

# Acknowledgements

Success of any work depends upon the dedication, sincerity and hard work. It also requires some ingredients such as motivation, guidance, encouragement and valuable time.

I owe a great privilege to express my deep sense of gratitude, sincere appreciation and indebtedness to my Guide Prof.(Dr.) S.K.Joshi, Head, Electrical Engineering Department, for their excellent supervision, skilled guidance, unfailing support, stimulating discussion and constant encouragement not only during the research work but also over entire period of my association with him. I also offer my deep sense of respect and profound indebtedness to Sir for their deep concern both for my academic and personal welfare. I would also like to acknowledge other professors and all staff members of the Electrical Engineering Department to provide support whenever it was required.

I hereby thank to Mr. S. B. Mahajani (Ex-DGM, Amtech Electronics (India) Ltd, for providing me guidance and encouragement.

It is known fact that words are never sufficient to express the exact amount of gratitude that a person feels, but words are only way to express our feelings.

I dedicate this work to Goddess Ashapura, the incarnation of Durga. She is the universal source of energy. She inspired me to carry out this work and kept me motivated in tough times.

Achievements in life do not come alone by one's efforts but the blessing of almighty, Teachers and Parents. I respectfully thank to my mentor Guru Shree Saibaba, my parents and my brother and sister for their blessing, encouragement and belief in myself. The continuous support of my wife Kintan, my son Shreedatta has been very valuable. Their understanding and happily agreeing to devote time, which truly belonged to them, on my research work rather than with them.

Thanking you.

**Jignesh P. Patel**