

MOBILE BASED ATTENDANCE TRACKING APPLICATION

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Abstract—Mobile based attendance tracking application deals with the maintenance of the student's attendance details. The purpose of developing attendance management system is to computerized the tradition way of taking attendance. It generates the attendance of the student on basis of presence in class. It is maintained on the daily basis of their attendance. The staffs will be provided with the separate username & password to make the student's status. The staffs handling the particular subjects responsible to make the attendance for all students. Only if the student present on that particular period, the attendance will be calculated. The students attendance reports based on monthly and consolidate will be generated. Also this provides a transparency in the system so that each student can view their attendance from anywhere, anytime. This application has been built to eliminate the time and effort wasted in taking attendances in college. It also greatly reduces the amount of paper resources needed in attendance data management. This is an android mobile app. It's built to be used for college faculty so that they may take student attendance on their phones.

Keywords— Attendance, Educational, Admin, Information, Outsystem, intranet application.

I. INTRODUCTION

Nowadays, mobile devices have become a way of life for students especially in higher education. Computers are now replaced by compact smart phones that can fit into pocket and can be carried anywhere. Attendance Management System is an application for taking daily attendance in schools and colleges. It provides minimal error in report generation of a particular student's attendance. The main motive behind this software is to replace the traditional pen and register system. Another reason for developing this software is to generate the report automatically at the end of the session or in the between of the session. Smart phones are based on operating systems like Android. To design this project, smart phones with Android operating system are chosen because penetration rate of Android OS is 70 percent. It is an open source and free ware operating system.

II. EXISTING SYSTEM

The Existing system is a manual entry for the students. Here the attendance will be carried out in the hand written registers. It will be a tedious job to maintain the record for the user. The human effort is more here. The retrieval of the information is not as easy as the records are maintained in the hand written registers. This application requires correct feed on input into the respective field. Suppose the wrong

inputs are entered, the application resist to work. so the user find it difficult to use.

A. Disadvantages

Manually calculated maintenance of data. Suddenly searching for any type of related data is very difficult as well as it create mess over there. It not provides the accurate data of attendance of students in the percentage calculation form. Portability Losing of data problem can be occurred easily.

III. PROPOSED SYSTEM

To overcome the drawbacks of the existing system, the proposed system has been evolved. This project aims to reduce the paper work and saving time to generate accurate results from the student's attendance. The system provides with the best user interface. The efficient reports can be generated by using this proposed system.

A. Advantages

It is trouble-free to use. It is a relatively fast approach to enter attendance. It is highly reliable, approximate result from user. Best user Interface. Efficient reports.

IV. MODULE DISCRPTION

A. Admin Module

Administrator Module This module is used to login for administrator, it have whole rights to monitor and manage the entire project, through this module any new information can be easily inserted, updated, deleted or view.

B. Attendance Module

It assists the staff to mark attendance to the students for their subject. This will authenticate the staff before making the entry. It will be makes to the attendance database all students. Entered attendance to stored in the database subject, period wise into the particular date. It will help s to the get report of monthly and consolidate of the attendance.

C. Report Module

Monthly report get particular hour details of attendance from starting date to ending date and display the status.

D. Student Module

In this module registered students can view their attendance reports

V. CONCLUSIONS

By this system Attendance marking and report generation becomes easy. Less chances of malfunctioning are there. 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. It was intended to solve as requirement specification. In future this system can be implemented to automate most of the educational systems and it can be designed for cross platform.

This project is intended to replace the age old system of attendance register with a digital register which can show its worthiness by its features and ease of use. With due course of time we intend it to establish a connection with the college server so as to access and update the attendance over the college.

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