ACKNOWLEDGMENTS

It gives me great pleasure than recalling with a sense of high gratitude for all that infinching support, encouragement and guidance given by my Research Supervisor Prof. Y. KRISHNA REDDY, M.Sc., M.Phil., Ph.D., Department of Statistics, Sri Krishnadevaraya University, Anantapur – 515 003, India, for incessant supervision, illuminating guidance and enormous encouragement throughout the period of this work. I feel I will be never able to crystallize the gratitude I owe to him to mere words. It is a great privilege to be a research student under his able, expert and conscientious guidance.

I also express my sincere thanks to Prof. K. L. A. P. SARMA, Dr.P.Md.AKTHAR Ph.D., Associate Professor and Dr. K. PUSHPANJALI Ph.D., Associate Professor and Head, Department of Statistics, S.K. University, Anantapur for their valuable suggestions and co-operation during my course of study.

I am greatly indebted to the officials of Sri Krishnadevaraya University, Anantapur for giving me an opportunity to prosecute my research and providing necessary facilities.

I am thankful to the authorities of Indian Institute of Science and Indian Statistical Institute, Bangalore for providing me the necessary Library facilities during the course of this research work.
Diction is not enough to express my unbound full gratitude to my beloved parents and all relatives for their dedicated effort shown on all my academics, without whose invaluable moral support I could not have reached to this stage.

I am deep it to express my inexpressible gratitude to my wife Smt. C. Sree Lakshmi and my son C. Sai Abhinav Reddy, for their constant encouragement.

I wish to record my deep and heart-felt gratitude to Sri. G. Naga Sunil Kumar, research scholar, Department of Statistics, S.K. University, Anantapur, for his moral support during my course.

I sincerely thank all my co-research scholars Sri B. Venkataramudu, Lecturer in Statistics, SSBN Degree College, Anantapur, B. R. Narayana Murthy, Lecturer in Statistics, Govt., Arts College, Anantapur and other research scholars of the Department of Statistics for their constant encouragement.

I sincerely thank non-teaching staff of Department of Statistics, SKUUniversity, Anantapur for their help during my course of study.

C. MANMATHESWARA REDDY)