

Hospital Management System

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Abstract- : Medical data are an ever growing source of information generated from hospitals consisting of patient records in the form of hard copies which can be made easier and convenient by using QR code of the patient details. Our aim is to build a Health-care Portal system which will provide the features like clinical management, patient records, disease prediction and generate QR code for every patient as per there updated disease information. It likewise has exceptionally authentic uses in investigations of human-computer interaction. There are various Key logging techniques, extending from hardware and software based methodologies to acoustic examination.

1. INTRODUCTION

Visual and Secure Authentication System For Patient Data Management Medical data are an ever growing source of information generated from hospitals consisting of patient records in the form of hard copies which can be made easier and convenient by using QR code of the patient details. Our aim is to build a Healthcare Portal system which will provide the features like clinical management, patient records, disease prediction and generate QR code for every patient as per there updated disease information. Search disease by using Naïve Bayes algorithm and predict disease to patient.

Hospital are very essential part of our lives, providing best medical facilities to people suffering from various diseases. But keeping track of all the activities and records is very error prone. It is also very inefficient and time consuming process observing the continuous increasing population and number of people visiting the hospital. Recording and maintaining the records is highly unreliable and error prone and inefficient. It is also not economically and technically feasible to maintain the records on paper. The main aim of project is to provide paper-less up to 90%.

A security system for QR codes that guarantees both users and generators security concerns will be implemented. The project exhibits how careful

visualization outline can improve the security as well as the convenience of authentication.

1.1 PROBLEM STATEMENT

Medical data are an ever growing source of information generated from hospitals consisting of patient records in the form of hard copies which can be made easier and convenient by using QR code of the patient details. Our aim is to build a Healthcare Portal system which will provide the features like clinical management, patient records, disease prediction and generate QR code for every patient as per there updated disease information.

There are various Key logging techniques, extending from hardware and software based methodologies to acoustic examination.

1.2 EXISTING SYSTEM

- Whenever a user types in her password in a bank's sign in box, the key logger intercepts the password.
- Even worse, key loggers, often root kitted, are hard to detect since they will not show up in the task manager process list.

2. DISADVANTAGE

- It is non-Security for stored data.
- Security level is low.
- QR code is not encrypted which is less secure.
- It doesn't challenges the paperless work.

3. ADVANTAGES

1. A novel QR code Strategy based on encryption technique which can challenge the existing QR code strategy.
2. The system implementations in the form of Android applications which demonstrate the usability of our protocols in real-world deployment settings.

3. To generate QR code for every patient as per their disease the system takes less time.
4. Every interaction between the user and an intermediate helping device is visualized using a Quick Response (QR) code.
5. It supports reasonable image security and usability and appears to fit well with some practical applications for improving online security.
6. Patients do not need to visit personally to the physician or at medical store.

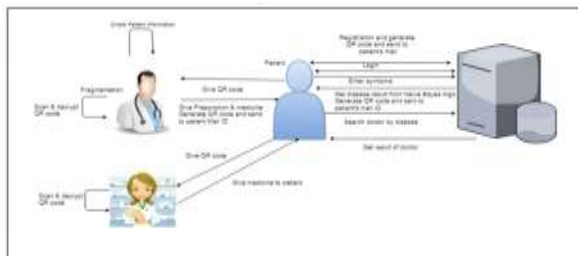
4. WORKING

In order to shorten the paperless work procedures when a patient visits regularly or seen in the emergency case, we will be retrieving their information which is scanned with the help of a QR Code containing a link of the patient's emergency information stored in database.

When patients first visit to hospital, perform registration process with system. At the time of login there are two steps one is password based and another is OTP based, in password based he will enter his username/ email with password. In second step the system will ask the OTP displayed on the normal keypad which is visualized and respected. The actual pattern of that keypad is sent to user's email ID upon successfully entering the correct email and password of that user.

Upon successful login, user will check-up details and submit and system will generate the QR of that user's information and that QR will be kept in admin records and user will get the ID for his record. When user visits the hospital he will tell only his ID and admin will scan respected ID's QR code and proceed accordingly.

If any change in user's details then he will login to his account and do changes then system will generate new QR code. And next time admin will use that newly generated QR code.



5. CONCLUSION

We proposed health care system for hospital for this we are using Naïve Bayes and Blow fish algorithms. We generate QR code for every patient. We also proposed and analyzed the use of user driven visualization to improve security and user-friendliness of authentication protocols. Proposed two of protocols that not only improve the user experience but also resist challenging attacks, such as the key logger and malware attacks. Our protocols utilize simple technologies available in most out-of-the box Smartphone devices. In addition, we will study methods for improving the security and user experience by means of visualization in other contexts, but not limited to authentication such as visual decryption and visual signature verification.

REFERENCE

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