WWW.IJRPR.COM

International Journal of Research Publication and Reviews

Journal homepage: www.ijrpr.com ISSN 2582-7421

Effective Doctor- Patient Portal: Doctor Around Us

SHREYA PATIDAR, SOURABHSACHDEV, SWAPNIL KAUSHAL

Acropolis Institute of Technology and research
shreyapatidar02@gmail.com

ABSTRACT: -

"Efficient Doctor-Patient Portal:Doctor Around Us" is the title of this project. This project will solve the challenges that a common guy faces when searching for a reputable doctor in a foreign city. We give all services on a single platform in our project. We offer a variety of search options so that users may find what they're looking for. If a person knows the doctor's name, he can use the platform to look for the doctor's name and contact them directly. If a person knows the doctor's name, he can look for it immediately by typing it in. A person can also look for an illness. Patients can also schedule appointments online rather than waiting in line. A donation option has also been enabled, allowing users to donate blood and anyone needy can request as well.

Key-Words: -Dynamic Method Binding,Methods based on graph

Introduction

Huge hospitals have a large number of employees and doctors. Effective time management and task scheduling becomes a difficult undertaking. A person who is ill with any condition must now go to the hospital to schedule an appointment. While waiting for an appointment, all patients must stand in line. If a doctor cancels an appointment due to an emergency, the patient is ignorant of the cancellation until he or she arrives at the hospital. Patients are also required to bring their medicines with them whenever they visit the doctor. Doctors do not store patient records on hand, and patients must carry the file with them, which can be avoided if data is uploaded online and it will be beneficial for both doctors and patients. Along side it will also eliminate use of papers.Doctors are unable to schedule appointments since they are unclear of who will visit him on any given day. Doctors do not have access to the patient's personal information or medical history until they examine the medical report. Patients are sometimes unable to schedule appointments at their ease. Patients do not have the option to reschedule their appointments in the event of an emergency. If the patient needs an organ, he or she will not have a list of all prospective organ donors.

Problem Formulation

We have taken this project because of the following reasons:

- There is no platform that allows patients to book their appointment online and because of this patients need to stand in queues at time of booking, this is a very common scenario when availing a government service.
- If a patient needs blood or an organ , they do not have a list of organ donors available.
- Doctors prescription is usually given on pen-paper which many times are misplaced or sometimes patients forget to bring them on next visit. So uploading records online will eliminate these problems.

Literature Review

The Live Portal is based on the following methods: -

A. Methods Based on Graphs—

In this approach, anomalous patterns in the data that suggest spammer behaviour are recognised by integrating multiple, diverse details into a single graphical depiction.

B. Dynamic Method Binding-A server-side dynamic web page is one whose development is managed by an application server that runs server-side scripts. In server-side scripting, settings govern how each new web page is assembled, and behaviours are determined by executing graph-based anomaly detection algorithms for graphical representation. Because this method is untrustworthy, it is difficult to discover erroneous opinions, even with the addition of extra client-side processing.

C. Currently, hospitals and private clinics manage and maintain vital information using a manual approach. The existing method necessitates a myriad of paper forms, with data vaults dispersed across the hospital administrative infrastructure.
D. Information (on forms) is frequently inadequate or does not adhere to management standards. Forms are frequently lost in transit between departments, necessitating a thorough auditing process to guarantee that no critical information is lost.

Methodology

In this proposed system, a single web application is designed that will overcome various issues listed above.It will allow users to register themselves on the platform and book appointment with their respective doctors. Patients can even choose doctor according to their needs. Doctors have the facility to manage their time slots and see the list of patients who are going to visit them. The platform also provides interaction between patients and doctors through a chat option. All the prescription provided by the doctor is available online, the donation service of the application allows user to donate blood for the needful by registering themselves and also presents a list of donors available.
The system consist of three login interfaces:
1.Super Admin
2.Patients
3.Doctor
Super admin registers doctors on the platform . It is only after the registration by super admin , doctors are able to create their profile on the application . Super admin also provides the list of hospital and the doctors available in the hospital. Doctor can register and login themselves and can manage their patients. A new Patient first need to register and then login. Upon login patient can choose hospital and doctor based of the requirement. After a particular doctor is selected , patients can check the available time slot and book the appointment.
For organ donation or request , a user first need to register themselves and after registration they can either request or donate. When users request for blood they can see donors available and the quantity of each type of blood present.It is the responsibility of super admin to check whether the request can be approved or not.

Result Discussion

The results of project :

- To help patients find doctor and book appointment online.
- Interaction between doctors and patient through a chat feature,
- Users can request for blood and see all possible donors available .
- A single platform that helps patients with their multiple needs.

Conclusion

he major goal of this project is to create an Efficient Doctor-Patient Portal System that allows patients to view doctors, book appointments, and track their medical progress. The doctors will be able to see their appointments, as well as their patients' profiles and medical histories. This system includes an add-on that allows users to register for organ donation and search for organs. We were successful in including all of the above needs. A patient is able to successfully register with the system. After registering, he can check in at any time of day and look for doctors in different cities based on their speciality. A patient can schedule an appointment with the doctor based on his or her availability. One can also view their medical records.A patient can register and deregister for organ donation with ease. He can also search for organs, where he will find the number of registered organs. This function will assist many persons in need of organs.

Acknowledgment

The delight and joy that accompany the successful completion of any project would not be possible without the assistance of the people who made it possible, whose consistent guidance and support capped our efforts with success. I'd want to offer my heartfelt gratitude to our guide, Prof. Narendra Pal Singh Rathore. I'd want to take this opportunity to thank Prof. Anurag Punde for his ongoing encouragement and assistance. Finally, we would like to thank our institution for providing us with this opportunity to learn beyond our curriculum.

References

- ***www.w3schools.com***
- Netbean TECHNOLOGY FOR AN EFFICIENT BUSINESS APPLICATION EXTENSION B.Vasavi, Y.V.Sreevani Associate Professor, Department of Computer Science and Engineering Hyderabad Institute of Technology and Management [HITAM],

Authors

Name- Sourabh Sachdev
Qualification – 4th Year B-Tech.
College-Acropolis Institute of Technology and Research

Name- Swapnil Kaushal
Qualification – 4th Year B-Tech.
College-Acropolis Institute of Technology and Research

Name- Shreya Patidar
Qualification – 4th Year B-Tech.
College-Acropolis Institute of Technology and Research