ACKNOWLEDGEMENTS

I would like to take this opportunity to give my sincere thanks and appreciation to the persons who have been my source of strength and support towards the completion of this work.

First of all, I thank my mentor, guide and research supervisor Dr. Pravin H. Bhathawala, Professor of Mathematics and Former Head, Department of Mathematics, Veer Narmad South Gujarat University, Surat, for their continuous inspiration, motivation and support without which this research project could not have been completed.

I would also like to thank Dr. Kaushal B. Patel, Lecturer, Department of Mathematics, Veer Narmad South Gujarat University, Surat, for all the help he rendered to me, for his willing co-operation, and for providing me the encouraging environment.

I would also like to thank Department of Mathematics, S. P. University, Anand & Sardar Vallabhbhai National Institute of Technology, Surat for extending all possible help, encouragement and also extending me their library facilities.

Here, I take this opportunity to thank all my teachers from School, College and University level for taking special interest in developing my individuality and my career. I say a big “Thank You” to all of them as I would have never reached higher faculties of Mathematics without their encouragement and support.
It is noteworthy here to mention the contribution of my family, I am fortunate that I had a best father in the world who keeps all the pains and trouble with him and letting me free so that I can grow. I am great full to my parents, and family members for their candid support in life. I must appreciate the passion and care taken by my wife had shown during the years of my research, she played a great role of father as well as mother to my lovely son Priyanshu and facilitates me to focus on research. For all these enabling environment I must thank god to make me a part of such a great family.

Apart from these, there are many others who have contributed towards the completion of this work, I would like to thank them all from the bottom of my heart.

Last but not the least, I am thankful to all the individuals who directly or indirectly help me to complete this research and preparation of thesis.

Lastly the ALMIGHTY without his blessings this work could have never been a successful one.

Tailor Ravi Manojkumar