

## ACKNOWLEDGEMENT

## ACKNOWLEDGEMENT

First and foremost, the investigator is extremely thankful to the **LORD ALMIGHTY** for his graces and blessings showered on her.

The investigator expresses her sincere thanks to **Thiru.T.S.K.MEENAKSHI SUNDARAM**, M.A., M.Phil., Chancellor, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, for providing conducive infrastructure and the opportunity to conduct the research study.

The investigator wishes to express her sincere thanks to **Dr. SHEELA RAMACHANDRAN**, M.Sc., P.G.Dip., Ph.D., (Avinashilingam), Vice Chancellor, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, for the encouragement and for providing the opportunity to conduct the study successfully.

The investigator wishes to express her sincere thanks to **Dr. GOWRI RAMAKRISHNAN**, M.Sc., (Madras), M.Phil., Ph.D., (Avinashilingam), Registrar, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, for the encouragement extended and for providing adequate help required to carryout the study.

The author would like to thank **Dr. P.SANTHANAKRISHNAN**, Ph.D (Tamil Nadu Agriculture University, Coimbatore), Director (Research and Consultancy), Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, for all the encouragement

The author is very thankful to **Dr. R.PARVATHAM**, M.Sc., Dip.Ed., M.Phil., (Madras), Ph.D., (Avinashilingam), Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, Dean, Faculty of Science, Coimbatore, for her constant support for the completion of the study.

The author extends her deep sense of gratitude to **Dr. A.PARVATHI**, M.Sc., Dip. H.Ed., M.Phil., (Madras), Ph.D (Bharathiar), Professor and Head Department of Mathematics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, for her excellent support and advice and unflinching encouragement and guidance during the course of the investigation.

The investigator takes immense pleasure in expressing her heartiest thanks and profound sense of gratitude to her guide **Dr. K.SIVAKAMASUNDARI**, M.Sc., Dip. H.Ed (Madras), M.Phil (Annamalai), Ph.D (Avinashilingam), Associate Professor, Department of Mathematics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, for her inspiring guidance, innovative ideas, meticulous

care, critical suggestions, constant encouragement and patience throughout the completion of this work.

The author wishes to thank all the **STAFF MEMBERS OF THE DEPARTMENT OF MATHEMATICS**, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, for their help and encouragement and who were responsible for the good finish of this dissertation.

The author endures her special word of acknowledgement from the bottom of her heart to **Miss B.GEETHAGNANASELVI** who gave her possibility to complete this project.

Words fail to express her deep indebtedness to her **LOVING PARENTS, HUSBAND, SISTER AND ALL WELL WISHERS** for being the motivating force behind this dissertation and providing moral support and encouragement in carrying out work.

Words failed to express her indebtedness to her **DEAR FRIENDS** for their open support and encouragement in making this work possible.