Smart Doctor: A Urgent Health Care System

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Abstract:- "SMART DOCTOR: A URGENT HEALTH CARE SYSTEM" is the use of medical based communication and information technology to provide clinical health care from a distance. It has been used to overcome distance barriers and to improve access to medical services that would often not be consistently available in distant rural communities. It is also used to save lives in critical care and emergency situations. Although there were distant precursors to medicine, it is essentially a product of medical based communication and information technologies. Bandwidth and cost are major determinants for the success of any medical based program. In this medical based system, be developed which works on low bandwidth and is less costly to provide consultation services in rural and remote areas of India. Expected outcome: A web-based consultation system which can work on low bandwidth mobile internet connection to provide online care for rural patients.

INTRODUCTION

Digital technologies are rising day by day as a result of the straightforward usage choices, potency of the applications. Life science and technology aren't any exception, however that they're nearly setting out to overlap upon one another and in sure things even combining with one another to assist the top user. This paper conferred here is that the one that may be terribly helpful and effective in serving to the users to seek out applicable doctors for the diseases/symptoms. The aim of this paper is to change the user or the patient to induce all the specified details like convenience, contact info concerning the doctors who are specialised within the problems given by the patient. This application permits user to induce instant oversight on their health problems through a wise health care application on-line. The appliance is feed with varied symptoms and also the diseases related to those systems. Patient will check their anamnesis Hence; this technique provides Quality Health Care to everybody and error free and communication to patients. Mobile technology is additionally use in hospital management by serving with search hospitals; improve health outcomes and medical theme potency measures. In additional sections of this paper we have a tendency to mentioned the present system, and a betterment of the present system considering the convenience of the doctors and patients (users).

LITERATURE SURVEY

[1] B. Klaassen, B.J.F. van Beijnum, H.J. Hermens "Usability in telemedicine systems" Pages 57-69.

The speedy development of sensors and communication technologies change the expansion of latest innovative services in care, like Telemedicine. A vital ingredient within the development of a telemedicine system and its final acceptance by finish users are usability studies. The principles of usability engineering, evaluations and telemedicine are well established, and it should contribute to the adoption and eventually preparation of such systems and services. Associate in Nursing in-depth

usability analysis, together with performance and angle measures, needs information concerning accessible usability techniques, and is looking on the number of resources. Therefore, it's price work however usability strategies are applied in developing telemedicine systems. Our hypothesis is: with increasing analysis and development of telemedicine systems, we have a tendency to expect that varied usability strategies are a lot of equally used for various end-user teams and applications.

[2] C.S. Pattichis; E.Kyriacou; S. Voskarides; M.S.Pattichis; R. Istepanian; C.N.Schizas" Wireless telemedicine systems: Associate in Nursing overview" IEEE Antennas and Propagation Magazine (Volume: forty four, Issue: 2, Apr 2002)

Rapid advances in info technology and telecommunications - and, a lot of specifically, wireless Associate in Nursing mobile communications - and their convergence ("telematics") are resulting in the emergence of a brand-new kind of info infrastructure that has the potential of supporting an array of advanced services for care. The target of this paper is to produce a photo of the applications of wireless telemedicine systems. A review of the spectrum of those applications and also the potential advantages of those efforts is conferred, followed by flourishing case studies in electronic patient record, emergency telemedicine, teleradiology, and residential observance. It's anticipated that the progress distributed in these efforts and also the potential advantages of rising mobile technologies can trigger the event of a lot of applications, therefore enabling the giving of an improved service to the national.

[3] A.P. Pentland; M. Petrazzouli; A. Gerega; A.P. Pentland; T. Starner" The digital doctor: Associate in Nursing experiment in wearable telemedicine" wearable Computers, 1997. Digest of Papers., 1st International conference on 06 August 2002

Consultation with varied specialists and review of medical literature are key parts in superior, trendy medical aid. As a result of this info are often pricy and inconvenient to access, physicians and patients should usually compromise ideal

care practices with sensible realities. A wearable pc with the power to transmit Associate in Nursing receive take a look at and image knowledge while not a right away association throughout an examination will take away the necessity for such compromise, probably permitting each higher care and lower value. During this paper we have a tendency to report on experiments conducted at the University of Rochester's robust Hospital during which a wearable pc is employed to make patient records and supply remote consultations throughout medicine examinations.

[4] Sebastian Merkel; Peter Enste "Barriers to the diffusion of telecare and telehealth within the EU - A literature review

" Technologies for Active and aided Living (techaal), IET International Conference on twenty-five Gregorian calendar months 2016.
The implementation and diffusion of telecare and telehealth product and services falls behind the expectations of policymakers and developers. Whereas many European and national programmes promote the analysis and development of innovative solutions, product and services haven't nevertheless scaled up. This paper tries to spot and reason existing barriers. We have a tendency to conducted a literature review between Gregorian calendar month and August 2014 covering multiple literature databases and search engines. The information was analysed qualitatively; analysis was radio-controlled by a categorization theme. We have a tendency to categorised 5 domains touching the adoption, implementation and diffusion of telehealth and telecare: technology, acceptance, financial, structure and also the outer context, every covering multiple barriers.

EXISTING SYSTEM:

In the present existing system, consulting any doctor is very tiresome task for the patient. There are many cases where the patient is unable to find out the required doctor for his disease, this become even worse if there is an emergency case especially when the patient is in an unknown area. This situation might harm the patient in the meantime. Even knowing the proper address, contact details of the doctor for required disease has become a very tough task. Also, sometimes doctor's schedule may get change during such cases patient's appointment might be cancelled. This might not be known by the patient due to lack of communication between the patients and the doctor. A doctor can have many patients in a day which becomes even more difficult for the doctor to intimate his schedule for each and every patient. Because of this time of patient get wasted and in the case of emergency it may cause harm to the patient.

DRAWBACKS IN EXISTING SYSTEM:

➢ Takes More Time to load web page in the poor network.

➢ Not user friendly and high bandwidth.

It is a manual system.

PROPOSED SYSTEM:

In this system the patients or the user has to register into the application. After registration patient will be given a unique ID and password. Patient can use this ID and password for logging into app to get the required information. Patient can search the doctors based on the categories listed in the application i.e. Orthopaedic, General Physician etc., Patient has to select a particular doctor as per requirements from that list, Patient (user) can see doctor's profile. From that patient can search the specific doctor from any hospital. Also the patient can view doctor's schedule, contact details like address and phone number to look for an appointment according to his convenience.

1.4.1 ADVANTAGES IN PROPOSED SYSTEM:
Time Consuming Reduced.

It is user friendly with low bandwidth.

Communication between user and doctor through online only.

WORKING
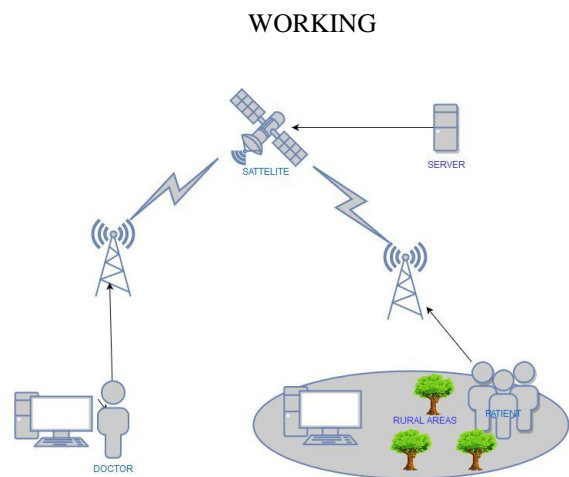
EXECUTION STEP USER REGISTRATION

In this module each user has got to register their own details. All the small print is going to be hold on into the information. Information is employed to feature, edit, delete, store and retrieve knowledge from the information. User name, password, signal, location details hold on within the information.

AUTHENTICATION

In this module each registered user will login to user account. Each user features a distinctive id and positive identification. If the user name and positive identification is correct you'll login to your account otherwise you cannot

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enter into your account. All the user name and positive identification are hold on within the information.

DISEASES & CONDITIONS

In humans, diseases are usually used a lot of broadly speaking to talk over with any condition that causes pain, dysfunction, distress, social issues, or death to the person afflicted, or similar issues for those in-tuned with the person. To seek out relevant and reliable medical info concerning diseases & condition. To seek out our medical topic by mistreatment the excellent A-Z list, click on the browse diseases & condition shows the listing of health and medical conditions.

DISEASES A medication or medicine is a drug taken to cure or ameliorate Associate in Nursing symptoms of an unhealthiness or medical condition. In these modules list out the medication for specific diseases.

FIRST AID

First Aid is that the help given to a person suffering a sudden illness or injury, with care provided to preserve life, stop the condition from worsening, or to push recovery. To seek out relevant and reliable medical info concerning care. Click on the browse care shows the listing of care info for no matter things.

FIND DOCTOR

In these module shows the closest hospitals to our location. It's accustomed simply notice the hospitals for the patients to point out in google map.

CONCLUSION

The "Smart Doctor: A Urgent Health Care System" is useful for patient to look the hospital supported specialist. This application is modifying the task of patient and doctor. This application facilitates the interaction between patient and doctor. It helps to optimize the work of patient and doctor. During this web site is kind of easy and a lot of helpful to patients have traditional plan of automatic data processing system. Smart Doctor: A Urgent Health Care System web site is an easy, economical and authoritative net application for the society.

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