PREFACE

This Ph.D. work I have started by the grace of my god Sai baba and is desire of my father. This thesis contains my five years research work which I have carried out at Pulla Reddy Institute of Pharmacy, Medak. It was my brother who made me a real person. He is the person who ignited passion in me towards research. Without this foundation, I probably would not have dared to study an emergent technology which, at the point I started this work, still had a very unclear future. I would have never reached the point of finishing my dissertation without the help and support of others.

These five years have been a challenging trip, with both ups and downs. Fortunately, I was not alone on this road, but accompanied by an extended team of experts, always willing to coach, sponsor, help, and motivate me. For this, I would like to kindly thank them.

This thesis is divided into eight chapters. Chapter one focuses on the general aspects of Drug Delivery and the need for various approaches to Novel Drug Delivery Systems. It also provides an overview of transdermal drug delivery that envisages briefly about vesicular carriers in drug delivery, through skin. Chapter two includes a careful and systematic presentation of published literature that has been reviewed to develop and evaluate the system designed in the present investigation. Chapter three outlines the aim & objective of the present investigation, preformulation studies of drug and various polymers with their characterization. It deals with brief profiles of the drug, polymers, Materials and methods adopted in the
preparation and characterization of the microspheres in the present work. **Chapter four** outlines the results of all investigations obtained in an orderly manner. **Chapter Five** deals with all experimental results obtained in the investigation with their probable implications. **Chapter Six** deals with discussion on experimental results. **Chapter Seven** deals with summary and conclusion drawn from the present work. **Chapter eight** gives list of Bibliography/References.