ACKNOWLEDGEMENT

The author is thankful to the Almighty GOD who secured, protected and blessed her abundantly and for the successful completion of this thesis.

The author is highly obliged to the respected Director, Dr. G. Ganesan Ph.D., Research and Development Centre, Bharathiar University, Coimbatore for giving excellent opportunity to do Ph.D programme in Bharathiar University.

The author would like to thank the guide Dr. G. RADHAMANI, Professor and Director, Department of Computer Science, Dr. G. R. Damodaran College of Science, Coimbatore for the valuable time she has spared for me during this work by her proficient advice and utmost involvement in every aspect of this thesis which inspired me to complete this research work successfully.

The author express her heartfelt thanks are due to staff and friends, Department of Computer Science, Dr. G. R. Damodaran College of Science for their timely help during her research work.

The author would like to thank her husband Mr. K. Thangavel, her sons Midun, Harrin, her Uncle N. Subramanian, her aunty S. Selvi and her Grandparents for their patience and cooperation who have managed themselves during the tenure of her research work. She would like to place her profound thanks to her Parents who gave her life due to which she is here and acknowledge you all.

A. GANDHIMATHI