Acknowledgement

I express my profound sense of gratitude and debtiness to my mentor Dr. Nirmal K. Patel, Assistant Professor, Department of Industrial Chemistry, ISTAR, Vallabh Vidyanagar, whose vigilant guidance, continuous encouragement and parental care has been of much importance during the research work.

I am very much grateful to Charutar Vidya Mandal for the support.

I am indebted to Late Prof. (Dr.) V. S. Patel for their valuable suggestion and help during my research work.

I am indebted to Dr. P. M. Udani, Principal, Institute of Science and Technology for Advanced studies and Research (ISTAR), Vallabh Vidyanagar and Dr. Merlin Thomas, Head, Department of Industrial Chemistry, ISTAR for extending their help by providing the research facilities.

I am grateful to Dr. Basudeb Bakshi, Principal, N.V. Patel College of Pure and Applied Sciences, V. V. Nagar, for his help in providing the research facility.

I am grateful to Dr. V. A. Patel, Associate Professor, Department of Pharmaceutics, A. R. & G. H. College of Pharmacy, V.V. Nagar and Dr. Harsha A. Patel, Associate Professor and I/C Principal of Indukaka Ipcowala College of Pharmacy, V.V. Nagar for their help for the tablet preparation and drug release study.

I am grateful to Dr. V. K. Sinha, Associate Professor, Department of Industrial Chemistry, V.P. and R.P.T.P. Science College, Vallabh Vidyanagar, Dr. J. V. Patel, Assistant Professor, Department of Industrial Chemistry, ISTAR and Dr. Rohit Dave, Assistant Professor, Department of Industrial Chemistry, ISTAR, Vallabh Vidyanagar for their valuable suggestions during the entire course of research work.

I am thankful to Dr. V. D. Bhatt, former head Department of Chemical Sciences, N. V. Patel College of Pure and Applied Sciences, Vallabh Vidyanagar for their valuable suggestion during the course of research work.
I am thankful to Prof. H. S. Patel, former head Department of Chemistry, Sardar Patel University, for his kind cooperation in the use of library facility at the department.

I am thankful to Dr. Brijesh Parikh, Rasayan Laboratories, Anand for providing testing facility for my research work.

I am thankful to Sudhir bhai, Nilesh bhai, Minesh bhai, Pinakin bhai, Parul mam, Pravin bhai, Nagji bhai, Kamlesh bhai, Snehal bhai, Raju bhai and Sailesh bhai for their kind help during the course of my research work.

I also want to thank to my colleagues Mandar, Dhaval, Rinkesh, Tirth, Ankit, Chirag, Nisarg, Amit, Jaimin, Ram and Kuldip for their help during my research work.

I am also thankful to MY BELOVED PARENTS, MY SISTER and MY FRIENDS for their continuous encouragement during my entire research work.

Place: Vallabh Vidyanagar

Date: (Jay J. Patel)