ACKNOWLEDGMENTS

For the opportunity to pursue this dissertation, I owe thanks to many people. As my principle guide Prof. R.K. Subramanian has provided good advice, encouragement and freedom to explore in the directions that seemed to me most important. I am highly indebted to him.

I owe extreme thanks to the Chairman, members of MTES, Principal and other staff members of Malnad College of Engineering, Hassan, for having facilitated me to take up this work.

Finally, a very special thanks

To Mr. H.C. Nagaraj, Law Officer, Karnataka Consumer's Cooperative Federation, Bangalore, who was always there to give needed advice;

To my parents, Sri V. Muthanna and Smt Gowramma for their love and support;

To the director and other staff members of the School of Computer Science and Engineering, Anna University, for having provided a conducive environment to carry out this work;

To H.M. Kalpana, who went beyond the call of wifely duty to encourage me during the difficult times that was essential for motivation throughout.

M.G. Venkateshmurthy