ACKNOWLEDGEMENT

I am pleased to express my gratitude for the valuable guidance, inspiration and constant encouragement given by my Research Guide Dr. M. A. Gopalan, Reader, Department of Mathematics, National College.

My sincere thanks to respected Mr. Santhanam, Secretary of National College and The Principal of National College, for their kind permission given.

My sincere thanks to Dr. R. Ganapathy H.O.D of Mathematics Department, National College (formerly), H.O.D of Mathematics Department, Saranathan Engineering College, for providing me with essential guidance during my period of Research.

My sincere thanks to Prof. A. Krishnamurthy, H.O.D of Mathematics Department, National College, for his efforts and co-operation.
Expressing my thanks with high regards to Prof. R. Sethuraman, Vice-Chancellor of SASTRA, for his kind permission to pursue this research work and for his words of encouragement.

I wish to record my sincere thanks to Registrar and all the Deans of SASTRA and special thanks to School of Humanity Deans, for their experienced guidance.

My thanks to all my colleagues and staffs who extended their co-operation.

Thanks to all my near and dear for their strongest support in completing this Research work. High respects to Mrs. Subbulakshmi Gopalan and special thanks to my brother R. Guru Prasad and my in-law's family.

Last but not the least, my thanks are due to my wife Smt. Sridevi Srikanth, not only for her help towards the preparation of this thesis, but also for her co-operation extended to me during this period.