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A Study in Android Attendance System

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ABSTRACT: Attendance system that presently exists still has weaknesses. the primary is that the long queues ahead of the attending machine at the time to come back to figure and leave work. The second is cheating, workers will raise her/his friend to try and do attending method. The third is usually the attending system has not been connected with the payment system in human resources software package or within the finance department. The fourth, workers WHO work outside the workplace cannot do attending method. during this paper, we tend to introduced associate degree attending system primarily based fingerprint technology and GPS employing a smartphone integrated with payment system that may eliminate all the issues higher than. Our analysis additionally supported prediction that within the next few years all smartphones can have a fingerprint scanner.

KEYWORDS: Android apps, Paperless office, Authorization , Authentication, Smart-phone, GPRS, GPS.

I. I.INTRODUCTION

Nowadays, mobile devices became the way of life for college students particularly in educational activity. Computers are currently replaced by compact good phones which will be match into pocket and may be carried anyplace. The speedy method in mobile technology has created a replacement space that is understood as mobile learning. Mobile learning is that the next generation of e-learning that leads enticing manner of information delivery particularly employed in teaching and learning method. this method is meant as a result of notes dictation within the category is tough considering semester length, student would possibly miss the communicating and necessary notice displayed because of unknowingness, amendment of false marking of attending is additional because of paper work and manual attending entry, analysis and report generation is tedious and time overwhelming jobs. good phones are supported operational systems like blackberry, IOS, Android. to style planned project, good phones with robot OS ar chosen as a result of penetration rate of robot OS is seventy %. it's open supply and free ware.

II.RELATED WORK

Several techniques and ways are dispe nsed effectively to watch worker attending. Lawson et al. planned a value effective laptop primarily based embedded attending management system by that authority electrically monitors the attending for verification mistreatment associate degree makeshift electronic card. These cards contain necessary info of a private. These are inserted in associate degree electronic machine which can record the time and alternative info to a server system. word primarily based authentication and verification of attending watching system of any people has additionally been dispensed within the literature. A system that applies user id and word of an individual for authentication was designed and enforced by Cheng et al. . However, a difficulty with these electronic cards or word primarily based system permits for deceit since cards or words are often shared or somebody will raise alternative person to insert his/her card or password. This downside are often addressed by mistreatment biometric recognition system which has finger print or iris recognition. A system was planned and enforced by authors in fingerprints to spot and calculate the attending and generate the reports when a hard and fast time length. people merely place their fingerprints on the fingerprint reader that scans the finger print and verifies that person. M. Smaili et al solved the matter by proposing a wireless attending management system wherever iris of a private is employed for authentication. it's additionally like fingerprint wherever no 2 folks will have constant eyes. A scanner can scan the eyes and mechanically log the person in. not like fingerprint, iris is additional preserved from the external surroundings. however each the fingerprint and iris recognition primarily based approach desires some further devices or scanner which may be connected to the server computation system. In our work, we tend to addressed the matter utilizing smartphones web property for watching the presence or attending of a private. Smartphone primarily based watching system reduces the excess price of extra scanning device as a result of currently a daysnearly every worker possess a smartphone of his own. {An spacea neighbourhooda districta regiona localitya vicinitya parta section} is mounted for each worker once

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associate degree worker enters or exits that area, that point stamp is saved and therefore the time length of any explicit worker residing among its space is calculated by the system.

III.METHODOLOGY

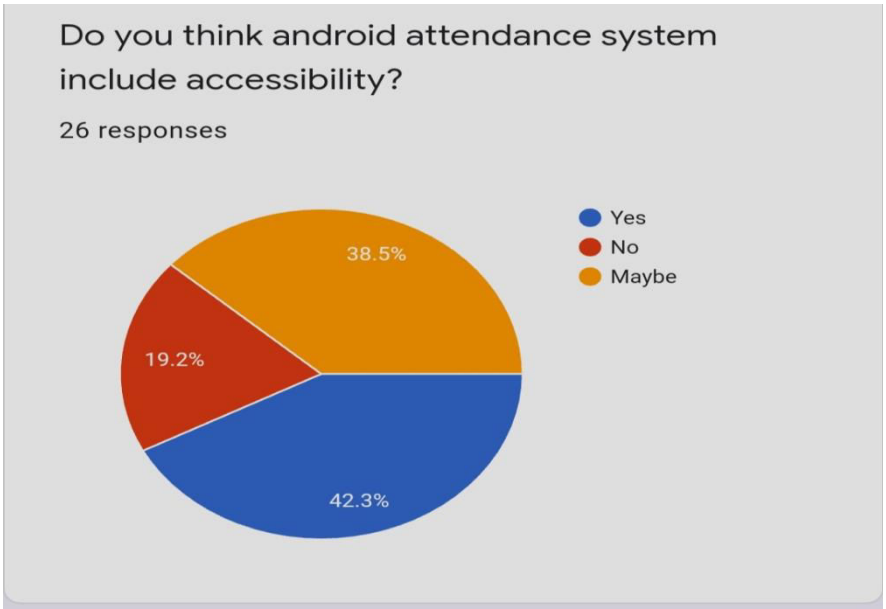
An online survey was command mistreatment Google kind. The link of the shape was circulated in social media platform. The questionaries within the kind were designed to check the planned hypothesis .

i. Participants

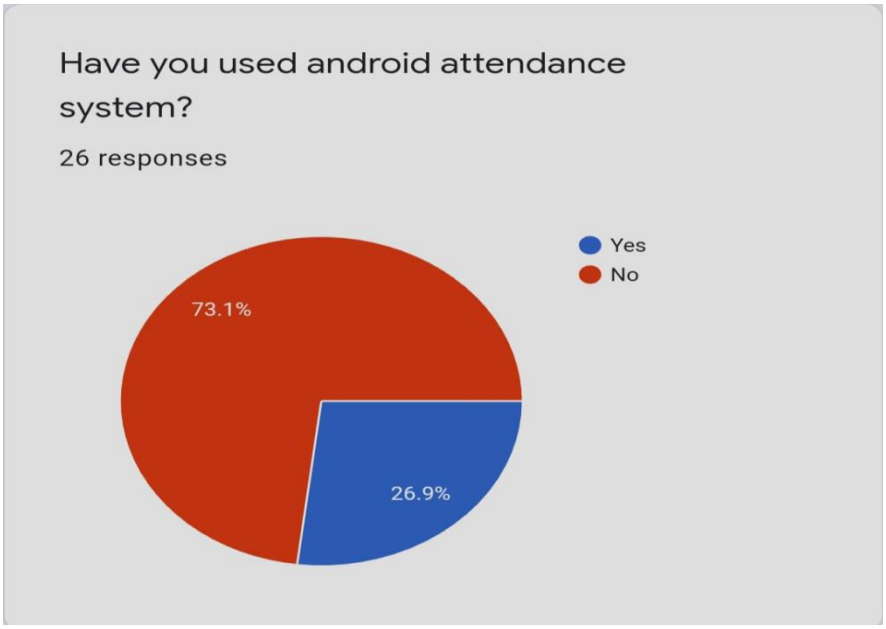
A total of twenty six participants information was collected.

ii. Measures

Participants wherever raise to settle on have you ever used robot attending system? (yes/no) and does one assume robot attending system embrace accessibility?(yes/no).



(a) Response of accessibility



(b) Response of system used

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IV.EXPERIMENT RESULT

The survey information was collected and solved by CHI SQAURE check with 0.05 significance level. we tend to checked whether or not there's relation between Participants assume android attending system embrace accessibility and have you ever used robot attending system. The participants wherever asked inquiries to collect information (example, does one assume attending system embrace accessibility? have you ever used android attending system?)
We choose,
Null hypothesis = There's no significance associated with embrace accessibility in android attending system and folks WHO ever used android attending system among participants.
Alternative hypothesis =There isn't any significance associated with embrace accessibility in android attending system and folks WHO ever used robot attending system among participants.
x2tabular=5.99 , x2cal=0.0123

The data samples were calculated using chi square test and the survey analysis resulted that 42.3% people think android attendance system include accessibility and 19.2% people think android attendance system should not include accessibility. There is 73.1% people used android attendance system and 26.9% should not used android attendance system. from that we got to know that there is no significance relation between associated with embrace accessibility in android attending system and folks WHO ever used android attending system among participants

V.CONCLUSION

This paper introduce a wise, location primarily based time and attending chase system mistreatment robot application that use location because the core part of attending chase mistreatment smartphone. the realm is about for chase mistreatment GPS and worker coordinate within the realm border depicts that worker is gift within the organization. we tend to developed this method for robot platform, however we tend to are that specialize in developing this method for iOS platform also in neat future.

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