An analytical study of open source library software and develop a library system.

W.P.G. L. Perera.

129161H

Faculty of Information Technology,
University of Moratuwa

May, 2018

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Dissertation submitted to the Faculty of Information Technology, University of Moratuwa, Sri Lanka for the partial fulfillment of the requirements of the Master of Science in Information Technology.

May, 2018

Declaration

We declare that this thesis is our own work and has not been submitted in any form for any other degree or diploma at any university or other institution of tertiary education. Information derived from the published or unpublished work of others has been acknowledged in the text and a list of references is given.

Name of Student : W.P.G.L. Perera.

Signature of Student :_____

Date :

Supervised by

Name of Supervisor : Mr. Saminda Premarathne.

Signature of Supervisor :_____

Date :

Dedication

“To my loving Father, Mother, Husband Sanjaya & loving Sasath Putha, without them, this wouldn’t have been completed”

Acknowledgements

Foremost, I would like to express my sincere gratitude to my Supervisor Mr.Saminda Premarathne for the continuous support of my studies and research, for his patience, motivation, enthusiasm, and immense knowledge. His guidance helped me in all the time of research and writing of this thesis.

Besides my advisor, I would like to thank the Dean of the IT Faculty & the rest of my lectures & Mr.B.H.Sudantha for their encouragement, insightful comments, and hard questions.

I thank my fellows and friends in University Moratuwa: Sanjeewa malli, Kapila aiya for their help in a numerous way. I thank my dearest friend Abhi for her unlimited help and always been with me in my leisure and most hard times.

Last but not the least; I would like to thank my family: my parents, brothers, sisters for supporting me spiritually throughout my life and my husband for all the things done for me without any conditions.

Abstract

Many people like to use library with enough reading materials. Fulfilling all the user requirements is a difficult work and it may not be successful. If the library can manage their existing resources in proper way, that will be a better answer for the user problems. There are many library management software tools and if the library can use that kind of management system user can find metadata information with free accessing. Accessing to the information is not easy thing. Libraries are working as a welfare organization and they can provide proper access to information. User can get access from anywhere. When the computer invented and telecommunication technologies started all the sectors has begun to change. Geographical limitations and other barriers removed out and people started to going in a new way. Like all the other sectors library sector also started to working with computer and telecommunication technologies. That was the time information age started and all the people stand for the rights to information. In-library and information sector all the services are planning with the ICT and users also expecting easy access and portable reading with new telecommunication devices. As non-profitable organizations libraries have to select proper services for the user education and the society. So, they have to consider freely available resources and they have to provide smooth and effective services to the user. But if they know the free service providers, they can use those things & can provide user satisfied library service. There is much commercial & free open source software in library field. If librarian can choose better one, they can arrange their service in a user-friendly way. Users also may like to use that type of systems because present users are very much familiar with technological learning environment than paper-based reading. So, I decide to conduct this project to identify the suitable open source library software & develop new module for the selected system. Studying the all software system we can identify the best fit for our requirement. Otherwise, if we select software without doing a proper feasibility study, after it may not match with our requirements & new services. After acquiring a one system, it is very difficult to migrate into a new system. We need to select correct one first & then we can implement system with customized features.

Abbreviations.

GDLS -Greenstone Digital library software.

ILMS- Integrated library management system.

PMB - PhpMyBibli

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