

# ***ACKNOWLEDGEMENTS***

I express my thanks to god for providing me inspirations, strength, energy and patience to start and accomplish my work with the support of all concerned a few of them I am trying to acknowledge.

I would like to express my sincerest gratitude towards **My Guide and Head of Electrical Engineering Department Prof. Satish K. Shah**, Faculty of Technology and Engineering, The M. S. University of Baroda, who gave me an opportunity to work on this problem, and did not fail in trusting in my commitment. Of course, this work would not have been possible without his full and whole hearted support as an advisor, well wisher.

I would like to convey my sincere thanks to Mr. Viral N. Parikh, Director of Delmer Products Ltd., Vadodara, who not only supported financially but also gave me mental support on each and every stage of the work.

I heartily thank to Mr. Promod Nagraj, Mr. Mohan Tilvalli and Prof. M. M. Pathan who have given their endless support, and gave me guidance whenever I need it.

I would like to thank my colleagues for their help and throughout support, to teaching and non teaching staff of Electrical Engineering Department, Faculty of Technology and Engineering, The M. S. University of Baroda for providing me co-operative environment.

I also acknowledge my personal dedication towards **MY FAMILY** who have always supported in bad and good times and have been dedicated to my success.

*Hiren M. Shah*