Declaration

I declare that this dissertation does not incorporate, without acknowledgment, any material previously submitted for a Degree or a Diploma in any University and to the best of my knowledge and belief, it does not contain any material previously published or written by another person or myself except where due reference is made in the text. I also hereby give consent for my dissertation, if accepted, to be made available for photocopying and for interlibrary loans, and for the title and summary to be made available to outside organization.

E.A.D.S.Edirisinghe
.....
Name of Student

Signature of Student
Date 26/01/2009

Supervised by;

Dr. Gamini Wijayarathna
.....
Name of Supervisor

Signature of Supervisor
Date 26/01/2009

Dr. G. Wijayarathna
Senior Lecturer
Department of Industrial Management
University of Kelaniya
Kelaniya

Acknowledgements

I especially wish to place on record my sincere thanks to my project supervisor Dr. Gamini Wijayarathna for his insightful guidance and commitments and hearties helpful extended towards the successful and completion of this project.

I wish to pay my thanks to my colleagues Hiranthi, Roshan, Nuwan, Chanaka, Senaka, & Manori for giving me their expertise knowledge in various topics. And I wish to pay my special thank to Anuradha for supporting me providing background facilities of supplying a laptop for an unlimited period and giving transport facilities when I wanted, during the preparation of the project. Then I would like to pay thank to other friends not mentioned namely here.

I wish to pay my thanks to the Head and the staff of Research & Planning Unit of *Department of Inland Revenue for providing me leisure time to fulfil my project* events.

And I would like to thank my friends Premathilaka, Manathunga, Uditha and Inoka who encouraged me on background knowledge of the Department, to do this project. And my special thank must be gone to my mother & sister who have been supporting me to achieve my goals, preparing me leisure time when they have lost my fathers help during the reading period of the degree.

My heartiest thank must be delivered to my father for encouraging me to fulfil MSc degree when he was in a bad health situation, if I lost his advises before the project starts.

Finally, I would like to thank all the M.Sc. program lecturers who lectured me during the course.

Table of Content

Chapter 4 - Using technologies expanding IPS-IRD

Chapter 5 - Analysis & design

Chapter 6 – Implementation

Chapter 7 – Evaluation & testing

Chapter 8 – Conclusion & further works

List of Figures

List of Tables

Data Dictionary

Term	Type	Purpose
Commissioner General of Inland Revenue	Actor	The head of the department
Deputy Commissioner	Actor	The head of a branch
Senior Assessor (Officer incharge)	Actor	Most senior Assessor in a branch
Assessors	Actor	Officer
Tax Officers	Actor	Officer
IRD	Abbreviation	Inland Revenue Department
IPS-IRD	Abbreviation	Information Processing System for Inland Revenue Department
RMV	Abbreviation	Registration of Motor Vehicles
OOAD	Abbreviation	Object Oriented Analysis and Design
UML	Abbreviation	Unified Modelling Language
OOA	Abbreviation	Object Oriented Analysis
OOD	Abbreviation	Object Oriented Design
SSADM	Abbreviation	Structured System Analysis and Design Methodology
LAN	Abbreviation	Local Area Network
SRS	Abbreviation	Software Requirement Specification
DBMS	Abbreviation	Data Base Management System
GPL	Abbreviation	General Public Licence
PC	Abbreviation	Personal Computer
ERM	Abbreviation	Entity Relationship Model
ER	Abbreviation	Entity Relationship
GUI	Abbreviation	Graphical User Interface