Available Online through
www.ijptonline.com

AN EFFICIENT METHOD OF MOBILE PHONE BASED ATTENDANCE SYSTEM

Anvesh Chakram*, C. Rajagopal
UG scholar, Computer Science and Engineering, Saveetha School of Engineering, Saveetha University, Chennai.
Assistant Professor (SG), Information Technology, Saveetha School of Engineering, Saveetha University, Chennai.
Email: anveshchakram@gmail.com

Received on 10-08-2016
Accepted on 06-09-2016

Abstract

In this paper we are underscoring on building up this anticipate will help the teachers to take participation effectively, safely and is less mistake inclined. For this, we are executing programming "Mobile Phone Based Attendance System (MPBAS)" in light of Android Technology. We are roused to chip away at MPBAS from the current framework E-Beat. MPBAS will help instructors to take the participation of understudies utilizing Smart-telephone. Speakers will login to the telephone application, get associated with the server and take participation utilizing Smart-telephone. In the wake of taking the participation in the versatile, instructors will send it over to the server utilizing GPRS and participation rundown will be overhauled consequently. Instructors will have the capacity to alter the participation by login on to the site. Understudies will have the capacity to see their own particular participation and in addition educational programs subtle elements. To decrease the odds of fake participation, the task would incorporate Location identification utilizing GPS. Additionally email would be send to the understudies by the teachers, telling them of their normal exercises. In this manner, the task will facilitate the workload of the teachers by giving them the stage wherein they will have the capacity to take, oversee, upgrade and see the participation of the understudies with proficiency. Likewise the understudies will remain upgraded with respect to their present status and in this way can enhance the execution by expanding their total participation in time.

Keywords: Authorization, Smartphone, GPRS, GP, Android, Authentication.

1. Introduction

Our venture points in actualizing programming that will help speakers to take the participation of understudies utilizing versatile/Smartphone. Instructors will login to the telephone application and get associated with the server. After login,
they will take participation utilizing cell telephone. Subsequent to taking the participation in the versatile, teacher will send it over to the server utilizing GPRS. Teacher will have the capacity to alter participation by login to the site and understudies will check their participation utilizing a site. We have concentrated on and gone by the distinctive sites and the written works.

According to the writing survey, the different associations and people have attempted to beat the issues in the customary participation framework. Some of them are recorded underneath:

2. Related Work

2.1 E-Beat:

E-Beat is an electronic beat constable's night watching participation framework to maintain a strategic distance from manual recording of time and participation and to spare the time by sign-in/close down at various beat focuses while watching. XIPHIAS has built up the Electronic Beat. It has elements, for example, Compact, Light-weight, Pocket size, carefully designed. Be that as it may, it has a restrictions with respect to framework particular. It is operable in settled temp range i.e. 0 to 70° C. Small memory stockpiling as little as 64kb. It uses the Infra Red Serial port for information correspondence which is obsolete.

2.2 Phone Based Attendance System in J2ME

This anticipate depends on J2ME innovation. Teacher enters the participation to the portable utilizing keypad. It is a manual procedure. In the wake of sparing the truants or moderators into the portable, educator can alter the participation list in the versatile.

Furthermore, this participation points of interest can send to a PC utilizing GPRS. It was produced considering the necessities of that time and has an almost no future extension. The framework has a constrained limits. It lingers behind a great deal as when contrasted with cutting edge innovation, for example, Windows, Android, iphone. It additionally a stage ward and form particular.

It doesn't bolster the GPS innovation to lessen the fake participation. With respect to above writing exploration and taking into thought its disadvantages and constraints, we proposed the „Mobile Phone Based Attendance System in android”. In this proposed framework we are going to build up an android application which will kill every one of the downsides of the current framework, which comprise of the accompanying element highlights:
2.2.1 User Module:
The principle motivation behind the client module is to give security. This module is extraordinarily intended for staffs, which use cell telephone to take participation. Every staff enter username and secret word before enter into participation list. On the off chance that username and secret key can't coordinate, he/she can enter into participation page.

2.2.2 Attendance Entry
The motivation behind Attendance Entry Module is to enter the participation utilizing wireless. In this module Lecturer takes the participation utilizing the phone. Teachers select the branch, semester and year. After this session he enters into participation page. Here staff makes a blemish on the non-attendants

2.2.3 GPRS Connectivity
The principle capacity of GPRS availability module is sends participation rundown to the server database by associating mobile phone with the server through GPRS. In this module participation list in the mobile phone is sends to the database.

2.2.4 Database Module
The main capacity of this module is to redesign the participation list from the mobile phone. At the point when the participation list from the wireless gets, server naturally upgrades its database. The server overhauling the database whether any change from wireless happened..

2.2.5 Area Detection Module
This module helps in limiting fake participation. The teacher can't take participation from anyplace else when he/she is really not present in the class. It will be finished inside 20 days.

2.2.6 Email Module
This module is utilized to send email to the understudies about their participation, educational programs exercises. It can be utilized wherever the participation is a need, for example, in schools, universities and organizations and all over the place.

It can be utilized as a part of little scale and in expansive scale enterprises with little change. Remote access to data through sites.
3. Conclusion

This project will help the lecturers to reduce their workload by reducing the time and calculations required to update the attendance manually. Students and their parents will also view the attendance and curriculum details using the website. As soon as the understudies sign in the application in the class, they will be accessible for the participation. The speaker will then present the participation utilizing the accessibility of the understudies the individuals who are signed in. SMS module can be executed which will advise understudies about low participation and different occasions.

References

1. Nirmalya Kar and Ashim Saha ; Study of implementing automated attendance system using face recognition technique; International Journal of computer and communication engineering, Vol. 1, No. 2, July 2012:


