QR Code Based human position Reconization System

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Abstract: **The Autonomous position detection and tracking system enhances the accuracy of locating members positions by scanning QR Code. This system includes a mobile client. The mobile client is used to find location. This location information can be sent to the server and the same information can be managed and viewed using the web client by other users.This is a smart phone application that uses location based information and concepts of augmented reality to enhance user's experience. Using QR Code, the application is location aware.It keeps track of the user Loacation in real time. The application keeps on updating the view as the user changes location or direction.With rapid development of mobile internet technology and wide usage of Smart Phones, more attentions have been given to network access techniques and interactive applications through mobile phones.**

Keywords: QR Code, position, detection, network, technology.

I. Introduction

With the advent of the digital information age, Internet technology promotes the universal use of QR codes in real life, which greatly facilitates people's daily life. With the rapid development of two-dimensional codes, the problem of image recognition of two-dimensional codes has also received extensive attention. The Autonomous position detection and tracking system enhances the accuracy of locating members positions by scanning QR Code. This system includes a mobile client. The mobile client is used to find location. This location information can be sent to the server and the same information can be managed and viewed using the web client by other users.This is a smart phone application that uses location based information and concepts of augmented reality to enhance user's experience.

Using QR Code, the application is location aware.It keeps track of the user location in real time.The application keeps on updating the view as the user changes location or direction.

II. Literature Survey

The research of QR code recognition algorithms has always been a hot research topic in the field of image processing. QR codes are read based on digital image-processing algorithms. However, due to various reasons during the image acquisition process, it is easy to cause QR code image backgrounds to often exist and identify barcode-independent noise, and the acquired QR code image may have geometric distortion, or the background of the QR code image is very complicated, which makes it difficult to read the QR code with general purpose equipment, and the accuracy of decoding is greatly reduced. Therefore, how to properly process and correct the collected QR code images is a key technical issue for QR code reading.

II. Proposed System

Now a day's every individual has well knowledge about mobile and web applications. If an application is developed to search a human in nearby Geo location it will be easy for a user to get that human with in less time span. If the application is web-based application.

This application is applicable for various fields, like homely goods stores, medical stores, hospitals, blood donors as per the user needs which will prevent major damages. The main advantage of this proposed system is to reduce time and expenses.

We can also get exact route to the store where the human is available. In order to achieve this we use PHP and MySQL. However, it does not provide the results very fast and also it is difficult to maintain the database of all the stores in MySQL.
In order to overcome above drawbacks we shifted to Mongo DB, as it is a No-SQL database. To get quick results. We shifted to Perl language for easy connection to DB.

A. Design Concept

The strength and weaknesses of the chosen methodology have been outlined. Further, the functional and non-functional requirements of the system are explained in detail and the use cases which are a list of steps, typically defining interactions between a role and system, to achieve a goal.

Due to lack of facilities provided by Shop, people are not working efficiently and it has indirect effect on their performance and outcome, so

- Assessing their needs,
- Working conditions,
- Providing the development opportunities,
- Helping skill development through training interventions and planning And through this the employee satisfaction level can be increases & productivity also increases.
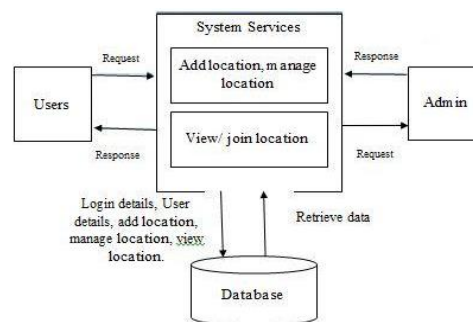
v. Application

1. This system can be used by Colleges.
2. This system can be used by Industries.

Acknowledgement

Conclusion

In this case, the QR code recognition rate is very low or cannot be recognized at all. As an excellent two-dimensional code, the application of QR code in trademarks is bound to be a major development trend. As a result, it is of great significance to improve the recognition rate of the QR code in special circumstances, and the improvement of the recognition rate can also greatly promote the application of QR codes. Based on standard median filtering and classical adaptive median filtering. The system for identification of objects based on QR code is consisted of the database, Web service, and client Android application. It is designed to be run on both

mobile phones and tablet computers. The security of the system is achieved by using the code as anobject identifier and by using the Web service to prevent the direct access to the database.

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