ACKNOWLEDGEMENTS

It is very difficult to name all those who have supported me, provided ideas and assistance of all kinds during my thesis work in the last three years. For this reason, I would like first to collectively thank to all.

I would like to say my special thank you to my supervisors, Dr Naresh Kumar for his contributions, corrections, remarks, efforts and supervisory role in making this thesis a remarkable success. He always spared some time to go through this work in spite of his very busy schedule. I equally appreciate my joint supervisor, Dr Kapil Khattar for his undisputable remarks and corrections. Thanks for being so thorough sir.

I am equally grateful to all the faculty and staff members of Jagannath University, especially Dr Vivek Sharma. They all have contributed in their different ways to the completion of this thesis. I cherish their invaluable contributions.

I am also grateful to my friends whose friendship meant a lot to me.

And finally, my deepest gratitude goes to my family, whose love, support and encouragement have been very important to me in the past three years.

Thank to all