ACKNOWLEDGEMENT

I thank Prof. D. R. V. PRASADA RAO, Professor, Department of Mathematics, Sri Krishnadevaraya University, Anantapur for his valuable guidance and helpful suggestions throughout the preparation of this thesis.

K. V. [Signature]

[K. VENKATESU]
ACKNOWLEDGEMENTS

I express my sincere gratitude to Prof. D.V. KRISHNA, Professor, Department of Mathematics, S.K. University, Anantapur who created confidence in me and gave constant encouragement and valuable suggestions which have greatly helped me in the preparation of this thesis.

I am thankful to Prof. K.L.N. RAO, Professor and Head, and other staff members of Department of Mathematics, S.K. University, Anantapur for their encouragement during the course of the work.

I am thankful to the authorities of SRI KRISHNADEVARAYA UNIVERSITY, ANANTAPUR for providing me necessary facilities to carry out research work.

I take this opportunity to thank Sri. M.S. RAMAIH the Founder Chairman and Sri. M.R. JAYARAM, Chairman of the GOKULA EDUCATION FOUNDATION, BANGALORE-54 for their encouragement during the course of theis work.

I am thankful to Prof. B. KRISHNAPP, Principal,
Prof. J. K. S. Murthy, Head and Staff of the Department of Mathematics, M. S. Ramaiah Institute of Technology, Bangalore University, for their constant encouragement during the course of this work.

I express my sincere gratitude to Dr. T. V. Suresh Kumar, Dr. A. Sree Ramachandra Murthy, Dr. G. A. Ramachandra, Mr. M. Ravindra, Mr. Y. Purushotham Reddy, Mr. Mahaboob Basha, S. H. C. V. S. Bhatta, Mr. G. A. Varaprasad and Mr. V. Govinda Reddy of S. K. University, Anantapur for their valuable help during the preparation of the thesis.

I am thankful to Dr. P. Mohammed Akthar, Lecturer, Department of Statistics, S. K. University, Anantapur for his help in the computational work.

I am thankful to Mr. V. Venkoba Rao for helping me in the typing of the thesis.

I am thankful to my parents, brothers and sisters...
and MOTHER-IN-LAW for their constant encouragement during the course of the work.

This acknowledgement would not be complete without my recognition of the invaluable co-operation of MY WIFE and my DAUGHTERS VANI, HARI PRIYA, PREETHI.

[K. VENKATESU]