Acknowledgment

All thanks and praise are due to Allah, my companion during conducting and completing this thesis in the best way that I can. Of course, due to the great assistance and suggestions of several people, this thesis appears in its current form. I would, therefore, like to offer my deepest thanks and gratitude to all of them.

It is a privilege of mine to have been in association with my research supervisor Dr. Vikas T. Humbe during the period of conducting this research work. It gives me great pleasure to express my sincere thanks and deepest gratitude to him for his valuable inputs, excellent guidance, constant encouragement, whole-hearted cooperation, motivation, constructive criticism, support and patience throughout this work. His continuous inspiration, sharp comments, thoughtful and insightful suggestions helped me to improve the quality of this study. Thank you, Sir, for being my supervisor.

My sincere thanks and gratitude to the great scientific edifice “University of Hodeidah, Yemen” and also to the great India, represented by the Swami Ramanand Teerth Marathwada University, Nanded.

My truthful thanks and appreciation to the faculty members at the School of Computational Sciences, especially the School Director Dr. G. V. Chowdhary and Dr. Archana H. Sable for their valuable cooperation. My thanks also do to Dr. B. Surendranath Reddy and Dr. Ali Abdo, School of Mathematical Sciences, for their collaboration and discussion, and nice and encouraging words. My thanks, and appreciation are also due to Director of ISC Dr. B. S. Jadhav at S.R.T.M.U., Nanded for his boundless cooperation.

I extend my sincere thanks to my colleagues at the school of Computational Sciences and other schools at S.R.T.M.U., Nanded who were always encouraging and uniformly helpful with criticism and insight.
I feel wordless to express how bound I am to Reem Albaity, an honorable poet from Syria. She was the right mother at the right time. She helped me to stand and gather myself at the time when my nation was undergoing destruction, and everything seemed to me disappointing. She did ensure me that we can still rise from the ashes and build our ruined country, and have bright future. Her words really inspired me and pushed me forward. She frequently asked about my homeland, family and my welfare, explain readiness to help in any way. She was really the one who could claim the position of my mother. Thank you, Mother. Thank you for being there for me.

At the outset I am heartily thankful to all my relatives, who constitute the whole world to me, my late PARENTS and my sweetheart and dearest BROTHERS (Mr. Khaled & Mr. Abker) and SISTERS for their love, prayers, encouragement and financial and emotional support. Indeed, I am nothing without you, dearest. You truly made my University life comfortable and my time more enjoyable. Words of thanks and love are not enough to express what I owe you. Just, form the deepest bottom of my heart, I ask Allah to reward and fulfill your wishes.

Also, my special sincere thanks and gratitude go to my cousins, (Prof. Abdo Yahya Hudeish) who opened the door for me through his unlimited supports and his continuing advices that helped me a lot in developing my personality, shaped my career as a passionate teacher, and made me a man who does not fear challenges of life, and (Dr. Omer Yahya Hudeish, Mr. Ali Yahya Hudeish) who have always treated me as their young brother. It is you, my dear cousins, the indeed BROTHERS, who are always hard to find, harder to leave, and impossible to forget.

Finally, all thanks and appreciation to everyone who directly or indirectly gave me assistance, help and advice.