People confuse goals with dreams and wishes. Dreams are nothing more than desires. Desires become strong when they are supported by direction, dedication, determination, discipline, deadlines. Goals are dreams with a deadline and an action plan. It is passion, not wishing, that turns them into reality.

William Stallings

Acknowledgements

Dr. D.K. Lobiyal, my thesis advisor, is true to his name. He showed his generosity by accepting me as his student. He patiently guided me throughout my research career at JNU. He enlightened me through his knowledge and wisdom. He always spared his time day and night whenever I needed discussion on my research work. He treated me as his family member. He stood like a rock to help me during my difficult times.

I am highly grateful to Prof. Ivan Stojmenovic, SITE, University of Ottawa, for his valuable suggestions and contributions to my research work. It could not have been possible for me to realize my dreams into goals without timely and vital guidance from Dr. Lobiyal and Prof. Ivan.

My special gratitude to Prof. Karmeshu, Dean of the School, for his wisdom and kindness in solving the problems of students.

I would also like to thank Prof. K.K. Bharadwaj, Ex-Dean of the School, for giving attention to the difficulties that I faced as a student.

I cannot forget the moments I shared with my friends Gaja, Rishipal, Khaled, Arvind, Chauhan, Majhi, Rajiv, Abhay, Atiq and Pankaj Goyal during my stay in JNU. My special thanks goes to Gaja who helped me in last minute editing of my dissertation.

My sincere acknowledgement to Mrs. Sheela Lobiyal for allowing me to work with Dr. Lobiyal at home for my Ph.D. work during the odd hours. She has always been kind enough to provide me comfort atmosphere by treating me as a family member. I am indebted to little Vaidesha and Vedant for snatching away their time from their father which they could have enjoyed the most.

I express my thanks to Mr. R.C. Nagpal my colleague at NDRI who has been constantly taking care of matters that would have needed me at NDRI from my busy hours at JNU.

Last but not the least, I would like to mention the name for whom the words may not be sufficient to express by gratitude. However not mentioning the name will be dishonesty. It is my wife Geeta who spared me to fully devote myself to my work at her own cost.

(Anand Prakash Ruhil)