ACKNOWLEDGEMENTS

I express my deep feelings of gratitude to my guide respected Professor Dr. L.S.S.Reddy, who generated in me a willpower to undertake this work, and took me under his highly experienced wings to guide, inspire and encourage to complete this work. It is only because of his constant encouragement, able guidance and deep knowledge of the subject, this thesis could see the light of this day.

I am thankful to Dr. I. Ramesh Babu, Professor & Head, Computer Science and Engineering, and Chairman, PG Board of Studies in Computer Science and Engineering of Acharya Nagarjuna University for his cooperation and help.

I am grateful to Professor Dr. K. Thirupathi Rao, P. Saikiram, B. Thirumala Rao for their encouragement and support.

I am happy in expressing my heartfelt gratitude to Er. Lakireddy Bali Reddy, Chairman of LBRCE, and Prof. K.Viyanna Rao, Vice Chancellor of ANU for providing facilities to conduct my research work.

I express my deep sense of love to my parents Sri. V. Ratna Reddy and Smt. Nagavardhani, my wife Sneha Latha, and all my family members whose support is immeasurable in successful completion of my work.

I express my thanks to all my friends, well wishers and all the researchers whose valuable inputs have helped me in carrying out this work.

V. Krishna Reddy
Research Scholar
Department of Computer Science & Engineering
Acharya Nagarjuna University