**Web-Based Database and SMS to Facilitate Healthcare Medical Emergency**

**Objective:** The problem is that, if a user needs any emergency service or treatment, he can’t find the hospitals where the emergency unit is filled or not.

**Keywords**: Web-based database; healthcare; medical emergency; intelligent agent; SMS.

**ABSTRACT**

Healthcare and medical emergency are essential systems in human life; so that many countries work toward having it. Investigation of Malaysian case shows that it suffer from locality, missing of unified electronic medical record EMR and lack of utilizing Internet, multimedia, wireless and real time technologies.. This leads to difficulty in communication, hard to manage and exchange patient data between various medical units. The fully computerizing and combining of such medical systems will lead to produce a Novel Integrated Healthcare Medical Emergency Model (IHMEM). IHMEM involves web-based database, intelligent agent and sms facility where an agent can give reply to patients about their need. All hospitals, healthcare and emergency centers can view the patient record simultaneously, exchanging, managing and collaborate on sharing resources between medical units.

**EXISTING METHOD**

Compared to existing medical related telemedicine application, Telemedicine can be defined as the use of audio, video, and other telecommunications and electronic information processing technologies to provide health services or assist health care personnel at distant sites. However, telemedicine may not suit every person or situation. Protecting medical data in such applications like, Hackers and other criminals may be able to access a patient’s medical data, especially if the patient accesses telemedicine on a public network or via an unencrypted channel.

**Drawbacks:**

* Accessing telemedicine may delay treatment.
* Hackers may access patient’s medical data.
* An inability to examine patients.

**PROPOSED METHOD**

In this proposed method, we use the Integrated Healthcare Medical Emergency Model, which can provide stakeholders with related medical information. The registered users can logon to the system and they can search nearby medical centers which provide all hospital information with emergency units and the users/patients can simply send an sms to medical center and the medical center can give reply about the information.

**Advantages:**

* Provides all treatment and emergency wards for patients.
* Data will be in safe because the sms system here is a protected and it only operated by one agent/medical centers.
* Gives suggestions for good health

**Block Diagram :**

Patient

Medical center

Admin

**Web-Based Database and SMS to Facilitate Healthcare Medical Emergency**

Data Base

**MODULES** :

Admin login with valid credentials.

After Logging, the admin has to accept the new registered medical centers.

The Admin can view the medical center and Patient Details.

**Medical Center**

Medical Center can register by entering all the details. And login with valid credentials.

After Logging , Medical center can add about the information of all available emergency units .health care can View the profile, and add update and delete the features..

**Patient :** Initially Register, and login with valid credentials.

After Logging , the patient can view the profile . Patient can search for medical center and can send sms to them for emergency unit.

**Software & Hardware Requirements:**

# H/W System Configuration:-

# Processor - I3/Intel Processor

* RAM - 4GB (min)
* Hard Disk - 500GB

**S/W System Configuration:-**

* Operating System : Windows 7/8/10
* Application Server : Tomcat 7.0
* Front End : HTML, JSP
* Scripts : JavaScript.
* Server side Script : Java Server Pages.
* Database : My SQL 6.0
* Database Connectivity : JDBC

**LEARNING OUTCOMES:**

* What is meant by SMS
* What is emergency unit?
* What is medical care center?
* How medical centers have all the data about hospitals?
* Use of HTML and CSS on UI Designs.
* What is menat by SMS?
* Data Base Connections.
* Data Parsing Front-End to Back-End.
* Need of Eclipse-IDE to develop a web application.
* Working Procedure.
* Testing Techniques.
* Error Correction mechanisms.
* How to run and deploy the applications?
* Introduction to basic technologies used for.
* How project works.
* Input and Output modules.
* How test the project based on user inputs and observe the output?
* Project Development Skills:
  + Problem analyzing skills.
  + Problem solving skills.
  + Creativity and imaginary skills.
  + Programming skills.
  + Deployment.
  + Testing skills.
  + Debugging skills.
  + Project presentation skills.
  + These writing skills.