Acknowledgement

This thesis is the end of my long journey in obtaining my degree. I have not traveled in vacuum in this thesis journey. There are some people who made this journey easier with the word of encouragement and more intellectually satisfying by offering different place to look to expand my theories and ideas.

It is a pleasant aspect that I have now the opportunity to express my gratitude for all of them. I owe a dept of thank for their support over the research work.

First I would like to sincerely acknowledge my guide Dr.(Prof.) H.S. Patel for suggesting ,even though he has, in my opinion, the busiest schedule of any professor I have met, he always found adequate time to oversee my studies and share his knowledge and expertise with me, without which this thesis could not be produce in this present form. I must appreciate for his ever-ready helping attitude. This was the constant motivating factor for me to complete this thesis. I regard you sir, as an outstandingly good scientific supervisor and a very nice person to work with.

I hereby thank Dr.R.M. Patel, former Head and Dr.J.S. Parmar Head, Department of Chemistry, Sardar Patel University, for their great help in providing literature and research facilities and encouragements during my research work.

I am very grateful to Kemrock Industries and Exports Ltd. And Georgia-Pacific resins, Inc. for their interest and support during my research works. I am also thankful to them for awarding me research scholarship.

The episode of acknowledgement would not be complete without the mention of my colleagues and all of my friends for their constant moral support and help through out my research work the word is insufficient to express my deepest gratitude from bottom of my heart to my parents Avnindrabhai F Patel and Vijyalaxmiben A Patel. The present work would have not been possible without their indispensable help, unlimited patience, moral and emotional support full of constant encouragement in all my endeavors. Affection and full of constant co-operation from my loving and caring brother Vikas and my Bhabhi who has constantly provided emotional support
Acknowledgement

and took care of me in many aspect, I would like to express my sincere thank to them. Especially I am grateful to the very naughty Jimesh and Dharti who supported me a lot. I am grateful to all entire member of my family in form of inner strength and emotional support, made it possible to accomplish this tantamount task.

A special thanks to all teaching and non-teaching staff members, technicians, librarian and peons of the Chemistry Department for their great help and cooperation.

My acknowledgement would not be completed without expressing due regards and gratitude to all who had helped me directly or indirectly through, this study for their cooperation and patience without which this study would not have been possible.

--(Mr. Jigar A. Patel)