ACKNOWLEDGEMENTS

I gratefully acknowledge and sincerely appreciate my guide Dr. J.P. Sukumar, Director of Physical Education, Anna University, Chennai for his scholarly guidance and constant encouragement. He was a source of inspiration and invaluable support to me in the project. Without his valuable guidance this work would not be a successful one.

I thank the Vice Chancellor Prof. K. Vaithiyathan of Tamil Nadu Physical Education and Sports University, Chennai. Who had been a source of inspiration for many of us in the University and for having instilled in me the confidence, courage and opportunity to conceive my research work.

I am greatly indebted to Dr. Grace Helina, Professor, Dept. of Exercise Physiology, Tamilnadu Physical Education and Sports University, Chennai. For timely help and advice helped me to complete this task successfully.

I owe much to Dr. G. Kishore, Principal, SAI, LNCPE, Karivattom, Trivandrum, Kerala for his approval of collecting data and thought provoking actions and invaluably suggestions given whenever necessary.

Heartfelt gratitude goes to Dr. Vasanthi Kadiravan, Head i/c, Dept of Physical Education, University of Mumbai, Mumbai for the co-operation and valuable suggestion and advice to complete this work successfully.

Deep sense of gratitude to Dr. S. S. Hasrani, Former Principal, SAI, LNCPE, Kariavattom, Trivandrum for his timely help, constant support and encouragement.

The research scholar expresses to his greatfulness to Dr. Ashwini Nachappa, Arjuna Awardee, Founder of ASF, Mr. Ravi Shankar and his Teams of Coaches and friends of ASF, Coorg, Karnataka for their constant support and co-operations.
Sincere thanks to **Mr. Mahesh Patil**, Athletic Coach, SAI, LNCPE, Kerala who helped and contributed lot to collect the data and training.

The researcher expressed his sincere thanks and sense of gratitude to **Dr.V.Gopinath**, Professor, Dept.of Physical Education, Annamalai University, **Mr.Nishad kumar**, National Coach, SAI, LNCPE, Trivandrum, Kerala, **Dr.Jothi Dayanandan**, Reader, YMCA College of Physical Education, Chennai, **Dr.Rajini Kumar**, Asst. Professor, Tamil Nadu Physical Education and Sports University, Chennai,

The researcher also thanks to **Mr.Murali**, Librarian, SAI, LNPCE, Trivandrum, Kerala who helped in various direction of collecting the Journals, Books, References and etc.,

I am greatly intended to the **Students of B.P.E., M.P.E., and M.Phil Scholars of SAI, LNCPE, Kariavattom, Kerala** for extending their full co-operation and help amidst of their studying and examinations to conduct the experiment successfully.

Sincere thanks to **Dr.K.Siva Kumar**, Reader, Annamalai University for their moral support and co-operation.

Last but not the least I profusely place my thanks to **Swimming Coaches, Life Guards of SAI, LNCPE, Kerala** and **everyone** who has contributed in some way or other for the successful completion of the study.

*Jayaraman.S*