PATIENT PORTAL SYSTEM

Pranesh.R Sowmiya. R Vinoth.R

Poongothai.K - *Assistant Professor,*

Department of Computer Science and Engineering,
KGiSL Institute of Technology, Coimbatore, India

ABSTRACT

A patient portal is a secure online website that gives patients convenient, 24-hour access to personal health information from anywhere and any time.User can login the portal and they can appoint doctor on their convenient date, view doctor's instruction, give feedback, user can also donate and check for the blood, user can also chat with doctor,each time a user visits a doctor his/her medical entry is stored in the database. Doctors can view patients on a particular date, give feedback and prescription, chat with patients,and changepasswords. Pharmacy staff can view the prescription of the patient given by the doctor and upload the bill amount to the patient using this portal. They can also change passwords. Employee can add and view blood donor details and also add patient details who is in need of blood. They can also view the patient on a particular day of blood test.Admin can add new doctor, employee, pharmacy staff to this portal system, and view feedback.

1. INTRODUCTION

A web portal may be a specially designed web site that brings info from numerous sources, along in a very uniform means. Same as patient vascular system, contains all completely different info regarding them.Portals are accessed via an online browser and specific computer address, however content is login protected and user-specific.Web portals are the websites which will be classified in terms of practicality, style and content.Web portals are used for a selected organization .As we tend to all recognize that net portals are the web site, that ought to be created as dynamic one. as a result of a static web site contains solely mounted content. Every page is coded in markup language and displays identical info to each traveler.Example for static is - Email.In a dynamic web site may be a website that displays completely different content every time it's viewed. Example for Dynamic is - Patient vascular system. an online portal may be accustomed enhance the collaboration of knowledge and improve the means staff, customers and suppliers move together with your business.A portal might use a pursuit engine's application programming interface (API) to allow users to go looking computer network content as critical extranet content by limiting that domains could also be searched. excluding this common computer program feature, net portals might supply alternative services like e-mail, news, stock quotes, info from databases and even amusement content. Portals offer some way for enterprises and organizations to produce an even "look and feel" with access management and procedures for multiple applications and databases, that otherwise would be completely different net entities at numerous URLs. a website is accessed anyplace and anytime. Additionally the web site is run by any server like xampp, wamp. Additionally it works on multiple platforms like windows, linux, mac, solaris. functioning on {a we tend tobsite|an internet site|a web site} are completely different for every of the platforms and therefore the language we use. a web site that runs employing a wamp server simply works on windows.

2. PROBLEM STATEMENT

In the existing system, the patient must maintain their records manually and it's tough to keep up the record. conjointly they have to go to the doctors for booking and mistakes could also be done whereas booking. thus maintaining a record and booking appointments may be a downside. conjointly patients ought to explore for a bank for blood convenience. Existing system desires hands to record all the small print of all the patients and maintain the prescription papers and work appointments confusions.

3. PROPOSED WORK

The planned system ought to overcome all the disadvantages of the prevailing system. The prevailing system isn't functioning well because of manual methods. so the planned system ought to minimize

the manual efforts. Time consumption for arrangement is going to be minimum. It saves manual effort and time and provides remote info storage and retrieval. The most aim of this project is to develop a vascular system mistreatment net development languages that ought to be useful to analyse the records and appoint doctors and maintain records. For any patient connected data , we've got to travel to the hospital or decide the hospital to urge data. It takes a great deal of your time and energy and folks operating in hospitals are terribly busy to attend our queries. On the other hand we have a tendency to don't get complete data from the admin of the hospital. It'll be a lot more appropriate if we are able to directly get our data on-line or directly see our data and find the response with no time. To beat the matter we have a tendency to plan a patient vascular system wherever patients, doctor, employee, pharmacy, admin were bought into one platform.

This system helps the admin in addingnew

doctors, pharmacy workers, and staff to the current vascular system. This helps doctors in viewing the patient the World Health Organization appointed him/her on a specific date, and additionally in giving instruction and prescription to the patient the World Health Organization appointed him/her. It additionally helps worker ih adding new blood donors to the current vascular system. This helps pharmacy workers in viewing doctor's prescriptions given to the patient so no mistakes are going to be done whereas giving medication to the patient. And additionally the bill quantity is uploaded within the patient account. associate degree analysis and analysis of a planned project to work out if it's technically possible, is possible at intervals the calculable price, and can be profitable. practicable ness studies are nearly always conducted wherever giant sums are at stake. Operational practicableness depends on human resources obtainable for the project and involves protrusions whether or not the system is going to be used if it's developed and enforced. Economic analysis may even be said as cost/benefit analysis. It's the foremost ofttimes used methodology for evaluating the effectiveness of a brand new system of the patient vascular system. This patient vascular system is developed by mistreatment PHP which has a cooperative platform for viewing details, booking appointments and canceling appointments and additionally used for blood donation. PHP is a cooperative finish to finish platform created by developers for the tip users. This PHP includes the languages like HTML, CSS, JavaScript. info property is finished mistreatment PHP. On a patient read it is a riskier job to travel to any or all testing labs and pharmacies. Patients ought to wait in line in pharmacy and testing labs. On the administrator facet it's troublesome to manage the hospital system. HTML is employed to form websites. PHP could be a server scripting language, and a strong tool for creating dynamic and interactive websites. PHP could be a widely-used, free, and economical different to competitors like Microsoft's ASP.

3.1 ADMINISTRATOR MODULE:

- In this module, directors have to be compelled to login by victimising their distinctive username and watchword. directors square measure the sole licensed person to access the admin module for security functions. therefore different users aren't getting rights to access this module.
- When the creation of this administrator module, he/she will add new doctors, new pharmacy employees, and new staff.
- Directors conjointly|also can|can even|may also|may} read the feedback of patients and also doctor's during this vascularsystem.

3.2 DOCTOR'S MODULE:

In this module, doctors have to be compelled to login by victimizing their distinctive username and countersign. Doctors are the sole approved person to access doctors modules for security functions. therefore different users do not get rights to access this module. During this module doctors will see the patients by appointments on the actual date. Doctors will send directions to patients and conjointly prescribe to them and conjointly doctors will send the patient to testing labs for required tests like blood tests & etc. Doctors check the patient and send the prescription to the pharmacy with patient name & id. Doctors at the sole approved person to access a doctor's module for security functions. During this module doctors will chat with patients. they'll conjointly amendment their login countersign. Doctors can even add the feedback.

3.3 EMPLOYEE MODULE :

The employees square measure nothing however hospital workers like

nurses, ward boys, receptionists etc. Here staff have to be compelled to login by mistreatment their distinctive user and countersign. staff square measures the sole approved person to access this module for security functions. therefore different users do not get rights to access this module. staff will modification their countersign once required. conjointly staff add the blood stock in order that it may be used once they would like it. Patients can even check for the blood convenience. staff conjointly add the workplace and take a look at the report of the patients.

3.4 PHARMACY MODULE

Pharmacy staff have to login by using their username and password. In this module pharmacy staff view the doctor's prescription. And pack the medicine and send the bills to patients. Pharmacy staff are the only authorized people to access this module for security purposes.

3.5 PATIENT MODULE

In this module patients view the doctor's instructions such as medicine details, food details, check up details, appointment details and etc.. Patients are the only authorized person to access this module. They can also view patient instruction. Patients view the pharmacy bills and get the medicine details. Patients can get the medicine after receiving the bill.
Patients can add their feedback about hospitals,doctors and etc.

4. CONCLUSIONS

We have proposed a Patient Portal System. This allows the user to perform some basic operations. Our implementation could help for communication, speed and accurate process between hospital and patients. Using this portal, patients can view all their information up to date.
Patients can also view the availability of doctors in particular hospitals, their treatment history, their prescription, and also with the chat process. Also one can donate blood using this portal. So the human efforts will be reduced in this project.

This The advantages of Patient Portal System are:

- It is supported by all browsers.
- Saves time and transportation cost.
- Here this portal maintains everything and stores the details in the database.
- Patients need not bring the record each time when they visit a doctor .
- This portal also helps doctors in visiting patients and maintaining their time.
- This portal helps users in donating and taking blood from this portal.

5.REFERENCES

- Google
- Wikipedia
- Registration form- https://w3schools.com/ PHP tutorial-
- https://javatpoint.com/ Database connectivity- http://localhost/phpmyadmin/
- System-http://nevonprojects.com/efficient-d octor-patient
- IEEE papers- https://researchgate.net/publication
- https://femmedarchives.blob.core.windows.net.
- https://nevonprojects.com/efficient-doctor-p atient-portal/
- https://1000projects.org/online-doctor-appoi ntment-system-java-project.html
- https://www.academia.edu/26066176/Desig n_and_Development_of_Online_Doctor_Ap pointment_System https://www.freeprojectz.com/project-report/ 2363
- https://www.healthit.gov/faq/what-patient-portal
- https://mindster.in/doctor-appointment-app- development
- https://codecanyon.net/item/doctor-appoint ment-booking-app-for-android/23065548
- https://1000projects.org/online-doctor-appoi ntment-system-java-project.html
- https://www.softwareadvice.com/resources/ patient-portals-top-benefits-features/