

## UNDERSTUDY PERFORMANCE TRACKING USING QUICK RESPONSE CODE

<sup>1</sup>Shabeek abuthahir.S, <sup>2</sup>C.Geetha<sup>2</sup>

<sup>1</sup>student <sup>2</sup>asst.professor <sup>3</sup>asst.professor, dept of cse,bist,biher,bharathuniversity,chennai,

<sup>1</sup>1abu3237@gmail.com , <sup>2</sup>gitakannan.2010@gmail.com

**Abstract:** Understudy participation assume fundamental part with a specific end goal to legitimize scholarly result of an understudy and personnel as by and large. A framework to record and view participation rate utilizing a q-r code and filtered by savvy gadgets which help the understudies to maintain a strategic distance from penalties that may happen from poor participation. This undertaking utilizes a standardized tag scanner. This style was chosen because of its effortlessness and value adequacy. The main instrument required by the client is an internet based gadgets, for example, an advanced cell, a tablet or a pc.

**Keywords:** Attendance framework, gps, cell phones, qr code, following, instructive system, mobile registering

### 1. Introduction

The most vital issue for understudies in schools and colleges is consistent participation. Understudies who don't ready to go to addresses because of some reason will encounter issue. As we probably am aware, pdas have highlights through which we can uninhibitedly introduce and execute an assortment of utilizations and particularly, as the qr code scanner program was broadly created utilizing the worked in camera works. Since qr code is an intuitive code that interfaces the data of on the web and offline. In my venture, class of 30 understudies is taken as a specimen to lead the trial. The staff has 30 qr pictures of the students.the pictures of specific understudy who is available in the class will be filtered by the workforce by advanced mobile phones which has qrperuser programming introduced in it, which affirms the participation of the researchers. This records will be sent to the arm memory through gsm and after that through ethernet, this information will be sent to the pc, utilizing which the information is gathered and kept up. The understudies who has underneath 75%attendance, their data will be sent to the arm processor through ethernet again at regular intervals .then the arm processor will allow to send the understudies participation to their particular watchman through the gsm attendance frameworks are utilized as a part of

numerous colleges. In this way, it turns out to be simple for the understudies to know their participation rate. Hence, with the request of participation in their universities they can without much of a stretch kept up their participation[1-2].

### 2. Proposed system

In my task, one class of 30 understudies is taken as a specimen to lead the examination. The staff has 30 qr pictures of the understudies with him. The pictures relating to every understudy who is available in the class will be filtered by the personnel by advanced mobile phones which has qrperuser programming introduced in it, which affirms the participation of the researchers. This data will be sent to the arm memory through gsm. At that point through ethernet, this information will be sent to the pc, utilizing which the information is gathered. The understudies who has beneath 75%attendance ,their data will be sent to the arm processor through ethernet again at regular intervals[3-4] .then the arm processor will send the understudies participation to their particular watchman through the gsm , which spares time and labor which is the degree of my project.

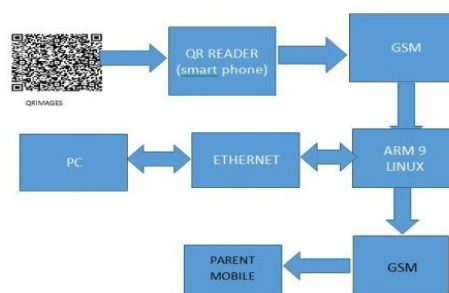


Figure 1. Block diagram

#### 2.1 Algorithmic rule steps

The working of the venture will be clarified inside the accompanying steps: 1.generate qr images for the understudy learning (hall sticker price no and subject

name) by abuse mobilefish.com online web site. 2.installqr reader programming in great telephone. 3.scan the qr images with the encourage of good telephone's camera. 4.send the decoded data through gsm to arm9. Worldwide journal of latest trends in engineering and technology 5.maintain the coed learning (hall sticker price no and subjects) and refresh the understudy information in arm9 processor.6.calculate the attendance share and send it to portable workstation for every time of time.7.if any understudy is having yet 75% going to, at that point send the participation to their different parent mobiles.



**Figure 2.** QR code reader

## 2.2 Hardware implementation control unit

Samsung's s3c2440a 16/32-bit risc microchip. Samsung's s3c2440a is planned to give hand-held devices and general applications with low-power, and world class microcontroller course of action in little pass on measure. It is monetarily shrewd and strong. In my paper the[4-6] .exe record of my code is dumped in this arm processor. The photos identifying with each understudy who is accessible in the class will be sifted by the staff by adaptable which has qrperuser programming presented in it, which attests the cooperation of the understudies. This data will be sent to the arm memory through gsm. By then through ethernet, this data will be sent to the pc, using which the data is assembled and kept up. The understudies who has under 75%attendance ,their data will be sent to the arm processor through ethernet again at consistent interims .then the arm processor will send the gatekeepers through the gsm (or) free sms organizations like way2sms.com, which saves time and work[7-10].

## 2.3 Gps module

The global positioning system (gps) is the satellite based course structure that sends and gets radio signs. The preface of the gps advancement is a game plan of 24 satellites that are relentlessly surrounding the earth. These satellites are equipped with atomic checks and pass on radio signs concerning the cautious time and their zone. These radio signs from the satellites are gotten by the gps recipient. Once the gps beneficiary bolts on to

four or a more prominent measure of these satellites, it can triangulate its region from the known places of the satellites. In my paper when disaster happens thagps recipient finds the degree and longitude esteems so the accident range is find and the setbacks can be spared[11].

## 2.4 Qr code

A qr code is a 2-dimensional scanner tag. This suggests bits of information are encoded on a level plane and vertically rather than being quite recently equally encoded like a standard scanner tag. The acronym qr is gotten from the term quick response. The association denso wave at first delivered the articulation "qr" as the producer arranged that such scanner labels and their substance were to be decoded at quick electronically .qr code generator. Qr code generator is used to make qr codes. By using mobilefish.com online webpage we can deliver the qrcode[12-15].

## 2.5 Qr reader

Qr reader is utilized to peruse the qr code data. To peruse a quick response code, an advanced cell set up with a camera and a qr code peruser is required. The qr code peruser is an application (to introduce on your advanced cell) which utilizes the camera to catch the code and interpret it.

## 2.6 Experiment and result



**Figure 3.** QR code

## 2.7 Current system problems

The accompanying diagrams the issues with the present framework. 1.performance of methodology is moderate2.the paper or verbalization structure can be lost by staff. This prompts do mess up in truant rates.3.in a few cases, staff confront issues in making understudy names unmistakably. This prompts confront inconvenience for the system executive when entering information.4.the structure is from time to time insufficient, which infers a few fields can't be done; date, subject name, educator name, et cetera. 5.all information (paper structures) are entered to a microsoft excel archive toward the finish of each class.6.the incharge may confer



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