**VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, PUNE**

**COMPUTER ENGINEERING DEPARTMENT**

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**Synopsis**

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**Group number:** BE Comp/PRJ/18-19/21

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**Title : Recommendation Of Doctors and Medicines using Review Mining**

**Objective :**

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.

**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. We try to provide facilities such as prediction of disease ,clinical management. This project aims to provide services majorly in rural areas where people cannot access doctors easily.

**Briefs about Contents:**

1. **Introduction :**

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 not economically and technically feasible to maintain the records on paper. Key logging or keyboard capturing is the activity of recording (or logging) the keys struck on a keyboard. It likewise has exceptionally authentic uses in investigations of human-computer interaction.

1. **Technical Details :**

* Coding Language : JAVA/J2EE, Hibernate.
* IDE : Java eclipse.
* Web server : Apache Tomcat 7.
* Front End : JSP, CSS etc/Android.
* Back End : MySQL as database server.

1. **Working :**

**1. Patient:**

* Registration
* Login
* Logout

**A. Registration**

* The patient will register to the system with normal information.
* At the time of registration patient will enter valid Email-ID and receives QR code on his Email-ID which in encrypted format.

**B. Login**

* For login to the system, patient will enter the Email and password, if entered details are correct then the system will redirect him to home page otherwise it will shows an error message.

**After Login:**

1. Patient will enter the symptoms.
2. Then patient get disease result and generate QR code and sent to patients Mail ID.
3. Patient will search for doctor as per disease shown by system.
4. Patient will get result of doctors.

**C. Logout**

* Patient logout the account from system.

**2. Doctor**

* Registration
* Login Scanner
* Logout

**A. Registration**

* Doctor will register to the system with normal information.

**B. Login into Scanner.**

* Patient gives QR code to the doctor which is received in his mail ID.
* Doctor login into scanner.

**After Login:**

1. Doctor scans and decrypts the QR code.
2. Then gives prescription and medicine in QR code format and send to patient Mail ID.
3. The alert will be generated and send to user on his profile regarding prescription.

**C. Logout**

* Doctor Logout the account from system.

1. **Applications:**

* This system is used in organizations (hospital) for security and authentication.
* This can be used in rural areas.

**References/Bibliography:**

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