ACKNOWLEDGEMENTS

I express my deep feelings of gratitude to my research supervisor respected Prof. L.S.S.Reddy, Vice-Chancellor, K L University, who generated in me the 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 express my profound gratitude to Er. Sri K Satya Narayana, President, KL University for his constant encouragement and support without which it wouldn’t have been possible to complete this thesis.

I express my sincere thanks to the entire faculty of the Department of Computer Science and Engineering, Acharya Nagarjuna University – namely, to Prof.I. Ramesh Babu, Prof. Satya Prasad, Prof. K. Gangadhara Rao, for their cooperation and support.

I express my thanks to editors and reviewers of our papers published for their constructive suggestions.

My thanks are due to all the faculty and staff of the department of Electronics and Computer Engineering of KL University for their constant support and co-operation. I wish
to express my thanks to Prof. P. V. V. Kishore, Dr. H. Khan Dr. M. Suman, Dr. K. S. Rama Krishna, Dr. B. Raghu Kumar, Dr. K. Tirupathi Rao, Dr. A. S. C. S. Sastry and all my friends for their help and support.

I acknowledge the benevolence of my wife Mrs. Pavani Uma Sirisha, for bearing with me for all the inconvenience I have caused during the years of strenuous work and the encouragement I got form her in completing this thesis. I sincerely acknowledge and appreciate the patience of my Children baby Indira Rajeswari Ananya, Master Sai Vibhav Bharadhwaj, for putting up with my pre-occupation and prolonged absence from them. My father Sri. Ranga Rao, and mother Smt. Kanakavalli are the source of inspiration and I thank them from the bottom of my heart for their patience, support and encouragement all these years.

Above all I thank God Almighty who blessed me with His gracious hands and given good health and golden opportunity to fulfill my dream.

(N. Venkatram)
Research Scholar
Department of Computer Science & Engineering
Acharya Nagarjuna University