ACKNOWLEDGEMENT

The author wishes to express his deep sense of gratitude to his supervisor Dr. R. Arumuganathan, Professor, Department of Mathematics and Computer Applications, PSG College of Technology, Coimbatore, for being mentors and offering his guidance and constant encouragement at every stage of this research work.

The author wishes to thank Dr. R. Rudramoorthy, Principal, PSG College of Technology, Coimbatore for giving him the permission to use all facilities in the college without which the work would not have been completed.

The author sincerely thanks Dr. R. Nadarajan, Professor and Head, Department of Mathematics and Computer Applications, PSG College of Technology, Coimbatore for his valuable suggestions, extended support and constant encouragement to carry out this research work.

The author sincerely thanks Dr. P.R. Kandasamy, Professor and Head, Department of Mathematics, Hindustan College of Engineering and Technology, Coimbatore for giving him valuable suggestions.

The author also thanks to his research colleagues Dr. M. Balasubramanian and Dr. M. Senthil Kumar, for useful discussions and interactions on this research work. The author extends sincere thanks to Ms. P. Sasikalamani, Assistant Professor, Department of English, for her support in formatting the present work.

The author immensely thanks all the faculty members and supporting staff of the Department of Mathematics and Computer Applications, PSG College of Technology, Coimbatore, Tamil Nadu, India for their kind cooperation and help rendered during this research work.

The author owes his special thanks to his parents and family members who have always been source of inspiration to him throughout the research work.

M. HARIDASS