Patient Portal

Online Patient Portal system provides online access to various services of the hospital. Patient can view the availability of doctors in various departments. The main aim of this system is to book appointments for doctors online. The user can also cancel the booking and can change the time slot if needed. Patient can view past history of the visit made and the current medications. It also notifies about the next consultation details. This system also provides an online payment option which will be flexible to the user.

Mini Project

The users of the system are

- Admin
- Patient
- Doctor

One is Admin side, second is doctor side and third is patient side. Under this Online Portal Admin can manage whole system data like doctor data, patient data, doctor schedule data and appointment data. At the Doctor side, doctor can schedule their available time details under this system, Doctor can view appointment data. And at patient side, they can view doctor availability data and based on that data they can book appointment under this system.

1. Appointment Booking

    User can book appointment for available doctors.
2. Medicine module

    Doctor add the medicines prescribed for the patient and the patient can view on the portal.
3. View reports

    User can view the previous reports anytime.
4. Test module

    User can view the test reports.
5. Payment module

    User can online payments after booking the appointment.

Main Project

The functionalities of the existing system are limited and it needs to be extended. A diabetics prediction module helps to predict whether the person has diabetics or not. A suggestion facility is added for diet, medicines and symptoms based on the technology of recommendation system. A chat bot is integrated in the project for answering user queries.

1. Doctor Prescription
   - Scanning Prescription using OpenCV
   - Converting into digital form.

2. Diabetics Prediction Module
   - Predicting diabetics based on various factors.
   - Integrating Machine Learning using python

3. Mobile Application
   - Booking the appointment
   - Making Payment

4. Recommendation System
   - Suggesting diet.
   - Suggesting medicine.
   - Suggesting symptoms.

5. Chat Bot
   - Answering patient queries.
   - Based on AI

Technologies Used
- Frontend : HTML, CSS, Javascript, Bootstrap
- Backend : PHP
- Database : MySql
- Server : WAMP