

ACKNOWLEDGMENT

It is indeed my heartfelt gratitude and humble regards to my supervisor, guide and coach **Dr. P. Rajinikumar**, Assistant Professor, the Department of Exercise Physiology & Sports Biomechanics, Tamil Nadu Physical Education and Sports University, Chennai, Tamil Nadu for his able guidance and dedication to my development throughout my program of the study. The present work has culminated due to his meticulous guidance, constant inspiration and most of all his enthusiasm for perfection and completion of this work. I am deeply indebted for the continuous encouragement and support in this study till in every way.

I express my gratitude to **Dr. (Mrs.) Grace Helina**, Vice Chancellor (o) of Tamil Nadu Physical Education and Sports University, Chennai, Tamil Nadu for having permitted me to undertake this study.

I would also like to take the opportunity to express my gratitude and indebtedness to **Dr. S. D. Fernandez, M.D., D.V.**, Associate Professor, SRM University Medical College Hospital and Research Centre, Kanchipuram, **Mr. M. Francis Joseph**, Assistant Professor in History, Arul Anandar College, Karumathur, Madurai and the founder of Indus Hockey Club, N. Panjampatti, Dindigul, **Dr. S. Mary Lilly**, Professor and Head, Government Stanley Medical College, Chennai and **Mrs. I. Jeya Pushpa**, Assistant Professor in English, Jeyaraj Annapackaim College for Women, Periyakulam for their valuable support and encouragement to complete this study in a successful manner.

I have no words to express my gratitude and indebtedness to my teachers **Dr. J. Kirubakaran**, Former Professor and Hockey Coach, **Dr. Sivarama Krishnan**, Former Controller Examinations, **Dr. Esther Ranjini**, Former Principal and **Dr. K. Jothi**, Associate Professor, YMCA College of Physical Education, **Dr. Sridhar**, Director of Physical Education, Pachiyappa's College, Chennai, **Mr. Kanthaline Christopher**, State Bank of India for their valuable suggestion, encouragement, inspiration, motivation and their prayers to God for my success which enabled me to complete this stupendous task.

I express my profound gratitude and indebtedness to **Rev. Dr. J. Danis Ponniah, S.J.**, Rector, St. Xavier's Institutions, **S.J.**, **Rev. Fr. A. Lourdusamy, S.J.**, Secretary, **Rev. Fr. D. Thomas Alexander, S.J.**, Principal, **Rev. Fr. S. Amaladoss Xavier, S.J.**, Director in Research Centre, **Rev. Fr. Jesudoss, S.J.**, Assistant Professor, **Dr. M. Antony Raj**, Dean of academic affairs, **Dr. A. Punitha Mary**, Vice Principal, **Dr. Michael J Leo**, Assistant Professor, **Mr. S. Stalin**, Art and Craft Instructor, **Dr. Y. Daniel**, Assistant Professor **Mr. A. Nickolas Jegan**, Assistant Professor, **Mr. S. Arockiasamy**, Assistant Professor, **Mr. U. Subramanian**, Assistant Professor, and my loving staff members, St. Xavier's College of Education, Palayamkottai for their constant support and continuous encouragement to complete my research work in a grand manner.

I feel it as a great joy in extending my heartfelt gratitude and acknowledgment to my father **Mr. A. Rayappan**, my mother **Mrs. R. Packiam**, my sister **Ms. R. Sungantha Vinnarasi**, **Mr. A. Selvaraj**, **Mrs. S. Arockiamary**, **Mrs. S. Maria Jeno Thanasheeli**, **Mr. Martin**, **Mr. A. Maruthamuthu**, **Mrs. S. Vasuki**, **Mr. S. Sahaya Sathiya Sheelan**, **Mr. S. William Antony Raj** and **Mr. S. Maria Arockia Anand** and other family members for their inexhaustible love, care, affection and continuous encouragement and motivation throughout my successful career.

I express my gratitude and thanks to **Rev. Fr. Xavier Vedam**, Principal, **Dr. I. Devanan**, Deputy Principal, **Rev. Fr. Rudolf Marian**, **Dr. I. Raju**, **Mr. Jeyanth Kumar (Late)**, **Mr. Inbaraj**, **Mr. Kumerasan**, **Mr. Nedumaren**, **Mrs. J. Vanitha**, **Mr. L. Karuppiah**, **Mr. A. Muthukumar**, **Mrs. Veeraparmeshwai**, **Mr. O. Santhanam** and **Mr. Gnanaguru**, Arul Anandar College, Karumathur, Madurai for their valuable guidance and moral support to gain knowledge in the field of physical education and sports.

I place on record my sincere thanks to **Dr. J. Anitha**, Assistant Professor in Statistics and Computer Applications, Tamil Nadu Physical Education and Sports University for her valuable suggestion and constant support to calculate the data in a systematic manner.

I feel privileged to thank **Mr. Michel D' Souza**, **Mr. A. James Benjamin Manikumar**, **Mr. I. Arockia Selvaraj**, **Mr. I. John Kingston**, **Mr. I. Edward**

Laurent, Mr. A. Sebastian Sahaya Raj, Mr. Clement Joseph and Mr. Rajamani for their moral support and encouragement in my sports career.

I am always thankful to all my friends **Mr. A. Antony Raj, Mr. A. Britto, Mr. A. Ravi, Mr. A. Nepul Raj, Mr. A. Leo Lawrence, Mr. A. Tony Lusington, Mr. A. Bruno D Cruze, Mr. M. Francis Prabu, Mr. K. Vijayakumar, Mr. A. Jose Fernandez, Mr. Johnson Princely, Mr. A. Alex and Mr. B. Stalin Kumar** for their constant support and continuous encouragements to complete my life task.

I feel elated to thank **Mr. S. Viswanath**, Ph.D., Scholar, Bharathidasan University for his immense help and encouragement in completion of my research work.

I express my special thanks and acknowledgements to **Mr. Ranjith, Mr. Karthikeyan, Mr. Jegan, Mr. Subbramani, Mr. Ponpandi, Mr. K. Ahil, Mr. R. Purushothaman and Mr. R. Kalaiselvan** for their help and support in my work.

I also take this opportunity to thank **Mr. Arul Stalin, Mr. Hari Prasath, Mr. Gnanavel, Mr. Nami Ganesh, Mr. Barath, Mr. Senthilnathan, Mr. Karan, Mr. Naveen, Mr. Deepak, Mr. Ashok kumar** and others hockey players for their constant support and their valuable time to complete my research work in a grand manner.

I would also like to take the opportunity to express my gratitude to **Mr. Sanker and Mr. Dinesh Kumar, Sekar Photo Studio and Graphics**, Chennai for their valuable support to record the videos and photos in my research work.

I express my special thanks and gratitude to sports officers, team managers, coaches those who rendered their help by allowing their sportspersons to participate in the study.

I also thank the Librarians of various universities for their kind help to collect the reviews and sources to complete the research.

R.SATHESH FRANKLIN