ACKNOWLEDGEMENT

Before we get into thick of things, I would like to add few heartfelt words for the people, who are the part of this thesis in numerous ways. I owe a deep sense of gratitude and profound indebtedness to my guide Dr. Sanjay K. Mohanty, Professor, Department of Fertility Studies for his valuable guidance, immense support and encouragement throughout the Ph.D. work. He showed me the path, whenever I found myself directionless. His minute understanding of the subject helped me in learning many new ways of dealing the research problems. Not only he provided guidance but also moral support and encouragement at every step of my research.

I express my deep thanks to my advisory committee members Professor Faujdar Ram and Professor T.V. Sekher for their valuable suggestions and consistent guidance to me. I appreciate lively and constructive discussion with them this has greatly increased the credibility of this research. I am extremely thankful to both of them for their inspiring words and ideas that helped me a lot at each stage of the work.

I would like to thank Professor Laishram Ladu Singh, Head of department of Mathematical Demography and statistics whose thoughts and guidance, I got whenever I needed for completing this thesis. I am highly thankful to all my respected teachers at the institute, for their valuable suggestions and encouragement during my hard times.

I owe more than what I can mention to Professor Faujdar Ram, Director and Professor Sayeed Unisa Ph.D. coordinator for providing a cordial atmosphere and all necessary resource in completion of the thesis. I am thankful to both of them for their cooperation through Ph.D. work. I am also thankful to them for providing enough time to complete the thesis. I am indebted to Professor Chander Shekhar, Hostel warden for his help to staying in the hostel.

I am very much thankful to the Assistant Registrar Mr. M. Sekar, for his kind support throughout the course. I am also grateful to all the staff members of academic section Mr. Somnath and Mr. Ankush for their cooperation. I would like to sincerely thank Mr. D. D. Mestry, the librarian and other staff member of the library, who were prompt and
extremely helpful in providing the resources available in the library. I am also thankful to Dr. Sayeed Unisa and Anjani Mishra, in-charge computer centre and all other staff for their technical assistance and help.

The junior research fellowship awarded to me by the university grant commission is also acknowledged for aiding me in regard to the finance pertaining to the research.

I am highly thankful to Mr. Akas Wankhede, Ms. Vaidehi, Ms. Kiran and all other DLHS and NFHS staff for their kind support. I am thankful to my friends (Amrita Gupta and Itismita Pradhan) for their constant inspiration and moral support.

I always remember the unstinting support of my seniors, especially Dr. Malay Das, Dr. Suryakant Yadav, Dr. Kirti Gaur, Dr. Priyanka Dixit and Vandana Gautam for their concerned help, love and support at every stage of the thesis. I would like to show my gratitude to my juniors Bidyadhar, Awadhesh, Radheshyam and Chhavi Paul for their every possible help and encouragements throughout my hard time.

I express my deep thanks to my husband Jaindra Rajbhar for his positive attitude, continuous support and love. His continuous support always lifted my moral and his immense love made this laborious task of finishing dissertation easily. I express my deep respect and gratitude to my in-laws (Mr. Ram Dayal Rajbhar and Mrs. Gujarati Devi) who supported me at each and every step during my Ph.D. work. Their constant support, love and affection given strength to complete this work. I am thankful to my sister-in-law Mrs Mamta Bhardwaj for encouraging me in carrying out my work sooner.

I would like to extend my heartfelt gratitude to my parents (Mr. Surya Dev Ram and Mrs. Amravati Devi) and my brothers (Ashwani, Manish and Akhilesh) who provided constant support, love and affection even though I was far away from my family where I needed it most. They have been by my side through every ups and down in my life. Last but not the least my well-wishers who all have helped me to reach this.

Date: 22nd June, 2016
Place: IIPS, Mumbai

Mamta Rajbahr