance record can be maintain by teacher and display it on a specific server. Students not attending their classes will lead to the absenties in the attendance record, The system will automatically send the attendance information to their parents and as well as to them through sms to their mobile device. To provide the consistency in their academic attendance record throughout their academic year this would create the data consistency of the academic attendance for a long duration of time.This system is used to co-relate a relation between student's attendance and overall academic performance. To provide the accuracy in the maintaining of the attendance record and to avoid the overight modification of false attendance record, will result in the accurate generation of attendance record. This project will help to keep a track on every individual student with respect to its attendance record. In an addition this system will also send a message to the student as well as to their parent regarding the update of day to day activities.

GOAL AND OBJECTIVE

The goal behind to develop a system is that to avoid and to minimize a paper work and to keep a daily record which would make a work happen punctual way. This system will be a way to a digitalization of a work, which will result in acceleration of work and also will help to keep a consistant track, this system will lead to a specific work and will overcome the manual errors. The goal is to focus on the avoidance of manual error. To keep the consistency of data retriving technique this data can follow the rule of data mobility, so that the data can be fetched from anywhere at any location an at any point. That will help to reduce a physical work of a teacher

PROBLEM STATEMENT

As per the survey done on the papers related to Android & Web based Attendance monitoring system, the system used to lack the consistant data retrival problems. No one specified the data consistency problem which would be solved in our project. Multi login system was not proposed in the previous systems. Here we overcome the problem and started providing the multi login system, which will help to keep the individuals records safe by updating the record by a particular person. Here the authority of updating the individual record is given to every individual person.

MATERIALS AND METHODS
ARCHITECTURE

Android & Web based Attendance monitoring system can follow and manage the sms attendance system this application can work on desktop or android mobile phones to stored and display number of data. HOD can send sms work reporting ratio on teacher mobile Figure show the proposed system model, in which it follow the different hardware and software components such as the readers, tags, different middle ware, database server tools, application server management, hosts and local area network (LAN or wifi). All WEB APPLICATION readers are connected to the number of central system of each class room and connected with existing campus LAN infrastructure. WEB APPLICATION readers powered using Power over Ethernet system. All students and faculty members 'identity card converted with WEB APPLICATION tag. Software running on application server receives number events records, which having tag different type of id, date, time, and class room etc. These information pass through middle ware system the LAN traffic which provides the filtering operation.
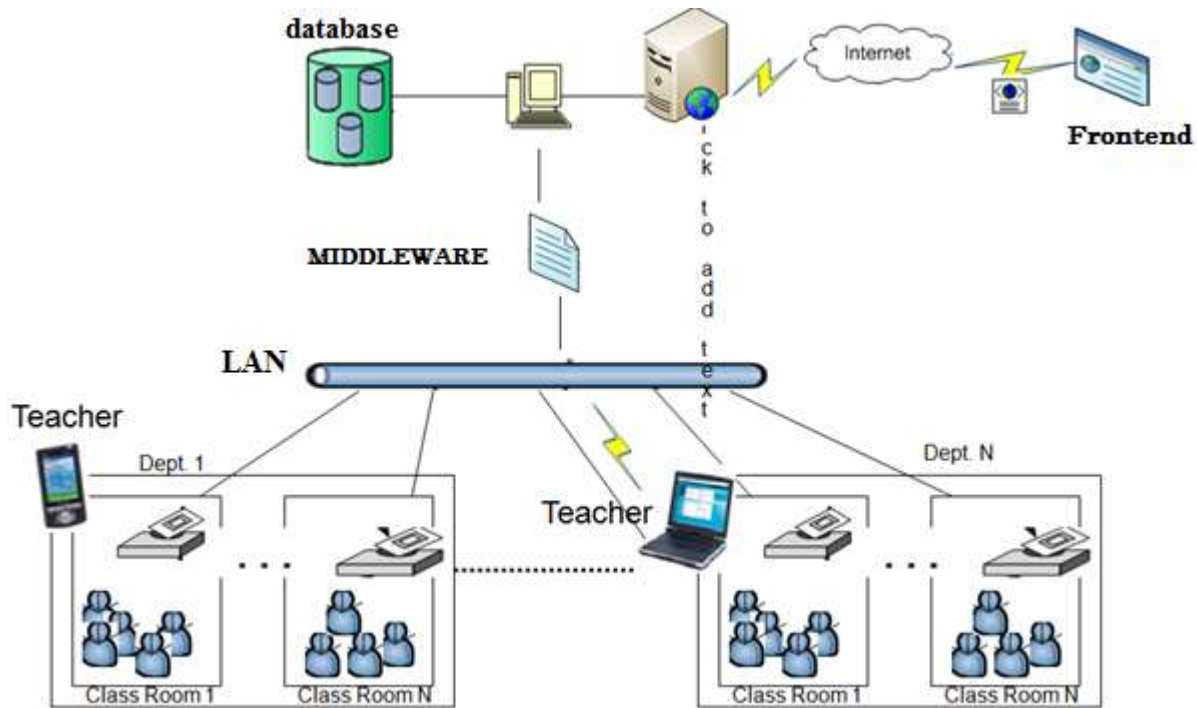
Figure:

Fig. of attendance monitoring system

Running attendance or work it can automatically invoked on the record show all the students and teacher tags as well as faculty tag due to running class time. Detected row of WEB APPLICATION data sends to middle ware through LAN. Middle ware perform web operation to remove unwanted and duplicated data, such as multiple same entry of various student's tags id, some garbage value of data etc. In Application server runs special software can find student tag id stored in permanent database can be scanned WEB APPLICATION tags, if tag id same then mark the proper presence, the system operation.

We have seen years that the process of manual attendance management has been carried out across almost all departments. The process is not only time consuming part but can not inefficient resulting to the display on false marking of attendance. Today we need not to maintain pen and paper working based attendance registers. Following this thought, we have proposed an automatic attendance monitoring system based on the concept of web services which is make as an Android mobile application that communication between the database residing on a

remote server. The android mobile application would require various connecting to the database using the GPRS or WiFi technology. This paper discusses the proposed system, overview of the various design, modules of the system and its implementation.

RESULTS AND DISCUSSION
ADVANTAGES:

- User Friendly monitoring system
- Reports are easily generated
- Daily report can generated on sms
- Very less paper work required
- Computer operator control system
- students attendance system when students miss college then directly send sms students and teacher mobile

DISADVANTAGES:
- SMS sending and SMS receiving both user required gsm signals.
- This system depends on web sever when web server down then totally stop the working

CONCLUSION
Project of Android & Web based Attendance monitoring system by using Web application is definitely based on the computer. In order to overcome the drawback of manual attending taking system, this project can developed module . Main goal students attendance system when students miss college then directly send sms students and teacher mobile Which reduced the time consumption and error problem. PHP is used as the programming language because of object oriented, and presence of tools of debugging etc. PHP used as a front-end and MySQL used as the backend. College maintain the records of students for university of education with proper accuracy, we will design a best automatic attendance management system.It is considered to be the important key of behind motivating this project. In this way, this system will remove problems of the roll calling and will save the multiple times of teachers as well as the students.

ACKNOWLEDGEMENTS

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