ACKNOWLEDGEMENT

A variety of different things are rushing to my mind, when I think of acknowledgement, which seems to be difficult to catch in words and put on the paper. But, definitely it is a matter of great pleasure and satisfaction. The first person to be acknowledged is definitely my research guide Dr. Ashok Shanubhogue, Professor, Department of Statistics, Sardar Patel University for many special reasons. His vision, understanding and goodwill about me might have made him to call me and make me work on the topic which I had left for more than Twenty Five years back. Together with a lot of thanks I express my deep sense of gratitude towards him for all these things with his help, guidance and the facilities he provided for me to cope up with the hotness in the atmosphere.

I would take this opportunity to thank Dr. P.A. Patel, Professor and Head, Department of Statistics, Sardar Patel University and his teaching as well as non-teaching team for research facilities and help at various stages. I thank Dr. J.M. Divecha, Dr. M. B. Bhatt and other staff members of the department for the help and support they provided to me. The discussions with young faculty members and researchers like Dr. N.R. Jain, D.P. Raykundaliya, Mayank Bhatt, A.R. Sinojiya, N.B. Shete, Rajendra Desai made my stay enjoyable. I thank them all. I express my happiness and thank my former student and a faculty member of this department Nitiraj B. Shete for taking a lot of care and making my stay comfortable.

I thank authorities of The Rayat Shikshan Sanstha, Satara, Principal, D.P. Bhosale College, Koregaon (Satara), M.S. India, my colleagues, friends and relatives for their permissions, facilities, support and help essential to carry out this research work.

This is outcome of a team work. My sister Mrs. Ratnamala Arunrao Shinde, her family members and colleagues are looking after my mother who is in bed and is supporting me for almost all these years. My brother Hanamantrao and his wife Mrs. Sanjiwani carried out all the responsibilities at native. My wife Adv. Mrs. Shailaja had to take tremendous efforts to manage her professional and social responsibilities.
with family matters. My son Vinay together with his business responsibilities helped me in communication, travel and computer matters. I would like to be humble and express gratitude towards the efforts of all of them. It is natural for me to be wordless as I happen to submit my thesis on 12th memorial day of my father: a farmer, a Patil, a soldier in Vinobaji’s peace army, a freedom fighter and quite an honorable person. Saluting him I submit the thesis as a tribute to his memory.

I am here mostly because of my teachers. Therefore, I take this opportunity to thank all my teachers such as Dr. S.V. Tirodkar, Dr. B.L. Patil, Dr. R. N. Rattihalli, Dr. M.S. Prasad (my former guide), Dr. B. K. Kale, Dr. A. P. Gore and many many other good teachers.

Once again I express happiness and my deep sense of gratitude towards Dr. Shanubhogue, authorities of Sardar Patel University and others for making it possible for me to contribute something to the knowledge of my subject which provided me almost everything in my life.

Vallabh Vidyanagar Dattajirao B. Jadhav

Date: Nov.5, 2014.