ACKNOWLEDGEMENT

To crown all, I glorify the Almighty God for the presence of blessings, grace, wisdom, knowledge, guidance and courage during this dissertation work and entire life.

Success of an individual is only possible when he or she is being supported by others. Carrying out the sheer volume and depth of this research was no easy task without help of so many people. There are several hearts and hands behind this work to bring it to this shape for which I express my heartfelt gratitude who have stood me, and helped me to put all my efforts to successfully to complete my study.

Excellent teacher is a matrix of builder, moulder, artist, leader and harvester. I intimately adorn the privilege to take this opportunity to express my sense of gratitude to my research guide, Dr.A.Pethalakshmi, Associate Professor and Head, Department of Computer science, M.V.M. Government Arts College for Women, Dindigul, Tamil Nadu, who directed insight into the present topic and guided me at every stage which enabled me to reach the goal and holds the unshakable place in my heart. Without her, the study would have not mould in this shape. Also it gives me great pleasure to thank her for constant source of inspiration, guidance, personal interest, unfailing encouragement, valuable suggestions, everlasting patience, constructive comments and timely help which enabled me to do this study with a sense of great satisfaction. She has always allowed me complete freedom to define and explore my own directions in research. I would like to acknowledge the tireless and prompt help of my supervisor.

I deem it a pleasant duty to place my sincere thanks and heartfelt gratitude to my co-guide, Dr.S.P.Victor, Associate Professor and Head, Computer Science Research Centre, Department of Computer science, St. Xavier’s College, Palayamkottai (Autonomous), Tamil
Nadu, who is the source of inspiration and encouragement and also for his unstinted guidance, timely help and suggestions that he provided for me throughout the thesis work.

I am extremely grateful to Dr.K.Thangavel, Professor and Head, Department of Computer science, Periyar University, Salem for his most precious suggestions and timely help.

Special thanks to the faculty members in the Computer Science Department of M.V.M. Government Arts College for Women, Dindigul, Tamil Nadu, and Vinayaka Missions Annapoorana College of Nursing for assisting me in all possible ways.

I cannot end without thanking my family, on whose constant encouragement, support and love, which I have relied throughout my time at the academy. My special appreciation goes to my parents, Mr. A. Alphonse and Mrs. J. Alphonsal, for their unconditional support, love, and encouragement to pursue my interests. They are the primary source of my energy. I am very much indebted to my beloved sister, A.Antony Aswini for her love, affection, and care.

My heartfelt thanks to my beloved better half, Mr.S. Arul Dhas, who bore me, raised me, supported me, helped me, loved me, shared my sleepless nights and restless weekends and graciously put up many relentless days with me and gave me the strength and endurance and for providing a loving environment for me during this study period.

I would also like to thank my uncles and aunts, A.Seeralan, S.Rajam, A.Benadict, J.Josephine, A. Belsi Selvan and J. Sabi and my cousins, B.Antony Beswin, B.Alfa Benit Sherly, S.Edith Nivetha, S.Santhosh and S.Edith Swetha for their love and help.

Special thanks must also go to my father -in- law, Mr.S.Soosai, mother - in - law, Mrs.M.Patrose, brothers- in -law, co-brothers, sisters-in-law, and co-sisters and my nephews and nieces for helping me and for all emotional support, camaraderie, entertainment and caring they provided.
My sincere thanks to Dr. K.M. Sumathi, Assistant Professor, Department of English, M.V.M. Government Arts college for Women, Dindigul, Tamil Nadu, to precise English in this study and my profound sense of gratitude and thanks to Mr. A. Kaja Mohideen for his constant support and concern for the completion of this study and the librarians for allowing me a free hand into many racks of the library. I am fortunate to receive co-operation and help from librarians of IIT Madras for giving permission.

I would like to acknowledge the many people who have taught me in higher secondary school, undergraduate and post graduate who also made me to come up to this level and also I thank my friends and well wishers for their the appreciation, encouragement and valuable suggestions to complete this study.

Also, my warm appreciation to all those have also helped me directly and indirectly to complete the research work and to all whom I could not mention in this acknowledgement, I am sincerely thankful for the support you have rendered by action, words and prayers.

(A.ANUSHYA)