

## ACKNOWLEDGEMENT

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

The author takes immense pleasure in thanking **Dr.T.S.K.MEENAKSHISUNDARAM**, M.A., M.Phil., Ph.D. Chancellor, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, for providing the conducive infrastructure for the conduct of the research study.

The author would like to thank **Dr.(Mrs.) 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 author extends her heartfelt thanks to **Dr. (Tmt.) GOWRI RAMAKRISHNAN**, M.Sc., (Madras), M.Phil., Ph.D. (Avinashilingam), Former Registrar, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, for the encouragement given by her during the investigation.

The author extends her heartfelt thanks to **Dr.(Mrs.) A.VENMATHI**, M.Sc.,Dip.Ed., M.Phil., Ph.D., (Avinashilingam), Registrar (i/c), Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, for the encouragement given by her during the investigation.

The author is very much grateful to express her deep sense of gratitude to **Hony. Col. Dr. (Tmt.) SAROJA PRABHAKARAN**, M.A., Dip. Ed. (Madras), Ph.D. (Mother Teresa), Former Vice Chancellor, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, and The Director, Halls of Residence, Avinashilingam Education Trust Institutions- Hostel for Women, Coimbatore, for all the necessary support and guidance towards the completion of the study.

The investigator would like to thank **Dr. (Tmt.) A.PARVATHI**, M.Sc., Dip. Ed., M.Phil., (Madras), Ph.D. (Bharathiar), Professor, Dean, Faculty of Science,

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 would like to thank **Dr.(Mrs.) M.I.AFTHAB BEGUM**, M.Sc., M.Phil., Ph.D., Professor, Head of the department, 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 author is deeply indebted to her thesis advisor **Dr. (Tmt.) A.KALACHELVI**, M.Sc. (Madras), B.Ed., M.Phil. (Bharathiar), 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 investigator would like to express her 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.

Words fail to express her deep indebtedness to my **BELOVED PARENTS, LOVING SISTERS, BROTHERS, FRIENDS AND ALSO THE GRACEFUL RELATIVES** to their belief in the importance of education. They inspired me with the importance of learning and the clarity of understanding from childhood.