

ONLINE APPOINTMENT BOOKING FOR PATIENT

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ABSTRACT

Appointment booking System is an organized computerized system designed and programmed to deal with day-to-day operations and management of 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 is to get the report after consultation, many hospitals managing reports in their system but it's not available to the patient when he/she is outside. In this project, I am going to provide the extra facility to store the report in the database and make it available from anywhere in the world.

Keywords: Appointment, Web application, User Management, Backend, Reports.

OVERVIEW OF THE PROJECT

This online system assists patients to view all the details of the hospital and the treatment details for particular Ailment. The patient needs not to go in person to the hospital and he can view in the website provided in the internet. In this system all the details about issues assigned are stored in database, so doctor can retrieve any information at any time new technologies have improved the ability of electronically storing, transferring and sharing medical data also changed. At the same time, they also create serious questions about who has access to this information and how they are protected. The aim of HMS is to store the detailed information about the Patient like treatment details, date of joining and allocated doctor. The major modules in this system are allocating the bed, allocating the doctor to the patient. Loan procedures are streamlined, requiring less manual labour and increasing operational effectiveness.

Features:

- Knowing the patient details and patient status
- To know the type of treatment he/ she undergoing.
- To know the consulted doctor details, his / her visiting hours.
- To know the information about the doctors included and deleted.
- It allows adding / editing patient registration.

- To know the list of doctors available

SYSTEM REQUIREMENTS

INTRODUCTION

This Hospital Patient Info Management System is a self-contained system that manages activities of the hospital. Due to improperly managed details medical center faces quite a lot of difficulties in accessing past data as well as managing present data. The fully functional automated hospital management system which will be developed through this project will eliminate the disadvantages caused by the manual system by improving the reliability, efficiency and performance. The usage of a database to store patient, employee, stock details etc. will accommodate easy access, retrieval, and search and manipulation of data. The access limitations provided through access privilege levels will enhance the security of the system. The system will facilitate concurrent access and convenient management of activities of the medical center. software developers, system administrators, and IT specialists to determine the specific system requirements tailored to the hospital's needs, budget, and infrastructure capabilities. Additionally, ongoing maintenance, support, and periodic upgrades are necessary to ensure the HMS remains functional, secure, and up-to-date with evolving healthcare standards and technology advancements.

SOFTWARE REQUIREMENTS

The software requirements for a Hospital Management System (HMS) encompass the applications, platforms, and tools needed to develop, deploy, and operate the system efficiently. Here's an overview of the key software requirements for an HMS:

Operating System	: Windows 7 Ultimate
Front End	: HTML, CSS, BOOTSTRAP
Backend	: SQL
Language	: PHP

HARDWARE REQUIREMENTS

Hardware requirements for a Hospital Management System (HMS) vary depending on factors such as the scale of the hospital, the number of users, the complexity of the software, and the anticipated workload. Here's a general outline of hardware requirements:

Processor	: Intel Dual Core
RAM Capacity	: 2 GB
Hard Disk	: 10 GB
Mouse	: Logical Optical Mouse
Keyboard	: 104 Keys
Monitor	: 16 inches

SYSTEM DESIGN

EXISTING SYSTEM

Existing system is a generally manual that is directly communicate with hospital, Doctors and getting all reports from direct hospital. All the details such as register of patients, staffs and doctors are registered manually. They desired to have their entire operations and reporting functions to be computerized with total integration between all the modules. The existing system has been carried manually. It is a tedious and time-consuming process. At each level of processing data are updated in computer manually. The data are not retrieved easily. There is no facility for viewing the patient details and reports in outside. There is no online counselling facility due to patients are very difficult to get appointment from the hospital.

DISADVANTAGES

The disadvantages of existing system are listed as follows:

- Manual processing is more.
- Incorrect updation of information.
- Time consuming.
- Record maintenance.
- Human errors.
- Low security.
- It is less user-friendly
- It is unable to generate different kinds of report.
- It does not have the mail and file upload feature.

3.2 PROPOSED SYSTEM

The proposed system will be fully integrated with the hospital requirement and enhances the capabilities of the current system, since the proposed system is a graphical user interface-oriented application. The proposed system allows security features by providing various right and privileges in according the data. All this aspects will enable the business to function as an independent system. It also provides the latest technology embedded in the system, which will yield the desired result. This system addresses the need for improvement by computerizing the activities. This project explains about its patient's medical record details and its treatment details and this project helps to enquiry with doctors recording the condition of the ill. This website shows the details of the medical record graphically. The project been developed for the patient purpose and to enhance this application through internet. All the operations are carried through net. At present all the operations are done through online process. The software should provide all the data required such as available Cancelling about diseases, treatment details and doctor details etc. This will enable the patient to monitor or check the health information from anywhere in the world through internet. Online medical record for patient is fully integrated software; it is depend by any hospital.

ENHANCEMENTS

The following is a list of the suggested system's benefits:

- It offers a clear picture patients profiles,
- It reduces the possibility of data breaches,
- It permits real-time patient account monitoring,
- Preserving the privacy of the data,
- Facilitating access to view doctors profile,
- Centralized data collection for easier management and access,
- It does away with data fragmentation.

ADVANTAGES

- ❖ Menu driven
- ❖ User friendly
- ❖ Timely information
- ❖ Data base is normalized
- ❖ Updating and modification can be done easily
- ❖ Full extend query is used for searching and retrieving

CONCLUSION

This “**ONLINE HEALTH CARE SYSTEM**” Encapsulated with all the features that greatly enhance the performance of the system. Data can be easily stored and retrieved to all forms of the database. It can be seen that deploying IT can help the medical profession in improving its quality of service and thus automatically increasing the preparedness and defensiveness. It is of vital importance that the software must have the right type of modularity and openness so that it is manageable, maintainable, and upgradeable. The hardware should be reliable, available and have the necessary performance capacity.

Data entry and validation are automated to efficient manner. All the conclusions are performed by the system and the resources are displayed in the appropriate portions of the screens to aid the user and can store to the database if necessary. Technological progress makes it possible for Hospital Management System to provide total, cost-effective access to more complete, accurate patient care data and to offer improved performance and enhanced functions that can be used to meet those information management challenges. Hospital Management System can play an important role in improving the quality of patient care and strengthening the scientific basis of clinical practice.