



WEB APPLICATION FOR PHOTO STACKING OF EYE IMAGES FROM GONIOSCOPY LENS



ABSTRACT

The proposed Gonioscopy Web Application provides doctors to easily viewing the eye images capture using gonioscopy android applications. The eye images of patients will be stored in the centralized database. Doctor will view the particular patient eye image based on the patient ID. The eye images will be photo stacked and defished before it is displayed to the doctor. The patient ID is created during the registration of the patient in the gonioscopy android application by the technician. The Web Application also provides option to download the gonioscopy android application. The doctor is provided with an option to register the technician details in this Web Application. This technician details helps for technician to login for the gonioscopy android application for patient registration

EXISTING SYSTEM



In existing system doctors are seeing the gonioscopy lens eye image of a human through a gonioscopy eye monitoring system. The doctor will see the patient eyes through a gonioscopy eye monitor system. In existing system the images are captured in Gonioscopy device and the eye images is not stored in the centralised database. Doctor's views eyes images only in particular eye monitoring system with Gonioscopy device. In existing system the image is directly view by the doctor through a Gonioscopy eye monitoring system.

PROPOSED SYSTEM



- In proposed system, the eye image will be captured through a gonioscopy android application in burst mode with different focal length and the particular eye image will be saved in centralised database. The doctor will see the particular eye image through a web application,
- in which the fish eye images stored in the centralised database will be converted to a defishing and converted into focus stacking and display to doctor

REQUIREMENTS SPECIFICATION

- CPU: Intel Pentium CPU 3530@2.16GHz
- RAM: Minimum 4GB
- Operating System – Windows 7.or above
- Front end design – HTML5, CSS.Jade
- Database – MongoDB.
- Server – Amazon Web Service(EC2).
- Browser - Google Chrome 58.0.3029.110, Mozilla Firefox43.0.1.

MODULES

- Registration
- Patient Details
- Photo stacking
- Defishing

CONCLUSION

- The overall project provides doctors to view the patient's eye images which are stored in the cloud. The can view the respective patient eye images anywhere by login into the web application through his login credentials. The eye image stored in the database captured from the gonioscopy android application

FUTURE ENHANCEMENTS

- The future enhancement of the application include the generating the reports for patient in web applications.
- Mobile notifications for technician once the doctor will register the technician details.

Internal Guide

Mr. Girish k
Associate Professor,
Department of C.A.

Prepared By

Seetharama Aithal
[1BM14MCA39]

