**MINI PROJECT – 1**

**(2018-19)**

**Hospital Management System Portal**

**SYNOPSIS**



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**ABOUT THE PROJECT**

This project aims to introduce a Patient Scheduling Online Service for health care institutions that would ease off the appointment-scheduling journey for users and pave the path of a better doctor-patient experience. The proposed system advances with online facilities that eliminate the chaos of traditional appointment services. This system offers online appointment booking, to view doctors list, to cancel and update appointments with an administrative portal to manage all the sections. It provides advanced functionality to streamline the process thus easy access to personal hospital services that help organizations to stay connected with their customers, clients and most importantly patients and can result in significant time and monetary savings In to order to develop a successfully running online Patient Scheduling, the system is required to interact with system database, scheduling module and the administrative module for example, to achieve the best implementation, the scheduling system would be able to interact with several medical health care staff such as physicians, nurses admin staff and patients.

**MOTIVATION**

Motivated by the rising popularity of electronic appointment booking system, this project aims to develop an appointment-scheduling model that takes into account the patient preferences regarding when they would like to be seen. Currently, it is rational to establish the fact that, very few hospitals provide online scheduling doctor-patient session. In fact, majority of the medical centers in Kuala Lumpur provide traditional patient scheduling routines. In traditional appointment scheduling process, patients are scheduled for a future appointment time and the number of patient granted an appointment has an upper limit each time period. The appointment lead-time could be very long for example, several weeks or a month in advance, which could result in a high number of no-show. According to a case study by the Commonwealth Fund Commission on a High Performance Health System­, six attributes were identified for an ideal health care delivery system. The report determined and examined the problems engendered by fragmentation in the health care system and offered policies to stimulate greater organization for high performance.

**FUNCTIONALITY OF THE PROPOSED SYSTEM**

The intelligent Online Patient Scheduling System aids simple and easy appointment reservation online as long as the specific device is connected to the internet. This service will minimize patient waiting time as well as the chaos of managing tons of appointments everyday by hospital management. Once a patient has booked the schedule, he or she would also be allowed to make changes, even can cancel their appointment according to their convenience. The website should view list of doctors with their respective specializations where users are able to select their certain physicians. The system also consists of an administrative panel where the system admin is able to monitor the number of patient attended by the doctors daily, weekly and monthly. The core functions of the system are listed below:

* Allows end-users to register, login and logout from the system.
* Allows users to view doctors list according to department as well as doctors’ specifications.
* Allows users to book, update and cancel their appointments.
* Allows the doctors to view the number of patients to be attended for the day.
* Allows respective management staff to be updated about the day’s activities.
* Allow patients to review and rate their experience with the respective doctors.
* Once an appointment is booked, the system notifies the users by email **one day** prior to the appointment.
* Patient will be able to make Online Payment for their appointment.

**TARGET USER**

Basically, we have targeted 2 types users:

* General Users who are seeking online service to avoid the chaos of traditional appointment booking system.
* Physicians working with large scale medical organization s who attend a large number of patient every day.

**TECHNOLOGY USED**

1. **Hardware Requirement**

* **Personal Computer** with internet connection
* I3 Processor based Computer or Higher
* **Memory:** 2GB RAM (Minimum)
* **Hard Drive:** 30GB (Minimum)

1. **Software Requirement**

* Windows 7 or Higher
* Google ChromeVersion40.0.2214 or Higher
* Any Web Editor like **Sublime Text** or **Bracket**
* SQL Server 2008 or Above

1. **Front-hand Tools**

* Html
* CSS
* Javascript

1. **Back-hand Tools**

* PHP
* Mysql

**FUTURE SCOPE**

When on **Online Patient Scheduling** System is replaced with the traditional appointment reservation service, patients are the prime benefits holders. Hospitals and medical centers would definitely have a better appointment management process as well as sophisticated control over doctors’ schedule and employee productivity. The advantages will be time saving for both patients and doctors and much convenient for the administrative staffs to manage all the appointments and paper work. Online appointment scheduling would reduce the workload of the administrative staff and provide much better customer satisfaction.

**REFERENCE**

* <https://www.w3schools.com/>

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