



Hassle Free Doctor Consultation

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Abstract: The purpose of the hassle-free doctor Consultation system is to automate the prevailing Manual system by the help of computerized equipment's and full-fledged computer software, full-filling their requirements, so their variable data/information space are often stored for extended period with easy accessing and manipulation of the identical. Thus, it'll help organization in better utilization of resources. The organization can maintain computerized records without wrong entries. which implies that one needn't be distracted by information that's not relevant, while being able to reach the info. The aim is to mechanized the existing handiwork system by the help of computerized equipment's and full-fledged computer software, fulfilling their needs, so that their valuable data/information are stored for a extended period with easy accessing and manipulation of the identical. Basically, the project describes the thanks to manage permanently performance and better services for the clients. This Project is also a mix of various medical services for the people of all generation and people belonging any nation or urban area. It consists of all the information about the doctors around the location of the user.

1. INTRODUCTION

The main objective is to develop an internet application named "Hassle Free Doctor Consultation" that covers all the aspects of creating appointment of doctors. It enables healthcare providers to boost operational effectiveness, reduce costs, reduce medical errors, reduce time, consumption and enhance delivery of quality of care. this method help reduce the issues occur when using the manual system and helps patients to skip endless queues. The important thing is it'll become easier for the knowledge record and retrieval. This application will also store all the details of patient, patients' profile, prescriptions etc. this method enables doctors and clinic assistant to manage patient records and appointments. User can enter their details; update their profile and that they can select doctors to form appointments. Other than that, the system is easily operated and it can help the clinic to manage their appointments. The system helps to avoid making duplicacy, Users can view available doctors and their timings and might make appointments consistent with it. Users also get an choice to cancel their appointments. Users can view their upcoming appointments and past appointments are deleted automatically. The system also allows doctors to log in. Doctors can edit their profile and look at their upcoming appointments, patients etc. they will even send prescriptions to their patients by selecting their patients from the dropdown list. The system also has an administrator section, where only one person can manage the full system. Administrator can add/remove patients, doctors and departments and hunt for appointments.

The system features a awfully intuitive and responsive design that matches devices of all screen size (Smartphones, PCs, Tablets, and Notebooks etc.). the appliance automatically adapts its layout to match user's screen size.

Basically, it manages all the data about Doctor, Doctor Fees, Doctor Schedule, and Doctor. The project is completely built at organizational end and thus only the controller is certificated for the access.

The purpose of the project is to make an program to scale back the manual work for managing the Doctor, Appointment, Doctor Fees Patient. It tracks all the small print about the Patient, Booking, and Doctor Schedule.

2. PROBLEM

Presently people are making appointments manually. this is often a time-consuming process; patient must physically head to the clinic so as to create appointment. Some clinics provide the chance to form appointments by placing a telephony. But during this case, people are often left unattended. So, this may help by overcoming with this problem.



3. METHODOLOGY

Recommended system will overcome the disadvantage of this old system. Existing system is manual and available appointment applications don't seem to be user friendly. Proposed system is computerized and user friendly. The proposed system has many advantages. this may directly affect the folk. Another important characteristic within the 'Hassle Free Doctor Consultation' is user's module.

It restricts access across different user groups. the aim behind implementing this module is that features are often reserved for users and no effort management. The Authentication is employed in the various conditions.

4. MERITS OF PROPOSED SYSTEMS

The use of proposed system will avoid the issues of the prevailing system and that we also get a replacement system for managing information under the Clinic Appointment System. The proposed system offers:

- Manual work which is time consuming may be reduced
- Controller or Admin can add/remove doctors, patient & departments.
- Easy to store data within the database.
- Increase processing speed.
- An easily access environment for users.
- Doctors can view/cancel appointments.
- Doctors can send prescription.
- Automatic removal of past appointments.
- Responsive layout that matches all devices.
- Improved security.

5. SCOPE OF THE PROJECT

It may help collecting perfect management in details. in an exceedingly very short time, the gathering are obvious, simple and sensible. it'll help an individual to understand the management of passed year perfectly and vividly. It also helps in complete all works, relative to Doctor booking System. it'll be also reduced the value of collecting the management collection procedure will last smoothly.

Our project aims at Business process automation, i.e., we've got tried to computerize various processes of Doctor Appointment System.

- To utilize resources in an efficient manner by increasing their productivity through automation.
- The system generates forms of information that may be used for various purposes.
- It satisfies the user requirement.
- Be easy to know by the user and operator.
- Simple enough for users and operators to know.
- Have an honest computer program.
- Be expandable.
- This application is simpler for data management, the info are going to be safer and can also be accessed more easily than other systems.
- Enhanced productivity and efficiency.
- An integrated approach to quality Management

6. LITERATURE REVIEW

[1]. Patients' adoption of the e- appointment scheduling service: A case study in primary healthcare (Written by: Zhang X, Yu P, Yan J)

Introduction: The aim of this study is to analyze patient's initial acceptance and ongoing use of a straightforward but typical variety of consumer e-health service an e appointment scheduling (EAS) system so as to spot facilitators and barriers for patients' adoption of e- health services in primary healthcare. In-depth, semi-structured interviews were



conducted to collect patient's background information, their awareness of the system, their feedbacks on the characteristics of the system, and their reasons to be used or not use the system. a complete of 125 patients aged between 17 and 74 were interviewed.

Conclusion: Results show that only 11% of the interviewees used the web appointment service. This case study suggests that the aptitude and access to the web appointment service for majority of the patient remains hindered by lack of access to the web, lack of awareness of the new system, low computer education, lack of knowledge with Internet-based health service, and incompetent of the new service with patients' habits of appointment making. Health service providers have to consider the overall public's acceptance for online health services before Implementing more complicated consumer e-health services.

[2]. Appointment scheduling in health care: challenges and opportunities. (Written by: Gupta D, Denton B)
Introduction: Appointment scheduling systems are utilized by primary and specialty care clinics to manage access to service providers, additionally as by hospitals to schedule elective surgeries. Many factors affect the performance of appointment systems including arrival and repair time variability, patient and provider preferences, available information technology and therefore the experience level of the scheduling staff. additionally, a critical bottleneck lies in the application of Industrial Engineering And Operations Research (IE/OR) techniques.

Conclusion: during this paper, it summarized key issues in designing and managing patient appointment systems for health services. This was intended to clarify the extent of complexity encountered within the health care environment. In this, they provided a taxonomy of complicating factors, which made it easier to summarize the contributions of previous research during this area. They exposed open research areas and opportunities for future add this paper.

[3]. Going online: the role of web-based initiatives in health information technology. (Written by: Clingan SA).
Introduction: As Internet usage grows, so does the need for online accessibility to healthcare services. additionally to patient convenience, Web-based services improve efficiency, further patient-provider communication, increase patient participation in healthcare decision making, and enhance patient safety. over just an electronic medical history, samples of Web-based initiatives range from e-prescriptions, e-scheduling, and an e-mail-type Web-based messaging system to a web healthcare portal.

Conclusion: because the technology increases the role of web-based things comes into existence and plays an important role by saving the price, effort and time. It also improves the efficiency of the medical services.

7. CONCLUSION

Making clinic appointments shouldn't be hard, but often thanks to the manual way of constructing appointments, patients find it's hard to create appointments with their desired doctor. Often patients must wait in long queues and yet sometimes they won't be ready to book their appointments. "Hassle Free Doctor Consultation" system is an e say solution for such patients. They don't should wait in endless queues or ask someone to try to to them a favor, because this Appointment system has everything, they have to create a briefing with their desired doctor. This Appointment System comes with a clean and responsive interface, in order that user can make appointments from every device, all they have is an online connection.

From the hospital/clinic point of view, they often fail to satisfy the requirements of their patients/customers. Sometimes, a staff might have to require a leave and it should cause the full appointment procedure to travel down. With the new Doctor Appointment Booking System, all they have to does deploy the appliance to their web server and that they are done. Once the administrator has added all the doctors list, patient can book their appointments by visiting the system.

No Need of a 3rd person to process the request.

This Appointment Booking System also provides doctors an account to interact with their patients. Now doctors can easily send prescriptions online, or see their patient details before or perhaps better, they will cancel/ put the appointment to the pending list. Patient on the opposite side, don't must worry about losing his/her prescription since it's stored within the hospital's servers.

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