DEFAULTER LIST GENERATOR

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Abstract – *In the present situation all the college related work such as timetable generation, taking attendance and making defaulters list of students, other related work as like ERP system and measuring the performance of a teacher according to the attendance given by the students is done manually. The main purpose and objective of this project is to get /take attendance digitally. All these tasks are time consuming and also require a lot of efforts and resources.to overcome this problem we have used heuristic approach which form the scheduling task that consist of mapping class, faculty, date, subject work on dashboard handled by admin .The main purpose of our system is to reduce the work load of teachers and also be cost effective and a quick respondent system.*

1. INTRODUCTION

In most educational institutions and colleges learning and extra activities are taken as a vital exercise for transfer of knowledge. This signifies that attendance of college and its importance and other institutions ERP work like student attendance, timetable generation, Exam marks data, Student date, etc. these all tasks are one of the main work. Many conventional methods for attendance and other attendance management related work are adopted by most colleges. One of the most common method for this purpose is paper work. But, nowadays this method is very old and using these methods there is chance of causing of cheating about attendance where anyone can marks anyone's attendance or make change easily. Besides, these types of paper data could easily lost or misplaced at any place.

A strict aim specially to prevent students cheating about their attendance, where a lecturer calls the name each student and mark their attendance manually, such methods are proven that they are difficult and not sure and main this method takes more time of particular lecture. Some of automated attendance system present in world. But, there are some functions not available in that systems. So, there is need of updated automated attendance system.

Therefore, it is our objective to develop an android automated attendance application with online database, attendance reports, student details, attendance proofs, especially to cause of data prevention and make all work paperless as suitable to our green environment with localhost dashboard of an admin. Thus, this application will take surety of attendance and takes less time compared to paper work and make the institute more smart by using our application system. With that we have planned for future to get attendance also by scanning unique QR code scanning.

2. LITERATURE SURVEY

[1]Siti Aisah Mohd Noor, Norliza Zaini, Mohd Fuad Abdul Latip, Nabilah was introduced Android based Automated Attendance System in 2015. In this they develop an app for the teacher/staff taking attendance of the student in which we have to create student profile for the first time and which will be saved for future use.

[2]Akshay Kumbhar, Kunal Wanjara, Darshit Trivedi, Anay Khairatkar and Deepak Sharma was introduced Automated Attendance Monitoring System using Android in 2014. In this we understood Use of this system cuts down the cost and complexity of the project as it does not contain the use of hardware rather than android devices.

[3]Raheema Nilofar, K Sigappi, R Soundarya, SValliammai, AT Barani Vijaya Kumar was introduced Android based Mini Erp System inv2016. The application is portable as it is used on a mobile device and improves connectivity between the staff and the institution. We will use erp for storing data and creating student profile and generation of reports of students like defaulter list, detention list and record of attendance of a student. In this teacher/staff can add, delete and update information and reports of the students. It reduces the paperwork required for maintaining the details and creating reports.

3. SYSTEM ARCHITECHTURE

Our system consists two modules:-

1) USER: User enter in system by entering student id as primary key provided by an admin and after entering in system, they can mark attendance by taking photo as a proof by check-in time and check-out time.

2) ADMINISTRATOR: Administrator can enroll/register details of student and give unique student id each student and also change the details of students also give the holiday and other notification to student user.

Fig 1. SYSTEM OVERVIEW

Fig 2. SYSTEM ARCHITECHTURE

3. EXPERIMENTAL RESULTS

Fig 3. Admin Dashboard
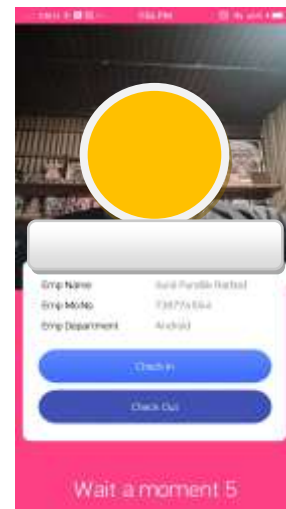

Fig 2. Student login

Fig 3. Student Attenadnce

4. FEATURES

1. Take less time
2. Automated new system
3. Easily operate at real time
4. Flexible and Reliable
5. Temperature insensitive
6. Accuracy is high
7. More Secure

5. APPLICATIONS

1. Teacher get the attendance proof with In and Out time.
2. No need to call roll numbers of each student. They can mark their attendance by their place.
3. Student will get the holiday notifications.
4. If any student have their phone issue than that student can mark their attendance by using their student id.

5. CONCLUSION

The Defaulter List Generator is only the name of our project but our main project is attendance management automatically which is done successfully. Our project is totally android based and automated. Using our project we keeps all institute data like attendance data and student data at admin place. As compare to small project of attendance our project will take less time and not make cheating of attendance proxy. This project will help us to take attendance virtually which gives us advantages of duplicate attendance. Our project can be accepted by all and it is can

be used as large user based project, we can add many number of users. We have kept some ideas and features for future scope like marking an attendance using QR code which will be unique for everyone, after scanning that QR code we will get the details of student. It provides location based tracking of student in which when a student marks an attendance it gets submit with its actual location so there is no problem of marking fake attendance. In future we have decided to add some features like face detection and some other features to make our project more convenient.

ACKNOWLEDGEMENT

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