



STUDENT ATTENDANCE MARKING VIA SESSION OTP USING ANDROID DEVICE

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ABSTRACT

In today's world, a paper based method is used for marking attendance, where the students sign on the attendance sheets. This data is then stored manually into the system. Marking the attendance of the students during the conduction of lecture waste a lots of time and it is very difficult to maintain the attendance record. This process is not fully automated and manual computation is required for this process. It waste lots of time for this reason, the student attendance marking via session OTP using Android device is proposed.

Keywords:-Attendance Marking, Android Device, One time Password

INTRODUCTION

The student attendance system is to provide service in Organization. The system is to provide easy and simple way of attendance marking facility for staff and student. The HOD i.e. the admin can manage all the important contents in the system like adding and removing the new staff and student, adding or updating the information about staff, student, subject, department, etc. and also admin can add notice for staff and students. Staff/teacher who will take the attendance and the Student who can mark him/her as present and see their previous attendance records. The process goes like this, the teacher selects the class for attendance a OTP is generated by staff and they can set particular time for OTP as they wish, the OTP need to be entered in the Student's app and mark him/her as present, once the OTP is expired the teacher can make the necessary changes in the attendance sheet and submit the attendance.

The system decreases paperwork and time needed to access student records. Previously, college relied heavily on paper records for this initiative which had its own disadvantages. It can be used by educational institutes or colleges to maintain the attendance records of students.

It facilitates to access the information of a particular student in a particular class. This application is developed for daily student attendance. It also keeps the record of student attendance. Teachers don't need to create the attendance report. And also parent can view attendance sheet of their respective child and can also view the important notices.

LITERATURE SURVEY

The system which is used now days has some drawbacks which need to be improved for better performance. The method of taking attendance manually consumes more time and adds more workload to the subject teacher. As the technology is developed day by day, we need to use this technology so we can get an efficient result in adequate for attendance marking in the present system all work is done on paper. The attendance marking is done on the papers, all the student record is kept in papers. If we have to view the attendance record of a single student it is hard to find that and is very time consuming. And now a days we display the notices on the www.iejrd.com

noticeboard, it is also the paper work. some students don't check the noticeboard daily or if someone is absent then he/she will miss the notice.

The proposed system has the web application, Android application, web server, database server. The android smart phone must use 3G or 4G internet connectivity to ensure better performance. The main content i.e. Admin can handle this system by the web application.

The staff, student and parent can connect to this system by the Android smart phone.

The user will login to the application through an android smart phone. For the safe attendance OTP is used in this system, which is validate only for 60 sec. It includes Attendance process, Attendance report and Notice. In this system Admin can display the notice for student, staff as well as for parents.

METHODOLOGY

In this there are four modules:

- Admin
 - Staff
 - Students
 - Parent
1. Admin:

In this MYSQL is used to create PHP MYADMIN and through PHP MYADMIN, ADMIN panel is created and in admin panel it consists of staff & student dashboard and subject allocation for staff and subject allocation for student and it consist of all the attendance information about students. Through this admin can easily update the information about particular staff or student. In this the admin can add notice.

2. Staff:

In this staff can logged in by using user id and password. In this the staff can take all the students' attendance and, in this staff, can consist his own profile pic and all his/her professional information and in this Teacher can generate an OTP which will be visible for 60 seconds and take attendance. Teacher will be able to view student attendance

3. Student:

In this student will be logged in by his user_id and password. in this student can give their attendance once OTP is generated by the teacher, students can input the OTP in their application to get the attendance marked. Every student have their profile and they can view notices and when notice is sent it will give notification that notice is sent. And student can view their attendance.

RESULTS

CONCLUSION

An Android based mobile application for Student attendance system is presented. The application offers reliability, time saving and easy control. Admin can handle this system by the web application. The staff, student and parent can connect to this system by the Android smart phone.

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