

Patient Information System for Eye Care Centre

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Abstract

Optometry is a health care profession concerned with the health of the eyes and related structures, as well as vision, visual systems, and vision information processing in humans. Optometrists (also known as ophthalmic optician) are trained to prescribe and fit lenses to improve vision, and to diagnose and treat various eye diseases. Optometrists are licensed to diagnose and treat diseases of the eye through topical diagnostic and therapeutic drugs. They are also able to perform certain types of laser surgery in some states. Patients are referred to other healthcare professionals, such as ophthalmologists, neurologists and general medical practitioners for further treatment or investigation. The purpose of this project is to develop a computerized system that helps Optometrist to manage and monitor eye examination profile. The eye examination record procedures become easier by using this system where the Optometrist just key in the examination data into the system. This system, Patient Information System for Eye Care System will be used by main target user which is Optometrist to manage the patient's details of lenses and frames or contact lens systematically. All the details of fitting and prescription are securely saved in the database to avoid loss of data. This system also helps Optometrist to generate printed and graphical eye examination report. The report generated can help saves Optometrist's time from preparing the report manually.

Keywords: Patient Information System for Eye Care Centre (PISEC),
optometrist, eye examination, preliminary test, posterior segment