ACKNOWLEDGEMENT

I wish to express my deep sense of gratitude and indebtedness to my supervising teacher Dr. M. Ramachandra Kaimal, Head, Department of Computer Science, University of Kerala, Trivandrum, for his inspiring guidance, advice and constant encouragement throughout the process of this work.

I am grateful to the Faculty and Staff of Department of Computer Science, University of Kerala for their whole-hearted co-operation and advice.

I express my sincere gratitude to Mr. T. R. Gopalakrishnan Nair, Scientist, V.S.S.C, Trivandrum for his valuable suggestions during this work.

I wish to thank the Science, Technology and Environment Department, Kerala for their financial assistance for carrying out this work.

Let me recall the help rendered by my colleagues Ms. Mary George and Mr. R. Sreekumar.

I pay my affectionate tributes to my dear ones, whose blessings, encouragement and moral support gave me courage for undertaking this endeavour.

Above all, I am heartily grateful to the Almighty for all His mercy and love showered on me.

Elizabeth Sherly