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Emergency Information Access using QR Code Technology in Day to Day Life

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Abstract: *Health monitoring, Travelling, Documents, Personal details access has become the most important factor in today's era. During the time of emergency, it would be difficult for the physicians to know the past health history of the victim to proceed with further treatments .This project presents a health monitoring system where a person himself/herself can enter their own health and emergency information into our servers and it can be accessed by anyone using the QR code technology at the time of an emergency. The system is implemented in the web based operating envorinment which is the most widely used accessible system all over the world. This system helps to keep track on the individual's health information, henceforth giving a way for the physicians to access the information during the time of emergency. This not only saves the life of the victim but also helps the physicians to work at ease. Also the service provides the detail information of victim or user such as Adhar card, Pan card, driving License etc. User can access this information when required and did not have to carry the original details i.e. the original details remains safe. Also the user can attach his/her any other documents. The service can also provides the Location of user to his one of the family member.*

I. INTRODUCTION

The objective of this project is to develop a system where a person can enter into his/her medical information and personal details and documents. The system mainly focuses on the ability to quickly access information in case of any emergency. The users will be able to see the details of the person who needs any kind of medical attention, personal destails, any kind of documents. The system provides the information of the person, which includes his recent medical records and also personal details certain hospitals, that is, the patient can only retrieve medical records provided by a specific hospital , Adhar card, Pan card, Drving License and any other documents. This system focuses mainly on the sharing of reports within a hospital organization, police verification, use adhar card, pan, driving license when required , and documents. When needed a driving license or bike/car details, RC book info simply scan a code and service provides an information . The service can also provides the Location of user to his one of the family member i.e. location is visible to trusted persons only and user specified persons. Hence this project is performing for user all types of details can be used by user. We are creating an web base application, which uses a login form to authenticate the user into his personal account where he provides all the personal details and information of user. The details are then saved in the database and a QR code is generated which contains the required details of the user. In the case of emergencies, the QR code can be scanned and the details stored in the database are retrieved. This saves the time to start the treatment of a patient admitted at an emergency . This saves time taken to complete all medical procedures in order to start operating the patient. It is also a safe and secure data storage and retrieval. By applying this method, it not only saves the life of the victim but also helps the physicians to work at ease, also keep safe the original details, documents. This QR code is shown on the 'Lock screen' of user mobile phone or android mobile. In some cases user can't have mobile system can provide an 'Smart card' which include this unique QR code with the special ID number. If user lose this Smart Card then this card is breaked by using special ID number(As we are able to break ATM card).

II. MODULE IDENTIFICATION

After careful analysis the system has been identified to have the following modules:

A. Registration and Login Module
B. Generate QR Image
C. Scan QR Image
D. Add Medical History
E. Download Id Card

III. MODULE DESCRIPTION

A. Registration And Login Module

In this module a new user can register his / her details for accessing this app. Once they are registered or if they already have an id and password, they can enter through the login portal and can access the application. New Users details are stored in the database and the existing details are obtained from the same for checking at the time of login.

B. Generate QR Image

In this module we read IMEI number of the mobile than we generate the QR code using the zxing api. User after the registration can view the generated QR code. User fill the details and that details are stored on the server side.

C. Scan QR Image

In this module user first has to login into the application. Once he is logged in than he/she can press the scan QR button. After pressing the button camera will start automatically and it will retrieve IMEI number from QR image and than it will send to the server.

D. Add Medical History

After registration and login user can add Medical history and also can upload the identification proof. All the uploaded document will be save on the server side.

E. Download Id card Module

Once the QR is scan than this module will help to select id card and than download.

IV. LITERATURE SURVEY

Traditional System is used for basic hospital management services and health care, to store copies of adhar card, pan card, driving license, any other documents. The medical and lab reports are shared within various departments of the hospital and with the patients in the form of QR codes. The driving license or bike/car details, RC book info can be provided by simply scan a code and service provides an information, also it can provide the adhar details, pan destails when required . Documents such as marksheets, bank slips, bills etc. also be provided by this system. This system focuses mainly on the sharing of reports within a hospital organization, police verification, use adhar card, pan, driving license when required , and documents. When needed a driving license or bike/car details, RC book info simply scan a code and service provides an information .Hence this project is performing for user all types of details can be used by user. This QR code is shown on the 'Lock screen' of user mobile phone or android mobile. In some cases user can't have mobile system can provide an 'Smart card' which include this unique QR code

V. CONCLUSION

We have presented the concept of sharing emergency information through QR codes. The customer has to enter all his personal and medical information by him/herself. Consumer will be more loyal towards the service provider. The QR code can be scanned through any QR code scanner app across any platforms.

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