**Implementation and Validating Environmental and Health**

**Abstract:**

This Implementation and validating environmental and health is intended for the medical professionals like Doctors, optometrists etc who need to communicate frequently to take quick decisions. This web application allows any medical professional to register into our web site and creates a permanent account wherein he can manage his patient’s medical history and also avail many facilities provided for him in the site. This is very advantageous to them because they can better organize and analyze their patients and have access to medical centers even in other countries. This not only saves time and money but also do better for their patients diagnostics. Another main intention of this site is to bring all the doctors into one place for discussion. Irrespective of geographical boundaries. This is an internet web application with high-tech facilities and meets the stringent high quality are reliable Internet needs.

The Doctors can register. After registration the user can login to view a particular concept in which he wants to explore his thoughts and ideas. The user can view profile of doctors who had posted their ideas. He/ She can also share their own views. They can upload videos or pictures of surgeries.

The users can create groups and communities. Collection of groups is formed as community. Users can share their information within their groups and communities. Users can send mail to other users or to a group. The scope of this Doctors Forum project is to make efficient communication between doctors to share their views and ideas. This Project acts as a resource to share their views and ideas that arrives new in the field of medicine. The Doctors can register. After registration the user can login to view a particular concept in which he wants to explore his thoughts and ideas. The user can view profile of doctors who had posted their ideas. He/ She can also share their own views. Also in this project, medical representatives working in companies can avail appointments from doctors (users) by registering in this forum. Also they can upload their company’s products for the doctor’s view and other representatives view.

Healthcare is one of the most information-intensive industries and is evolving rapidly as new information supplants old information. Integrating mobile information systems into the practice of healthcare will add value by helping to decrease costs , increase

efficiency, and enhance patient satisfaction .

**MODULE DESCRIPTION:**

1. **Admin Module**
2. **Patient Module**
3. **User Module**
4. **General User Module**

**Admin:**

**U**ses handheld device to issue new prescriptions; retrieves prescriptions by customer’s name or prescription’s unique ID.

* Administrator does Doctor registration.

* Every Doctor will have their own unique Id and Password with which, they will login to this site.
* After they logged into this site. They will have their main form. From there by choosing the link, they can see their appointments. He/she can see their new appointments and they can also see the previous appointments.
* After attending the patient, the Doctor selects a particular patient Id for prescription. In the prescription form, the Doctor will enter the detail about the prescription and give to the particular patient like specifying Patient condition, Kind symptom and dosage about the medicine.
* For some patient, the Doctor may need to recommend some other Hospitals for future treatments for this, the Health Consulting System site provide other option for Doctors. Here, the Doctor will redirect to Hospital recommendation Form.
* In Hospital Recommendation Form, the Doctor searches for a Hospital, which will be suitable for a particular Patient who needs Hospitalization for future treatments.
* After choosing the Hospital, the Doctor will send the details about the Patient to the Person who is in charge of the Recommended Hospital through mail and the patient will also receive the mail about the Hospital preferred by the Doctor for his/her future treatments.

**Patient Module:**

**R**etrieves a customer’s prescription from a centralized database server through the Internet; fills or refills the customer’s prescriptions; updates the prescription’s status; adds a new refill history record into or produces a new one in the database server.

**M**aintains User database through the Internet.

In this system is required to provide communication service for handheld devices used by the physicians and the centralized database server needed to store all related information. In our wireless prescription system, a J2EE server is used to provide middleware support for the entire system.

* A Genuine person from the Administrator side will collect information about the Doctor like his/her Qualification, specialization, Address, etc for Registration. After filtering the invalid data, the Doctor Details will be uploaded in Health Consulting System site.
* Before uploading their details the Administrator will send mail to the Doctor’s E-mail ID about his/her Id and Password.
* The Administrator can also add new Hospital which is specified by the Doctors while recommending new Hospitals for patient for further or future treatments.
* The Administrator can view the Account information and can also view the suggestion (feedbacks) given by different users of this site.
* The Administrator is the one, who updates latest Health Tips provided in this site.

**USER MODULE:**

* Everyone needs to have Medical attention at any time. So we allow every user to register freely at any time.

* The user does registration by specifying their details like His/Her Name, Contact Number, Address, and Mail Id etc. After validation the user will receive a message regarding his/her membership.

* After registration the user can Login to this site with his/her Unique Id, which is provided by E-Knowledge in Health Care System and password.
* To get an appointment from a doctor we need the user to pay some minimum amount through credit card/account.
* The Doctor list is categorized by his/her specialization and Location like HEART, SKIN CARE, CHILD CARE etc. and T.NAGAR, VALASARAWAKKAM, KODAMBAKKAM respectively. So that the user can easily access the doctor for his/her treatment.
* The user can fix Appointment with a particular doctor by specifying the time, which is convenient for them. After this they will be shown a confirmation message about the timing they preferred.

* A patient visit the doctor at specified timing as per the appointment timing. E-Knowledge in Health Care System maintains the prescription given by the doctor for future use. Patient can view their prescription any time.

* Patients can cancel their appointments within a time limit. The time limit is about two hours from the time they had registered their appointments and their Money will be refunded.

**GENERAL USER MODULE:**

* General Users are those who have not registered in this site. They can view general information about the Doctors.
* They view the Health Tips.
* They can give their suggestion about this site.
* They can register themselves and become a member of Health Consulting System.

**Software Requirement:**

* **Operating System** : Windows 2000, windows XP
* **Programming Languages**: JSP
* **Script** : Java script
* **Data Base** : Mysql5.0

**Hardware Requirement:**

* **Processor Type** : Pentium -IV
* **RAM** : 512 MB RAM
* **Hard disk**  : 40GB HD