

Intranet Based Customized Attendance and Feedback System

Using Php, SQL, Wamp Server.

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Abstract — *Keeping track and history of anything is a very good habit. Similarly, the attendance of students plays a key role in university or colleges/schools. The problem addresses how to keep track of student attendance in university courses in a fast and efficient manner. Our application is not internet based, it is intranet. So the software will be installed in each lab on some selected pc and there will be login for admin, faculty and student. In this admin has the facility to access all the rights of faculty and student. In faculty login, faculty will only have the right to access their lectures let it be in any of the class and he/she can mark the attendance of that particular student. Now in student login they will have the right to track their own attendance and read the data regarding them. There will also be training and placement section in which it will show how many companies came to our college and how many got placed in a particular company. It will also help student to get the aptitude test papers which companies have given before it is just simple that student have to download that particular pdf and solve that particular paper. It will also have the system of feedback which students give regarding faculty and staff of their particular department. This system is very useful for faculty during their evaluation of student's grade at the end of semester. Also student feedback session is included.*

Keywords- *Attendance tracking, feedback section, maintaining records, php, sql, training and placement section.*

I. INTRODUCTION

Attendance Management System application helps the overall working of a schools, Colleges and Educational Institutes. It is an interactive INTRANET based. In the intranet based, it helps the user to view the online results, student attendance, staff details etc. It is also displaying the updated important notice. In the intranet based, it helps the user to store the student attendance, student and teachers profile etc. With the help of intranet based the school managements can reduce the workload, time, resources etc.

Attendance is the act or fact of attending school or college. Also, attendance is used to define the number of persons present on a particular day at school. An attendance policy provides the guidelines and expectations for student attendance at school as defined, written, disseminated, and implemented by the school. Depending on the school, attendance may be entered by the class representative or by the teachers, or possibly, both. Attendance can be recorded in many ways such as using web based, RFID, biometrics and bar code scanner^[2]. Although our system will enter the data manually. Web based system is the most common attendance system that is available but then much online fraud may also occurs with that online attendance management system. Hence we are deploying Student Attendance Management System using Intranet. Also the access for manipulation of data will be given only to admin. Definition characteristic of data will also be provided to the staff members.

Normally feedback is given through pen and paper by selecting some students and then evaluating on particular faculty. But in our system any student can come and give feedback on any of the faculty or on any other thing they want to be improved by their department. It can be done by just logging into their particular id^[8].

To inform student about the placement normally it is done by displaying the notice on the notice board. So it can be done simpler by just adding a T&P section in which students will be informed which companies are going to arrive in our campus for recruitment. As students need to recruit in the company they first need to crack the aptitude round so for this in our system we will be including pdf for each and every company that comes in campus. It will be helpful for the student to get practice of the aptitude papers for particular company. Even the student's grades and overall grades and overall performance will also be updates by the faculty.

II. LITERATURE SURVEY

2.1. Web Service for Student Attendance Management System:

In this system web service is used to mark the attendance of the student. This system can be used by any of the web browser so it is platform independent. As it is web based so programmers can use any of their preferred language. This system is developed for managing daily student attendance in schools, colleges and institutes. The purpose of building this application is automating the traditional manual process of attendance, which involved tedious work. It also avoids proxy attendance. Data accuracy is maintained, within a short span of time. As the attendance is maintained in registers it is very cumbersome to manage, track and update the data. Having backup is also very difficult in this method.

Benefits of this system are:

- It typically works outside private network.
- Offers developers a non-proprietary route to their solution.
- Offers better return on investment of the developed service.

Disadvantage of this system:

- As this system is internet based it will require all time internet connection.
- While accessing the system if the server goes down data fetching would be difficult.
- The major disadvantage of this system is that the internet with slow speed cannot handle operations properly and starts to hang in the middle with no dynamic response.

2.2. An attendance monitoring system using biometrics authentication:

The main aim of this paper is to develop an attendance system using fingerprint verification technique. This paper proposes a system in which fingerprint verification is done by using extraction of minutiae technique and the system that automates the whole process of taking attendance.

The three basic patterns of biometrics are arch, loop and whorl.

Benefits of this system:

- As this system uses biometric so no one can mark proxy of any other student.
- This system is accurate, fast and very efficient.

Disadvantages of this system:

- It will be time consuming.
- It is difficult to implement.
- It will require a separate device so it is cost effective.

2.3. Development of a student attendance management system using rfid and face recognition:

This system was designed as an generic application for automating and enhancing the manual work of recording and reporting in real-time, the Time and Attendance in colleges/universities. They maintained a log in database. This log contained RFID tag ID and image capturing feature by camera. Here, if both student's Id fetched from RFID tag and the captured image is matched, then presence is marked as 'Present' else as 'Absent'.

This paper presents an analysis of different technologies used for attendance marking system. RFID takes an auto attendance for all the students present in class which would reduce the time loss of professors. On the other hand, Face recognition verifies the students that would reduce proxy attendance.

Benefits of this system are:

- As this system uses rfid and face recognition so no one can mark proxy of any other student.
- Rfid tags do not need batteries and therefore it can be used for longer period time.

Disadvantages of this system:

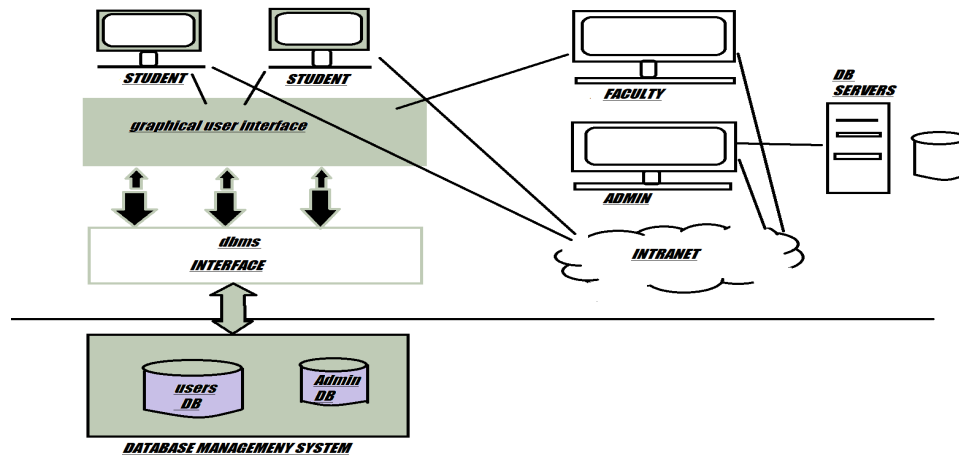
- Difficult to implement.
- It will require face recognition device therefore it is costly.

III. PROPOSED SYSTEM

The proposed system consist of attendance of the students, feedback given by the student and placement cell. In this system there will be one PC where this will be installed so that student can access them from any of the lab they want. As in our college every computer is connected to each other through lan so it can be managed easily. There will be section

for admin where he can check the status of the student whenever he wants and also he can control the functions of the faculty. The admin will only have the rights to check the feedback of the students. In this system there will be section for the faculty where they can update attendance of the student and also post some important message related to their subject. There will be last section for the students where they will be given rights only to check their attendance and the notice which are uploaded by the faculty. The last access that will be given to student is the feedback where they can write their issues or the problems they are going through. We are going to use software PHP, CSS, HTML and hardware are going to be used is the computer itself through which all the functions will be carried out.

IV. ARCHITECTURE



“Figure 1. Basic architecture of the system.”

As a survey of above section, in most of all the research, system is being developed only using one technology i.e. only attendance is being taken. Whereas we are planning to use two technologies, one is for attendance taking and one is for verification. So there is no chance for proxy attendance as well as it also increases accuracy of the system.

This methodology contains three major phases, attendance tracking, and attendance management and report generation. User authentication is also one of the major factors in attendance monitoring system. Every student is authenticated based on his/her unique user id and password. The below figure shows the basic working of the proposed intranet system for student's attendance management system. The below figure shows the basic working of the proposed intranet system for student's attendance management system.

V. WORKING

This system contains mainly four major phase's attendance management, feedback system, report generation and placement cell. Every student contains unique Gr.no by which they will be identified in the placement cell section. The phases as explained as follows.

Attendance management: The details of the student such as Gr no, name, mobile no, email id, dob are maintained in the database. The attendance will be marked subject wise and it will be done daily by the faculty. If there is any transfer of any student from their college it will be responsibility of the admin to update the database. If the admin wants to check the record of any of the student then it can be done easily as the database is maintained.

Feedback system: This system is basically for the student as whenever they want to give feedback regarding faculty or any other issue they can use it and it will only be read by the admin so that proper actions are taken by him/her regarding the feedback.

Report generation: The report will be generated on the monthly basis or term wise. It will also keep the record of the marks that student has scored in their term test and attendance will also be calculated on term basis only.

Placement cell: This unit will be accessed by the placement authorized person only. He/she can fill the information regarding which companies are going to come for the placement drive and which student is eligible for that company. For getting the eligible student they will have to enter their marks and fill by the details required for the drive.

VI. CONCLUSION

This system is proposed for our department so that the manual work of calculating the attendance will be shortened and the calculation of term work will also be done automatically. The Process of feedback will reduce paper work and the placement system will help the student for getting them placed by solving aptitude papers. By this project we are achieving the target of creating the system for our own department and reducing their work.

VII. REFERENCES

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