**ACKNOWLEDGEMENT**

“It always seems impossible until it is done” a well said quote by Nelson Mandela.

Though it is hard to walk on difficult roads, it leads you to the most beautiful

Destinations. The past few years were challenging and have taught me many lessons, but the environment and people around me always nurtured me with positive energy persistently. Thus, it is an honour for me to express my thanks to all those who were the part of my memorable journey. Words wouldn’t adequate to express my gratitude for my parents without whom I would have accomplished nothing. My father, **Mr. Dharmendra Kumar Choudhary** is the first person who dreamt for my Ph.D. right from the time of my undergraduate studies.

“No matter in which field you are, you should do the best in that field” are his words which always give me inspiration and confidence to fight any difficult situation. My mother, **Mrs. Saroj Devi**, has raised me in all the difficulties and who has stayed by my side with the kind of love one could never imagine of.

With due respect, I thank my supervisor, **Dr. Sanjay Chaudhary** for his privileged guidance, suggestions and help in all possible aspects to make me achieve my goals. He always encouraged me to opt for the new ideas and believed in me. His observations and comments helped me to establish the overall direction of the research and to move forward with investigation in depth.

With deep sense of respect and gratitude, I express my gratitude to **Dr. Sanjay Gaur**. He is the person whom I admire the most. His immense experience and immeasurable knowledge showed me the way to make the work informative and exhaustive. His constant encouragement and appreciation kept me motivated throughout and helped me immensely in completing this work on time.

“Guru is an inspiration” and I am so lucky to bless by two gurus as **Dr. Amit P. Ganatra** and **Mr. Mozzam Lightwala.**

Words would not fit if I try to thank my Friend/Wife Mrs Anita Punia. I thank all of them for their support and encouragement.

Last but not the least, I express my gratitude and apologize to everybody whose contribution I could not mention. I would like to express my deepest appreciation to all those who aided me to complete this work.

**Vikas Kumar Choudhary**