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SURVEY PAPER ON ELECTRONIC HEALTH RECORD OF ACCIDENTAL PERSONAL USING BIOMETRIC.

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ABSTRACT: Cloud Based Medical Biometric System for EHR is a system that is used to save the patients treatment time. Initially, users will enroll when they go to hospital and provide their medical details which will be stored on cloud. Then, in case of emergency biometric system is placed in ambulance which will take input of patient's fingerprint impression through fingerprint recognition technique, fingerprint will be identified and patient's details will be provided to hospital. This will be useful because a lot of time will be saved to start patients' treatment as patient's details will be available to hospitals even before patient reaches hospital and doctors will be knowing all the pre requisites of the patients and all his medical history.

Keywords: Fingerprint Recognition Device, Cloud Base electronic medical record system, Patients, Hospital-

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I INTRODUCTION:

Fingerprint Based Medical System introduces the efficient way to store patients' clinical records. It is used to determine the patient's past health record quickly and easily by using the fingerprint recognition technology. The medical information system which will enable a reliable electronic medical record system stored in the database. This system replaces the conventional paper-based medical records with electronic medical record system.

According to the present scenario the time duration that is utilized for the availability of ambulance and the availability of resources in the hospital after arriving of the patient is increasing day by day due to increase in the number of accidents and health issues. So, to tackle the problem of time wastage when the patient arrives at the hospital, we present this paper. Firstly, in this paper we will be getting the medical history of the patient using database.

This information will be updated in the central server. The moment patient is admitted in the ambulance in order to retrieve his medical history, fingerprint recognition is done.

Relevance:

According to the present scenario the time duration that is utilized for the availability of ambulance and the availability of resources in the hospital after arriving of the patient is increasing day by day due to increase in the

number of accidents and health issues. So, to tackle the problem of time wastage when the patient arrives at the hospital, we present this project. Firstly, in this project we will be getting the medical history of the patient using database. This information will be updated in the central server using the concept of cloud. The moment patient is admitted in the ambulance in order to retrieve his medical history, fingerprint recognition is done. This biometric information that already exists in the central server is transferred to the hospital so that the time wastage for the prerequisites of the patient will be minimized. Finally, this paper presents the design of a small, robust, low-cost and easily accessible biometric medical database system in ambulance using IOT. IOT enables the communication of diverse suite of devices and objects.

II LITERATURE SURVEY:

1. Emergency System to Support Emergency call Evaluation and Ambulance dispatch

Author: Chris Kroni's, George Hadjjichristofi, Constantinos, pattitchis.

The main purpose of this study was to create an electronic system (eEmergency system) in order to support, improve and help the procedure of handling emergency calls. The main features are the support for ambulance fleet handling, the support for emergency call evaluation and triage procedure and the improvement of communication between the call center and the ambulance vehicles.

2. Prehospital Electronic Record with Use of Mobile Devices in the SAMU's Ambulances in Ribeirão Preto-Brazil.

Author:André Luis Mendes Marques; Paulo Mazzoncini de Azevedo Mar.

This paper presents the development of an electronic record system for tablets with a focus on pre-hospital patient care. With the popularization of mobile and wireless technologies, the motivation and encouragement for the use of these technologies increases in support of the reliability and quality of data. An usability evaluation was conducted to identify problems and deficiencies presented in the mobile application. The combination of these two contexts creates a new term called mobile health, which has motivated much discussion of how greater access to mobile phone technology can be leveraged to mitigate the numerous pressures faced in the medical care of health systems

3. Requirement Analysis and Implementation of Smart Emergency Medical Services

Author: Ji Hoon Kim ; Hyo Suk Nam ; Hyuk-Jae Chang

Based on requirement analysis, we designed and implemented SEMS using health information standards to provide interoperability between devices and systems. As an application of SEMS, an example service is introduced: lifelog-connected EMS for stroke patients with a real-time location service for managing timeline of treatment.

4. Using fingerprints to identify personal health record users in an emergency situation

Author: Pariwat Choosang, Sangsuree Vasupongayya.

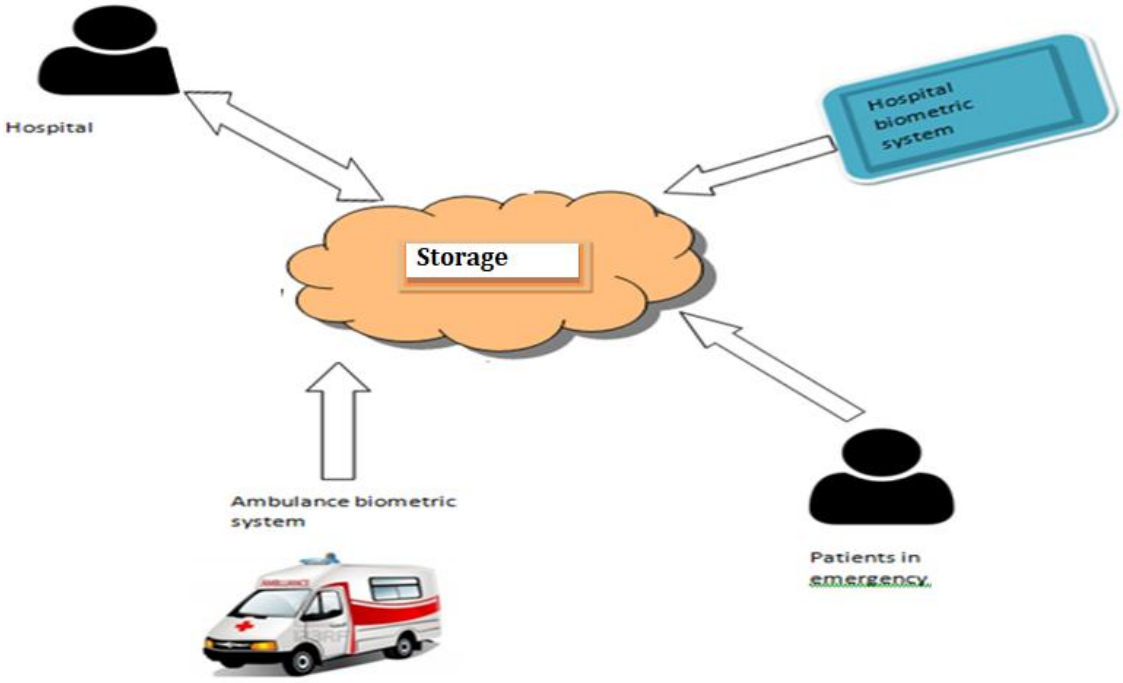
Personal Health Records (PHRs) is a system that allows an individual to store and share his/her health-related information with others. The PHR owner can control all accesses to his/her data stored on the PHR system. This work aims to propose a privacy-preserved identification scheme to be used in the PHR system during an emergency situation especially when the victim is unconscious. The fingerprint-based scheme under a Protected Biometric Template (PBT) concept is applied to identify the victim without compromising the privacy of the victim.

III PROPOSED SYSTEM:

Proposed system keeps record of all patients in a single database i.e., on cloud. Patients doesn't need to provide his/her details to different doctors.

Every doctor having the system has that patient's details.

The proposed system keeps record of entire medical details of the patient.



IV CONCLUSION:

Thus, we are going to implement a system to track medical history of patients in emergency. A project will be developed using Java programming language. Database used will be MySQL.

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