ABSTRACT

Topic: Eye Care Management System

Project Nature: Mini Project Extension

Completion Level: Completion 50% of Mini Project

This system can be used by Eye doctors or Optometrists to manage their practise. Out of all the specialities in medical science this is one of the most frequently visited due to the requirement of repeated check – ups. This system can be used to save patient records, schedule appointments and place orders for custom eye equipment.

Each patient registered at the hospital will be assigned a unique file which will consist of data from all their visits to the hospital. The doctor who conducts the assessment will save all eye power related information and prescriptions on the system. This will make the whole process transparent for the user, as they will be able to view the history of their eye problems in one location.

This system can be accessed by an optician of the user's choice and they will be able to book new eye glasses or contact lens at any time using the latest prescription. The user can also schedule appointments with their optometrist using this system and will receive information about confirmed bookings.

Existing System

The existing system is fragmented because the whole process of getting prescriptions and booking eye glasses is completed by different vendors. It is important for the user to visit each place and provide the files required. This wastes the customer's time and also increases the chances of error for these different vendors. They will have to check whether they have the correct file on multiple occasions.

Proposed System

The proposed system aims to make the process easier by making it easy for users to share files. This file will be the original uploaded by the optometrist and will be routinely updated. The patient just needs to ensure that the optician has access to the files. Eye equipment such as sunglasses, spectacles and contact lens can be ordered remotely .

The System consists of three types of users. Admin,Doctors and Patients

Module Description

Admin

Admin has the following functionalities:

- Add Doctors
- Manages Patients
- Manage Appiontments
- Manages Attendance
- Manages Salaries

Doctors

Doctors has the following functionalities:

- Manage Appointments
- Add Availability
- Manage patients
- Give prescriptions and can suggest spectacles.
- Give Attendance

Patients

Patients has the following functionalities:

- Registration
- View availability , time schedule of the clinic
- Book Appointments based on availability of doctor
- View/edit patients details
- View prescriptions
- Order the Spectacles if suggested.
- Give Feedback and Ratings

Spectacles

This module has the following functionalities:

- Provides the suggested spectacles
- Payments
- Order new Spectacles
- Stock Report