ACKNOWLEDGEMENTS

The present thesis has been completed under the guidance of Dr. S. C. Mehrotra Professor, Dept. of Comp. Sci.& IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad and Dr. Hardeep Singh Professor, Dept. of CSE, Guru Nanak Dev University, Amritsar (Punjab). I owe genuinely Dr. S. C. Mehrotra a deep sense of gratitude for the enthusiastic support, valuable guidance and tender words of appreciation. It was due to his constant help and timely suggestions that the present thesis could be completed. I am also thankful to Dr. Hardeep Singh for his invaluable support as and when required.

I would like to express my profound gratitude to my father, Dr. Afzal Khan, Professor, Department of English, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad for inspiration, necessary advice and academic support. I thank my mother (Late) Mrs. Fakhrunnisa Begum for her enduring kindness. I am grateful to Padmashree Mrs. Fatma Rafiq Zakaria, President, Maulana Azad Educational Trust for encouragement and for reminding me the importance of research work constantly. I am also thankful to Dr. Shaikh Saleem, Director, Millennium Institute of Management, Dr. Rafiq Zakaria Campus, Dr. Maqdoom Farooqui, Principal, Maulana Azad College, Aurangabad and Dr. A. R. Khan, Head, Department of Computer Science Maulana Azad College, Aurangabad.

I must thank the Faculty, Department of Computer Science and IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad for guidance and friendly advice. I must thank to all my family members whole heartedly, my in-laws and especially my husband Safdar Ali Siddiqui whose unconditional care and support helped me throughout my life. I am especially thankful to Raza Computers for the set-up of my thesis.

I thank the Dr.Babasaheb Ambedkar Marathwada University Library, Aurangabad. I would like to thank all my friends, colleagues, college staff, and well-wishers for their help and encouragement. I would like to thank all the people who have helped, and supported me directly or indirectly during the period of my research work.

(Mrs. Khan Rahat Afreen)