

Acknowledgements

I express my thanks to **Almighty** for providing me inspiration, 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.

It is great pleasure and privilege to have an opportunity to work on the project entitled "Design and Implementation of DSP Based Control of Hybrid Cascaded Multilevel Inverter using Various Novel Pulse Width Modulation Techniques". I would like to express my sincere gratitude to my guide **Dr. Hina B. Chandwani**, for her inspiring guidance and invaluable suggestions that has been the driving force in the success of my project work and who has been main source of inspiration throughout the course of work.

I am also grateful to Mr. B. B. Modasia, Proprietor, Control System Engg., GIDC Makarpura, Vadodara for his technical suggestions, guidance and providing laboratory facilities for implementation of hardware. I am also thankful to his technical assistant Mr. D. M. Kapre for helping me in hardware implementation.

I thank **Prof. S. K. Shah**, Ex-Head and **Prof. S. K. Joshi**, Head, Electrical Engineering Department, Faculty of Technology & Engineering, The Maharaja Sayajirao University of Baroda, Vadodara for their valuable time, guidance, support and suggestions. I am really thankful to them as they allowed me to work in the department as Ph. D. student.

I would like to thank all teaching and non-teaching staff of Electrical Engineering Department, Faculty of Technology and Engineering, The Maharaja Sayajirao University of Baroda, Vadodara for providing me co-operative environment.

I am thankful to Mr. Nitin Paranjape (Managing Director), Edutech Systems, Vadodara for his technical support and providing laboratory facilities for implementation and testing of software of the project.

I am thankful to Department of Science and Technology(DST), New Delhi, India for sponsoring the research project under Women Scientist Scheme(WOS-A) Disha Programme.

I express my thanks to all my colleagues for their help and throughout support. Last but not least, I express my thanks to **my family** for all support, inspiration and love provided to me with all inconveniencies caused because of my engagement in this work.

Mrs. Meeta K.Matnani