

ACKNOWLEDGEMENTS

Firstly, the author would like to express her gratitude to Dr. Myint Thein, Rector of Yangon Technological University, for giving the permission to submit the thesis for the Master's Degree at Yangon Technological University.

The author would like to express her thanks to the Chairman of the Board of Examiners, Dr. Nyein Nyein Oo, Professor and Head of the Department of Computer Engineering and Information Technology of Yangon Technological University, for giving the permission to carry out this thesis and also for her help and suggestions for this thesis.

Moreover, the author would like to express her sincere and deep gratitude to her supervisor, Dr. Su Su Maung, Associate Professor of the Department of Computer Engineering and Information Technology of Yangon Technological University, for her encouragement, helpful guidance, kind advice and motivation.

The author also wishes to extend her special thanks to the member of the Board of Examiners, Dr. Khine Thin Zar, Professor of the Department of Computer Engineering and Information Technology of Yangon Technological University, for her helpful guidance, suggestions, encouragement and supports for this thesis.

The author also wishes to extend her special thanks to the member of the Board of Examiners, Daw Myat Thida Tun, Associate Professor of the Department of Computer Engineering and Information Technology of Yangon Technological University, for her helpful guidance, suggestions, encouragement and supports for this thesis.

And then, the author also wishes to acknowledge especially thanks to her external examiner, Dr. Nang Aye Aye Htwe, Professor of the Department of Computer Engineering and Information Technology of Mandalay Technological University, for her guidance, editing, valuable advice, ideas, and knowledge and all essential suggestions that are vitally important for this thesis.

The author wishes to give her special thanks to her beloved parents for their support and encouragement to attain her destination without any trouble.