Healthcare Guidance

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**Abstract:**

Health Care Guidance system is an organized computerized system designed and programmed to deal with day-to-day operations and management of the hospital activities. The program can look after inpatients, outpatients, records, database treatments, status illness, billings in the pharmacy and labs. It also maintains hospital information such as ward id, doctors in charge and department administering. The major problem for the patient nowadays to get report after consultation, many hospital managing reports in their system but it's not available to the patient when he / she is outside. In this project we are going to provide the extra facility to store the report in the database and make available from anywhere in the world.

**Introduction:**

1.1 Purpose

The purpose of this Software Requirements Specifications (SRS) is to fully document the

specifications and requirements for the Hospital Management System (HMS).

The purpose of this HMS software is to develop a Web-application to optimize and digitalize all

sort of operations from patient registration to appointment scheduling, document management,

consultation management, prescription generation, staff management etc.

1.2 Document Conventions

The document is prepared using Microsoft Word and has used the font type 'Times New Roman'.

Major headings are in bold 18pt font size, and concurrent headings in bold 14 pt font size. Sections

are in 12pt font size.

1.3 Intended Audience and Reading Suggestions

This document is intended for clients, developers, project managers, marketing staff, users, testers,

and documentation writers. It is suggested to read the sections sequentially.

1.4 Product Scope

This software is mainly for Small to Medium scale Hospitals with OPD facility. The scope of this

software is to create a digital system to handle hospital processes. Currently, SARU hospital is

using a manual system to handle the hospital process. The process includes keeping records of

patient’s appointment to consult a doctor, patient’s previous visits and prescription details,

diagnosed symptoms, prescribed medicines as well as details of currently working employees in the

hospital. The software allows patients to access their prescriptions, all doctors contact details for

emergency situations and remind next follow up date.

**Related study:**

Hospital Information systems are in high demand to handle increasing population needs and also aids the practicing doctors and hospital service and support staff with timely service and precision. There are varied metrics available to assess the performance of services like hospital industry, and the successful implementation and usage of Hospital information system forms a crucial role. Hospital information systems are available in the soft ware market which in most cases needs to be customized and in some cases HIS needs to be developed as a customized software based on specific hospital requirements (user requirements). The paper looks at assessing and identifying the key components4 . “Advanced Hospital Management System” includes Registration of patients, storing their details into the system and also computerized billing in the pharmacy, and labs. Our software has the facility to give a unique id for every patient and stores the details of every patient and the staff automatically. It includes a search facility to know the current Status of each room. User can search availability of a doctor and the details of a patient using the id5 . The Advanced Hospital Management System can be entered Using a username and password. It is accessible either by an administrator or Receptionist. Only they can add data into the database. The data can be retrieved easily. The interface is very user-friendly. The data are well protected for personal use and makes the data processing very fast6 . Existing system refers to the system that is being followed till now. Presently all the hospital functionalities are done manually. That is if a Patient want to consult a doctor he can visit their till his chance called. This is make the person very difficult. Outpatients and Inpatient tickets are Distributed directly. The main disadvantage is time consuming 7 . Limitations of existing system: Lack of security of data. Time consuming. Consumes large volume of paper work. Manual work. No direct role for the higher officials.

**Proposed System (Solution):**

The proposed software product is the Hospital Management system (HMS). The system will be used in any hospital (only in OPD case), clinic etc.Hospitals (small to medium

scale) can used it to to get the information from the patients and then storing that data for

future usages. The intention of the system is to reduce over-time pay and increase the number

of patients that can be treated accurately. Requirement statements in these documents are

both functional and non-functional.

**Limitation (Future Work):**

The access limitations provided through the login facility will enhance the security of the system. The system will facilitate concurrent access and convenience to the patients, doctors and receptions.

**References:**

[1]. Olusanya Olamide.O,Elegbede Adedayo. W And Gunseye Abiodun. A, Design And Mplementation Of Hospital Management System Using Java[Internet].April 2015[Cited 2015 March 02];32-36.Available From: Http://Iosrjournals.Org/IosrJmca/Papers/Vol2-Issue1/F0213236.Pdf [2]. Dr. M. H. B. Ariyaratne, A Private Hospital Management System .[Internet].September 2010;33-37.Availabale From: Http://Webcache.Googleusercontent.Com/Search?Q=Cache:Sagwbvzxifwj:Sljbmi.Sljol.Info/Article/10.4038/Sljbmi.V1i0.3551/Gal ley/2987/Download/+&Cd=1&Hl=En&Ct=Clnk&Gl=In&Client=Firefox-B.