ACKNOLEDGEMENT

The acknowledgement cannot but start with expressing my gratitude to Neelu (Dr. T. Neelakantan) without his guidance and constant motivation a thesis from a lazy man like me will never materialize thank you sir for your relentless belief in me. It is a long journey for this thesis from 2003 to 2011. Many things happened during this time; actually you carried me in your arms to cross the chasm.

I am highly indebted to university Library and its staff for their great support for me. Without your support this research will not materialize. The staffs of research section all the deputy librarians who served the library during this time are supported me whole heartedly. From the computer section I am able to get almost all research journals for the thesis. During this time With the support of the library staffs we are able to form ARSUL a forum for researchers in University library for conveying our grievances to university and the government. The new theses section is the result of our memorandum also. Especially my friend Sri. Siddeek and Sri. Arun who helped me a lot for this work.

For the research I used the libraries and the resources in Kerala State Science Technology and Environment Pattom, Center for Earth Science Studies, Center for Development Studies, Land use board, economic and statistics department, Center for Development Studies, Directorate of Census operations, University college, Soil survey department, District Land revenue department Kollam, Collectorate of Kollam, Taluk Head quarters of Kunnathur, Village offices of Sasthamkotta, West Kallda, and Kunnathur. I am highly indebted to all the institution for their permission in using their library. I thank all the people of Kollam district especially the people of Sasthamkotta, Kunnathur, and West Kallda Panchayths whom I met during the data collecti0n stage. Without their help I cannot complete as such.

This theses is the manifestation of so many people it is difficult to name all of them even though some of them are un forgettable Sri Gnanapraksh Chief Cartographer of Land use board who provide me all the maps soil, geology etc. Nandu (Dr. D Nadakumar) Muralichettan (Dr. Muralikrishna) who whole heartedly supported me in doing the research. Sri Radhakrishnan sir who helped me a lot and also taught me the basics of GIS in IIITM-K techno park. I thank you all for you support. Sri Sankar sir one with all his pleasant face and jockeying talk served me lot of information regarding the wetlands of Kerala.
Meenakshi Amma of Gaia who helped me with lot of encouragement to complete this thesis, and I am also thankful to Mr. Aswin, Mis Gahana, Mis Rekha research scholar MG university.

I am deeply indebted to my father, mother and sister whenever my father feels that I am not doing it properly he will ring or meet Neelu and compel me to do the research thoroughly so as mother for that last six years all the days she will enquire what about the research Amma it is the result of your compelling. My father in law Sri. Jagal Prasad’s encouragement also helped me in finalizing the work. It is also the fruit of the encouragement of my sister, Jayasoorya, brother in law Gireeshkumar, and Madhurima. My friends Manoj, Prasad, Saju and Biji, Nisath Mohan, Devavarathan, Praveen (Research Scholar Malayalam), and Sri Muraleedharan sir are also with me to encourage. I am also thankful to my friends in GITPAC.

I am very much thankful to Sri M.R Sha whose house in Kundara was used as the base camp during the field visits. I am highly indebted to him and his family for their great help.

It was a long ambition of my child hood friends Sri Baiju (late) Sri. Praveen whose encouragement helped me to reach in this stage I owe lot on you dear friends.

I am very thankful to my roommates at Chengannur Sri. Vinod, Sri. Biju.W, and Sri.Biju who do all the favor for me during the write up stage of the theses. I am also thankful to my principal GHSSS Ala Smt. Leeladevi Amma. For granting the necessary leaves for the completion of the theses. All the staffs of GHSS Ala gave me lots of encouragement for the successful completion of the theses. I am also thankful to Sri Baiju sir, Sri Pradeeep Chandran sir for their constructive helps to do this work.

This is the fruit of my friends tear and toll especially Sekhar L.K whenever I am in logjam he will come and put new idea to carry forward the theses. Mr Santhosh K.B. me and Santhosh do all the field visits and ride almost all the villages of central and coastal areas of Kollam, and he is the main person behind all the maps it was an incredible experience. Vinod, who helped me in satellite data analyzing and population mapping. Without the help of these trios I will not able to do anything for this research. Sri Gopakumar, Suresh (CRPF), Jayan (late), Sarath have also helped me a lot in the initial data collection and field visits. Dhanya, Devu and I are highly indebted to you my dear friends and your family. I truly hope that I am able to do this work without any mistake. Any mistakes, shortcomings, in this work are solely my responsibility.