ACKNOWLEDGEMENT

It gives me great pleasure to express my thanks to almighty God who has been merciful to enable me to complete the present thesis entitled: "OPERATIONS RESEARCH FOR MULTI-OBJECTIVE DECISION ANALYSIS" which is being supplied for the award of the degree of Doctor of Philosophy in Mathematics (Operations Research) in the faculty of Science of Ch. Charan Singh University (formerly Meerut University), Meerut. It embodied the results of investigations carried out by me since 2003 under the joint supervision of Prof. (Dr.) SD Sharma (Internal Supervisor), Head, Department of Mathematics, Meerut College, Meerut, U.P., India and Prof. (Dr.) G Ravindra Babu (External Supervisor), Head, Department of Science and Humanities, Mahaveer Institute of Science and Technology, Hyderabad, (A.P.), India.

I am also highly thankful to all the family members of my Internal and External supervisors, who provided their moral support and encouragement during my research work.

Thanks are also due to Shri Y V Krishna, Secretary to Vice Chancellor, CCS University, Meerut.

I am also thankful to all faculty members of Department of Mathematics, Meerut College, Meerut, for their help and suggestions for the preparation of this thesis. I am also thankful to Department of Business Administration, University of Hyderabad, Librarians of IIT Delhi, IIT Roorkee and University of Delhi etc.

I feel privileged to express my gratitude to highly respected Shri J.Bhaskara Rao (Chairman), Shri J.V. Krishna Rao (Secretary); Shri Ch. Krishna Rao (Director), shri. R. Kondala Rao, Shri. Ashok Reddy, Shri. Pusti, JB Educational Society, Hyderabad, Dr VV Rao (Principal), Dr.J.J. Kulkarni (HOD, Sciences & Humanities), Shri H.K.Dasari, J.B.Inst. Of Engg & Technology, Hyderabad, whose constant encouragement and help enabled me to complete the present work.
Many Individuals like Mr. Gurunadh Babu, Mrs. Bapi Raju, Shri K.Vamsi Krishna, Shri G. Madhu, Mr. V.Krishna, Shri George Mathew, Mr. Asish, Mr. G.V. Pavan Kumar, Mr Ganesh Reddy, Shri Yellaiah, Mr. A. Ramesh Babu, Shri Divakar, Shri Chandra sekhar, Mr. Murali mohan, Shri AVSS Prasad, Shri Rajender Prasad, Shri. B. V. Rao, Mr. Sridhar, Mr. Srikanth, Shri Rangachari. and so many contributed to my work and to make the thesis possible. The short space is never enough to express properly my acknowledgements to all of them. Even then, I would like to express my gratitude to such few individuals.

I find unable to express my heart-felt veneration for my beloved Sisters and Brother-in-laws, their children and all my friends, particularly Mr. Y. Srinivas, Mr. M.V. Ramana, Mr. Uma, Mr. Anand, Mr. Murthy, Mr. Mahesh, Mr. Raju and my village-mates, for their support, encouragement, inspirations and blessings, otherwise this work would have never been possible.

My wife would be happiest to see this work completed as she has been the source of encouragement and her patiently support at each and every step was always given.

I felt unable to express my heart-felt veneration for my beloved Grand mother, Brother, Attamma and their family for their support, encouragement to complete this work.

Last but not the least, I wish to thank my colleagues and relatives particularly my father-in-law and their family, my uncles Shri M. Maheswara Rao, Shri M. Jaya Sampath, Shri B. Prasada rao, Shri. Joshna Trinadh and many more for their best wishes, co-operation and help whenever sought for.

I personally feel that some errors might have crept in during the course of this gigantic task for which I may be pardoned. As an old saying states that: “To Err is Human, To Forgive is Divine”.

BALA BHASKARA RAO V
Research Scholar
Department of Mathematics,
Meerut College, Meerut.

Place: Meerut
Date: 10.06.07