

Patient's Record Management System for the National Eye Hospital in Sri Lanka

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“This dissertation is submitted in partial fulfilment of the
requirement of the degree of the MSc in Information Technology
of
the University of Moratuwa”

Declaration

I certify that this dissertation does not incorporate, without acknowledgement, any material previously submitted for a Masters, Degree or Diploma in any University and to the best of my knowledge and belief, it does not contain any material previously published or written by another person except where due reference is made in the text. I also hereby give consent for my dissertation, if accepted to be made available for photocopying and interlibrary loans and for the title and summary to be made available to outside organizations.

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Abstract

Eyes can be treated as one of the most important parts of the human body. People are very much bothered when they encounter eye related health problems. National eye hospital is the prime national body which comes to one's mind when it comes to an issue related to eyes in Sri Lanka. But, it is apparent that stakeholders of National eye hospital are not well benefited by existing manual management practices of the hospital which are unproductive. The existing manual system in hospital is not patient supportive since it leads to unnecessary time wasting of patients. Administrative staff of the hospital often suffers from with data related issues such as loss of data and data redundancy of clinical patients. Doctors find it difficult to obtain most critical and updated medical information of patients on timely manner. All those concerns have resulted in making an additional workload on people.

The prime objective of this research project is to overcome above issues by developing a web based Patient's Record Management System which adds values to stakeholders of the hospital. This system has been developed on a web based platform using PHP and MySQL and Adobe Dreamweaver CS6 has been used in designing the system.

The system can facilitate administrative staff of the hospital with updated patient data managing and processing methods which are very safe, convenient and time saving. Furthermore, patient details can be seared faster. The system helps doctors become more productive as the system allows doctors to access all the necessary and updated information refer to patients.

The project has been centered on design and implementing of this state-of-the-art trilingual web based Patient's Record Management System, which provides an integrated holistic view of patient data among doctors, nurses and other authorized personnel.

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List of Acronyms

PRMS	– Patient’s Record Management System
VistA	– Veterans Health Information Systems and Technology Architecture
HER	– Electronic Health Record
VA	– Veterans Affairs
VHA	– Veterans Health Administration
CPRS	– Computerized Patient Record System
GUI	– Graphical User Interface
PACS	– Picture Archiving and Communication System
MUMPS	– Massachusetts General Hospital Utility Multi-Programming System
PHP	– PHP Hypertext Pre-processor
WWW	– World Wide Web
CSS	– Cascading Style Sheets
OOP Object	– Oriented Programming
GPL license	– General Public License



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