

A c k n o w l e d g e m e n t

At the outset, I must express my deep sense of gratitude and thankfulness to Prof. Barun Banerjee, D.Sc.(Calcutta) Education Officer, Jalpaiguri Division, for his invaluable suggestions and continued supervision at each and every stage of this research work.

I express my heartiest gratitude to the learned reviewers of different International Journals for their helpful suggestions in improving the present research project.

I also thank Sri Soumitra Sengupta of Regional Education Office, Jalpaiguri Division and Sri Manabendra Sanyal of Jalpaiguri Government Engineering College, for their kind help in typing the present thesis.

I deem it a proud privilege to express my deep sense of regards to my father Dr. Sripati Dutta, Ex. Head of the Deptt. of Mechanical Engineering, Jalpaiguri Government Engineering College, for his help and inspiration throughout the work.

And the last, but not the least, I must thank Anita, my wife, who continuously inspired me.