ACKNOWLEDGEMENT

It gives me great pleasure to acknowledge my indebtedness to my Professor and Guide Dr. S. S. Benchalli, Professor, Department of Mathematics, Karnataka University Dharwad, for his invaluable guidance and encouragement. He has shown me the path through his useful suggestions, discussions and fruitful criticism, thus helping me to contribute a tiny bit to this vast sea of general topology. The completion of this thesis owes very much to his support and his keen interest and involvement in the work.

I take this opportunity to express my sincere thanks to my Professors, Prof. V. A. Hiremath, Professor and Chairman, Prof. S. S. Bhoonurmath, Prof. H. B. Walikar and Dr. B. Basavanagoud, Department of Mathematics Karnataka University Dharwad, for extending the necessary facilities and for encouraging me throughout my research work.

I am happy to express my sincere thanks to Prof. N. M. Bujurke, INSA Senior Scientist Department of Mathematics Karnataka University Dharwad.

I am thankful to all research scholars including Mr. T. D. Rayanagoudar, Mr. G. P. Siddapur, Dr. S. R. Gani, Mr. B. M. Ittanagi, Mr. S. N. Patil, Sri R.S.Wali, Smt. S.N. Bansode, Smt. Jenifer Rodrigues, Miss. Anuradha N. Patil, Mr. Milind Kulkarni, Mr. Prabhaiah, Mr. Mahesh K. Bhat, Mr. G. M. Sajjanshettar, Mr. A.C. Upadhaya and Miss. Ranjana P. Bhandare.

I am happy to express my sincere thanks to Sri Venkappa M. Agadi Chairman, Smt. Kamala and Sri Venkappa M. Agadi Charitable Trust, Laxmeshwar for providing me the necessary leave and other facilities throughout my research work.
I take this opportunity to express my sincere gratitude to Dr. Arun R. Patil, Director, Smt. Kamala and Sri Venkappa M. Agadi Charitable Trust, Laxmeshwar, being extremely caring and motivating throughout the period of this work.

I profoundly thank our Principal Dr. Vishwananath. P. Baligar and all the teaching and non-teaching staff members of S. K. S. V. M. Agadi College of Engineering and Technology, Laxmeshwar for their help and continuous encouragement.

I am happy to express my sincere thanks to all my friends and relatives.

I am thankful to all the staff members of the Karnataka University Library and the non teaching staff members of Department of Mathematics and Computer Science for extending the necessary help and cooperation.

Place: Dharwad

Date: 8th January 2007.

PRAKASHAGOUDA G. PATIL