ACKNOWLEDGEMENT

I wish to express my most sincere sence of gratitude to my quide Dr. R. N Rattihalli, Head, Department of Statistics for constant encouragement and guidance, quiet generousely provided, which enabled me to carry out this work.

I wish to express sincere sence of gratitude to Dr. M. S. Prasad, former Head, Dr. S. R. Kulkarni, Dr. B. V. Dhandra, Dr. D. T. Shirke, and Mrs. H. V. Kulkarni for their constant encouragement, suggestions and all possible help.

I remembar very well to my M. Phil. colleagues M. S. Shirke, R. R. Kumbhar, M. P. Gadre, T. K. Thigale, D. N. Kashid, D. T. Jadhav, C. S. I. R. Fellow and my friend M. R. Soni and all other friends for their help and valuable co-operation.

I would like to thank non-teaching staff of the department for their co-operation.

Last but not least, I am very grateful to my wife Mrs. Savita, cousin Kiran and all family membars for bearing ultimely burdon, encouragement and co-operation.

Department of Statistics, Shivaji University, KOLHAPUR Date: 30 June, 1995.

P.Y. Patil.