

INDUSTRIAL TRAINING REPORT

BY

CHONG SHU YAW

Project Paper Submitted in Partial Fulfillment of the Requirement for the
Degree of Master of Information Technology

Open University Malaysia (OUM) - Université de La Rochelle (ULR)

Digital Library OUM

2007



0027844

PERPUSTAKAAN DIGITAL TAN SRI DR ABDULLAH SANUSI
OPEN UNIVERSITY MALAYSIA

Table of Contents

	page
1. INTRODUCTION	5
1.1 Company Profile	5
1.2 Business Activities	5
2. ACTIVITIES UNDERTAKEN	6
2.1 Project Proposal for Halal Food Traceability Project	7
2.1.1 Radio Frequency Identification (RFID)	7
2.1.2 RFID Origin	7
2.1.3 RFID System	8
2.1.4 RFID Function	8
2.1.5 RFID Antennas	9
2.1.6 RFID Readers	9
2.1.7 RFID Tags	9
2.1.8 RFID Frequencies	10
2.1.9 Advantages of RFID	11
2.1.10 RFID Applications	12
2.1.11 RFID Market in Malaysia	13
2.1.12 RFID Adoption	14
2.1.13 Blood Banks Testing RFID System	15
2.1.14 RFID to Catch Timber Thief Plan	15
2.1.15 EPCglobal Network	17
2.1.16 Malaysian Microchip (MM Chip)	18
2.1.17 Halal Issue and Traceability System	18
2.1.18 Halal Conformance	19
2.1.19 Halal Industry	19
2.1.19.1 Abattoirs & Slaughterhouses	20
2.1.19.2 Processing Plants	20
2.1.19.3 Outlets (Butchers, Restaurants, Takeaways etc)	20
2.1.19.4 Certification	20
2.1.20 Slaughtering	20
2.1.21 Place of Slaughter	20
2.1.22 Animals to be Slaughtered	21
2.1.23 Slaughterer	21
2.1.24 Slaughtering Lines, Tools and Utensils	21
2.1.25 Procedures	22
2.1.26 Scalding	22
2.1.27 Stunning	22
2.1.28 Inspection	22
2.1.29 Product Manufacturing, Processing, Handling, Storage, Transportation and Distribution	23
2.1.30 Devices, Utensils, Machines and Processing Aids	24
2.1.31 Product Storage, Display and Servings	24
2.1.32 Hygiene, Sanitation, Sanitization and Food Safety	24
2.1.33 Packaging	25

2.2	Seminars	26
2.2.1	Mobile Technology Seminar	27
2.2.2	Information Security Management System (ISMS)	29
2.2.2.1	What is Information Security?	29
2.2.2.2	What is Information Security Management System (ISMS)?	29
2.2.2.3	Risk Management Process	29
2.2.2.4	OCTAVE Assessment and Planning Technique	29
2.2.2.5	Overview of ISO 27001	31
2.2.3	Payment Card Industry Data Security Standard (PCI-DSS)	32
2.2.3.1	PCI-DSS Defined	32
2.2.3.2	Credit Card Fraud in Malaysia	33
2.2.3.3	Current Trends	33
2.2.3.4	PCI Data Security Standard	33
2.2.3.5	Why is PCI Compliance Important to an Organization's Business?	34
2.2.4	iGovernment for eServices Seminar	34
2.2.4.1	Highlights of National Policy Objectives for the Communications and Multimedia Industry	35
2.2.4.2	MyICMS 886 Strategy	36
2.2.4.3	MyICMS: Opportunities for Sabah	37
2.2.4.4	MSC Malaysia (formerly known as the Multimedia Super Corridor)	39
2.2.4.5	The MSC Malaysia Vision: 1996-2020	39
2.2.4.6	Infra- and Infostructure	40
2.2.4.7	Success Factors	40
2.2.4.8	Top MSC Malaysia Initiatives and Flagship Applications	41
2.2.4.9	MSC Malaysia National Rollout	41
2.2.4.10	MSC Malaysia Phase 1 (1996-2003)	42
2.2.4.11	MSC Malaysia Next Leap (2004-2010)	43
2.2.4.12	MSC Malaysia Phase 3 (2011-2020)	43
2.2.4.13	MSC Malaysia Cybercity and Cybercentre Status	43
3.	CONCLUSIONS	47
4.	ACKNOWLEDGEMENT	49
5.	REFERENCES	50
6.	APPENDIX I: Proposal on <i>Halal</i> Traceability Study on Sabah Agro-Based Products	52

I. INTRODUCTION

The industrial training was carried out at IDS Infotech Sdn. Bhd., a subsidiary company of the Institute for Development Studies (Sabah), which is located at Kota Kinabalu, in the State of Sabah, Malaysia. The training was for a five-month period beginning in February 2007 and ending in July 2007.

The industrial training was to fulfil the partial requirement for the Master Program in Information Technology (IT), University of La Rochelle (ULR), in partnership with Open University Malaysia (OUM).

The ULR representative in Malaysia and the person in charge of the program is Prof. Dr. Patrice Boursier.

This report contains activities undertaken/participated, meetings and seminars attended, experiences gained as well as observations made during the training.

1.1 Company Profile

IDS Infotech Sdn. Bhd was incorporated on 2nd March 1995 under the Companies Act, 1965.

The objectives for which the company is established are:

1. To acquire, develop, sell, lease, transfer, exchange and promote the usage of information technology and telecommunication technology.
2. To provide training, organize and conduct courses, seminars and exhibitions and undertake research in information technology and telecommunication technology.
3. To carry on business as consultants in information technology and telecommunication technology.
4. To invest, purchase and enter joint-venture in the development of information technology and telecommunication technology and to obtain and grant patents, license, permit, authority, rights, lease or hire for the usage of information technology and telecommunication technology.

Aside from its day-to-day business operations, IDS Infotech Sdn. Bhd also provides technical support to the Institute for Development Studies (Sabah), a policy research institute of the Sabah State Government.

1.2 Business Activities

The services provided by IDS Infotech Sdn. Bhd in this respect include the following:

- trouble shooting