

CURRICULUM VITAE (SITI HAJAR OTHMAN)

A. PERSONAL INFORMATION

Identity Card Number : 771027086074
Marital Status : Married
Nationality : Malaysian
Religion : Islam
Race : Malay
Date of Birth : 27 October 1977
Place of Birth : Taiping, Perak, MALAYSIA
Languages : Malay Language and English



B. EDUCATION

2009-2012 **Doctor of Philosophy (Informatics)** (University of Wollongong, AUSTRALIA)
Theses: *Metamodelling Approach for Managing Disaster Management Knowledge*
Research Area: Conceptual Modelling, Metamodelling, Disaster Management.

2001-2002 **MASTER of Science (Computer Science - Real Time Software Engineering)**
(Universiti Teknologi Malaysia, MALAYSIA)
Subject: [Programming Techniques 1&2, Real Time System, Specification and Design 1&2, Science and Development Philosophy, Professional Training 1 (3 months) & Professional Training 2 (6 months), Project 1, Project 2 (Real Time Software), Management and Configuration, Quality and Integration, Seminar on Development And Global Issues, Science and Development Philosophy]

1997-2000 **BACHELOR of Science (Computer Science - Majoring in Computer System)**
(Universiti Teknologi Malaysia, MALAYSIA)
Subject: [Computer Architecture 2, Management Information System, Artificial Intelligence, Operating System, Compiler Design, Computer Network, Practical, Microprocessor, Information System Project Management, Software Engineering, Object Oriented Programming, Computer and Data Security, Project 1&2, Computer System Special Topics, Introduction To International Relations, Introduction To International Relation, The Integration of Science & Revelation, Technocrat and Development]

1995-1997 **DIPLOMA/INTEGRATED in Computer Science**
(Universiti Teknologi Malaysia, MALAYSIA)
Subject : [Mathematics, Physics, Philosophy of Science, English Language, Thinking and Communication Skills, Programming Techniques 1&2, Introduction To Syariah and Law, Malaysian Society, Computer Architecture 1, Probability and Statistics, Principles of Economics, Theology and Science, Moral and Personality (Camp), Data Structure, System Software, Calculus, Malaysian Politic and Nationhood, English Language III/IV, Man Machine Interface, Design & Analysis Methods, Numerical & Symbolic Computation, Introduction To Syariah & Jurisprudence, C Programming, Database, Database, Accounting I, Data Communication, Assembly Language]

1993-1994 **Tuanku Jaafar Science School, Kuala Pilah, Negeri Sembilan, MALAYSIA**
1992 **Taman Tasik Secondary School, Ampang, Selangor, MALAYSIA**

C. POSITION HELD

Position held at the Department of Computer Science, Faculty of Computing, UTM Johor Bharu

- 24 Oct 2003 till now as Lecturer
- Dec 2008 – Dec 2011 as PhD Research Student (Study Leave) at University of Wollongong, Australia)

- July 2000 – June 2001 as Tutor

D. TEACHING EXPERIENCE

(POSTGRADUATE SUBJECTS)

- 1) Disaster Recovery (2012/2013 (II))
- 2) Concurrency and Concurrent Programming (2005/2006 (I))
- 3) Real Time System (2005/2006 (II))
- 4) Information Management Security (2012,2013(I), 2013/2014(I))
- 5) Research Methodology for Information Security Master student (2012,2013(I))
- 6) Business Continuity Planning (Master) – Incoming semester

(UNDERGRADUATE SUBJECTS)

- 1) Network & Security Project I (2012/2013 (2))
- 2) Introduction To Computer (2003/2004 (I))
- 3) Assembly Language and Computer Organization (2005/2006 (II), 2006/2007 (II))
- 4) System Software (OS, UNIX) (2005/2006 (I), 2007/2008 (II))
- 5) Operating System (2003/2004 (I))
- 6) Computer Sys. Special Topic (Concurrency & Concurrent Programming) (2004/2005 (II))
- 7) Basic of Engineering Computing (C Programming) (2004/2005 (I))
- 8) Digital Logic (2005/2006 (I), 2006/2007 (I), 2007/2008 (I), 2008/2009 (I))
- 9) Programming Technique II (C++ Programming) (2007/2008 (II))

Subjects Teach in External Program (SPACE, CASE, ATMA)

- 1) System Software
- 2) Concurrency & Concurrent Programming
- 3) Computer System Advanced Topic (Concurrent Programming)
- 4) Operating System
- 5) Digital Logic
- 6) Programming Technique I
- 7) Computer Organization & Architecture

E. RESEARCH

Research Member

- a) Member of the **Information and Security Research Group (IASRG)** under K-Economy Research Alliance, UTM (2012 till now)
- b) Former-Research Group member of the **Modeling Agents and Service Oriented Systems (MAOS)**, Faculty of Informatics, University of Wollongong, Australia (2008-2012)

Research Projects

- 1) **The Integration of Decision Support Components into the Metamodel-based Disaster Management Knowledge Repository System (DMKR) (2013-2014)** (Project Leader)
 - Potential Academic Staff Research Grant (RM20,000)
- 2) **Public Technology Awareness and Readiness Study in Disaster Management (2013-2014)** (Project Leader)
 - Research University Grant - Disaster Management Flagship (RM30,000)
- 3) **Knowledge Management Approach For Ontology Development In Flood Management (2012-2015)** (Team Member)
 - LRGS Project (as a Research Member)
Project Leader: Dr. Mohammad Nazir Ahmad, FSKSM, UTM.
Sponsored by: Ministry of Higher Education (MOHE).

Collaboration between: Universiti Utara Malaysia (UUM), Universiti Teknologi Malaysia (UTM) and Universiti Tenaga Nasional (UNITEN)

- 4) **The Extend Of Green Practices In Property Management In Malaysia (2012-2013)** (Team Member)
 - Applied Science Research (2012-2013) (as a Research Member), Project Leader: Dr. Norhaya Kamarudin (FGHT, UTM)
- 5) **PhD Research** (2008-2011) (PhD Research Student)
 - (“*Metamodelling Approach for Disaster Management Decision Support System*”) under Research Group - Modelling Agents and Service Oriented Systems, University of Wollongong, NSW, Australia. SLAB Sponsorship by Ministry of Higher Education and Universiti Teknologi Malaysia.
- 6) **Developing of ICT Knowledge Management (KM) Framework for Facilities Management Companies in Malaysia** (Jun 2005 – Jun 2007) (Researcher)
 - Type of research: Fundamental Research; Sponsor: NAPREC – National Real Estate Research Coordinator, Amount: RM145,000.
- 7) **Developing of ICT Management Framework for Facilities Management Companies in Malaysia** (January 2004 – January 2006) (Researcher)
 - Type of research: Fundamental Research; Sponsor: KUiTTHO, Project Leader: Mr. Muhammad Najib Mohamed Razali, Amount: RM48,500. Sector: Social; Description: To analyze the performance of ICT in facilities management companies and develop a framework specifically in infrastructure aspects to enhance their capabilities towards a world class company.
- 8) **English Courseware for Civil Engineering Student** (May 2000) (Researcher)
 - Type of research: Fundamental Research; Sector: Social; Description: Development of a courseware for teaching English specializes for student of civil engineering.
- 9) **The Development of a Virtual Environment Computer Supported Co-Operative Work (CSCW) of English Communication Skills** (9.11.2000 – 9.4.2002) (Researcher)
 - Sponsored by: IRPA Grant, Government of Malaysia; Description: A study on computer supported co-operative work and collaborative process for English communication skills.
- 10) **Development of a Prototype Computer Integrated Manufacturing (CIM) System at UTM** (Vot No: 72091) (March 1998) (Researcher),
 - Sponsored by: IRPA Grant, Govt. of Malaysia; Description: Development of a model and automated prototype computer integrated manufacturing system used by Faculty of Mechanical Engineering.

F. PUBLICATIONS/PRESENTATIONS

INVITED PRESENTATION:

- 1) Presentation Title: “*Metamodelling Approach Towards Managing Disaster Management Knowledge*” at the Social Computing and Cultural Modelling (**SCCM 2011**) Conference, March 2011, Chiang Mai, Thailand. Funding sponsored by a National Electronics and Computer Technology Center (NECTEC), Thailand, and the Office of Naval Research (ONR) Global (Japanese).

EDITORIAL BOARD:

- 1) **ACIS 2011** (The 22nd Australasian Conference on Information Systems), Sydney, Australia (Track: IS and Service-based Systems Track)

PAPER REVIEWER (Conference):

- 1) **PACIS 2011** (The 15th Pacific Asia Conference on Information Systems), Brisbane, Australia (reviewed **1 paper**)
- 2) **WETICE 2011** (The 20th IEEE International Conference Collaboration Technologies and Infrastructures) Track: Collaborative Technology for Coordinating Crisis Management (*CT2CM*), France (reviewed **2 papers**)
- 3) **PKAW 2012** (The 2012 Pacific Rim Knowledge Acquisition Workshop), Kuching, Sarawak (reviewed **2 papers**)

MANUSCRIPT REVIEWER (Book Chapter):

- 1) Book Chapter of *The Ontology-based Applications for Enterprise Systems and Knowledge Management*, IGI Global, (2011) (reviewed **1 paper**)

JOURNALS:

- 1) **Othman S.H** and Beydoun. G. (2012) “*Model-driven Disaster Management*” accepted for publication in the *Information and Management Elsevier* journal. (Impact Factor: 2.214)
- 2) **Othman S.H** and Beydoun. G. “*A Development and Validation of a Disaster Management Metamodel*” submitted to the *Knowledge and Information System (KAIS)*, Springer (under second round of review)
- 3) **Othman S.H** and Beydoun. G. “*Metamodelling Disaster Management Knowledge*” submitted to the *Information Processing & Management (IPM)*, Elsevier (under review)

CONFERENCE PAPER & PROCEEDINGS:

- 1) **Othman S.H** and Beydoun. G. (2012), “*Evaluating Disaster Management Knowledge Model by Using a Frequency-Based Selection technique*” in *The 2012 Pacific Rim Knowledge Acquisition Workshop*, Kuching, Sarawak.
- 2) **Othman S.H** and Beydoun. G. (2010) “*Metamodelling Approach Towards A Disaster Management Decision Support System*”, *Lecture Notes in Computer Science (LNCS) in Artificial Intelligence and Soft Computing*, Volume 6114/2010, 614-621, DOI: 10.1007/978-3-642-13232-2_75.
- 3) **Othman S.H** and Beydoun. G. (2010). “*A Disaster Management Metamodel (DMM) Validated*”. In *Proceedings of the 11th International Conference on Knowledge Management and Acquisition for Smart Systems and Services (PKAW'10)*, Byeong-Ho Kang and Debbie Richards (Eds.). Springer-Verlag, Berlin, Heidelberg, 111-125. ISBN: 978-3-642-15036-4.
- 4) **Othman S.H** and Beydoun. G. (2010). “*Metamodel-Based Decision Support System for Disaster Management*” in the *5th International Conference on Software and Data Technologies (ICSOFTE 2010)*, July 2010, Athens, Greece.
- 5) **Othman S.H** and Beydoun. G. (2010), “*Metamodelling Approach to Support Disaster Management Knowledge Sharing*” in the *21st Australasian Conference on Information Systems (ACIS 2010 Proceedings)*, Paper 97, Brisbane, Australia. (URL: <http://aisel.aisnet.org/acis2010/97>)
- 6) Mohd Razali, Muhammad Najib, Ali, N. Mat and **Othman, S. H.** (2010), “*The information & communication technology management framework for facilities management business in Malaysia*”. In: *1st International Borneo Business Conference*, 9-11 December 2010, Sutera Harbour Resort, Kota Kinabalu, Sabah
- 7) **Siti Hajar Othman**, Mazura Mat Din, Mohd Fahmi Mokhtar ”*InSIST : Integrated Student Information and Tracking System*”, *19th Education Technology Convention (KTP-19)*, Awana Golf Resort, Langkawi, MALAYSIA, Date : 9 – 11 September 2006
- 8) M.N. Razali, D.M. Juanil, **S.H. Othman**, “*A model for knowledge management strategy: an application in real estate*”, (2006).
- 9) Najib Razali, **Siti Hajar Othman** “*The Design of Best Practice Framework in ICT Concept in Facilities Management*” *IBMC 2004 – International Business Management Conference*, Hyatt Regency Hotel, Kuantan, Pahang, Date : 6 – 7 December 2004
- 10) Muhammad Najib Razali, **Siti Hajar Othman** “*The ICT Management Framework for Facilities Management Business in Malaysia*”, *IBBC 2004 – International Borneo Business Conference*, Sutera Harbour Resort, Kota Kinabalu, Sabah, Date : 9-11 December 2004

- 11) **Siti Hajar Othman**, Shamsul Shahibuddin, ”*Subject Registration System Using Client Server, Internet and Legacy System*”, MSTC 2000, Genting Highland, Date : 7 – 9 November 2000

THESES

- 1) **(PhD) Siti Hajar Othman**, “*Metamodelling Approach for Managing Disaster Management Knowledge*”. Doctor of Philosophy (PhD), University of Wollongong, Australia, 2012.
- 2) **(Master) Siti Hajar Othman**, “*Software Development of ISO Document Tracking System (IDTS) For Consultancy Unit, Bureau of Innovation and Consultancy, UTM Skudai*”. Master of Science (Real Time Software Engineering), 2002.
- 3) **(Bachelor Degree) Siti Hajar Othman**, “*Capaian dan Integrasi Sistem Legasi Dengan Menggunakan Teknologi Internet dan Pelanggan Pelayan (Integration of Legacy System By Using a Internet and Client Server Technology)*”. Bachelor of Science (Computer Science), 2000.

BOOK CHAPTERS:

- 1) **Othman S.H** and Beydoun. G. (2010) “*Metamodelling Approach Towards A Disaster Management Decision Support System*”, Lecture Notes in Computer Science (LNCS) in Artificial Intelligence and Soft Computing, Vol: 6114/2010, pp. 614-621, DOI: 10.1007/978-3-642-13232-2_75
- 2) **Othman S.H** and Beydoun. G. (2010). “*A Disaster Management Metamodel (DMM) Validated*”. In Proceedings of the 11th International Conference on Knowledge Management and Acquisition for Smart Systems and Services (PKAW'10), Byeong-Ho Kang and Debbie Richards (Eds.). Springer-Verlag, Berlin, Heidelberg, pp.111-125. ISBN: 978-3-642-15036-4.
- 3) **Othman S.H** and Beydoun. G. (2010). “*Evaluating Disaster Management Knowledge Model by Using a Frequency-Based Selection Technique*” Lecture Notes in Computer Science (LNCS) 2012, Vol: 7457/2012, Knowledge Management and Acquisition for Intelligent System, pp. 12-27, DOI: 10.1007/978-3-642-32541-0_2.
- 4) **Othman, S. H.** (2013). *Supporting Domain Ontology through a Metamodel: A Disaster Management Case Study*. In M. Nazir Ahmad, R. Colomb, & M. Abdullah (Eds.), *Ontology-Based Applications for Enterprise Systems and Knowledge Management* (pp. 191-209). Hershey, PA: Information Science Reference. doi:10.4018/978-1-4666-1993-7.ch011

BOOKS:

- 1) “*Buku Panduan Latihan Praktik FSKSM*”(2007), Norazah Yusof, **Siti Hajar Othman**, Nik Isrozaidi, Nazmona Mat Ali, Noranita Fairros, Sazali Manaf, Haswadi, Suraya Miskon, Zuraini Ali Shah, Johan Mohamed Sharif, Razana Alwee

REPORTS

- 1) Report on “*Issues on College Student’s Academic Performance*”, **Siti Hajar Othman**, Asniza Murad, Hafizah Ngajikin, Kursus Induksi Felo (2003)
- 2) Report on “*Case Study on The Needs of Expertise and Knowledge For Current Jobs Market for Computer Science Student*”, **Siti Hajar Othman**, Maheyzah Md Siraj, FSKSM UTM. (2001)

POSTER PRESENTATION

- 1) **Siti Hajar Othman** (October 2009) “*A Decision Support System For Disaster Management Through Disaster Management Metamodel*” at Postgraduate Student Research Poster Presentation, Faculty Trade Show, University of Wollongong, Australia

G. SUPERVISION

a. PhD Student

- 1) DOAA SALEH ABOBAKR BARAS (Sep 2012 – Sep 2015), (ongoing)
– *A Decision-based Information Security Metamodel*
- 2) EHAB AZHARY SEED AHMED MOHAMMED SALIH (2013), (ongoing)

- *Process Improvement Methods in Healthcare from Ontology Perspective*
- 3) MUTLAQ HAMOUD M ALSUBAIE (2013-2016), (ongoing)
 - *Cardiology Research*

b. Master Student

2012

- 1) HUSSEIN AHMED HASHI (Master – 2012) (Completed)
 - *A Development of Metamodel of a Physical Security Asset Protection*
- 2) MOHAMMED SALEM MOHAMMED BAMUQABEL (Master - 2012) (Completed)
 - *A Development of a Security Risk Management Metamodel*
- 3) FATEMEH SABAGHI (Master - 2012) (Completed)
 - *A Development of a Security Risk Management Metamodel*
- 4) ALHAJI SULEIMAN (Master – 2012)
 - *A Secure Electronic e-Health Records Framework for Developing Country*
- 5) ALI SAIFULLAH JASMY (Master – 2012-2013)
 - *Unifying Cloud Computing Model through Metamodelling Approach*
- 6) WADZANI ADUWAMAI GADZAMA (Master - 2012-2013)
 - *A Proposed Information Security Program Framework for Schools in Nigeria*
- 7) HUSSEIN YUSUF SHEIKH ALI (Master: 2013)
 - *Requirement Factors in Developing A Disaster Recovery Planning for IT-based organizations*
- 8) ABUBAKR MOHAMMED (Master - 2012-2013)
 - *Premium Pension Nigeria Limited (PPNL) Incident Response Process Framework*

c. Undergraduate Student

2008

- 1) SITI NORIDA BT NORDIN - *Penjagaan Kesihatan Ibu Mengandung Secara Online*
- 2) TAN CHI XIANG – *Sistem Pemantauan Pemakanan Pesakit di hospital Berasaskan Web dan PDS (Collaborative Patient Dietetic Monitoring System)*
- 3) KHOO SONG CHING – *Sistem Peringatan Penerimaan Rawatan Susulan Kepada Pesakit Jantung Secara Automatik Menggunakan Teknologi SMS*
- 4) MUHAMMAD SHAKIRIN BIN NASUREDIN – *Sistem Pamantauan Anak-anak di Tadika Iman Menggunakan SMS*
- 5) KEW YUH WOEI – *Sistem Harta Tanah secara Online bagi Daerah Skudai*
- 6) LIM BENG CHONG – *Inverter Quality Control Center Centralized Remote Control System*
- 7) YEONG CHAN KAI – *Sistem Pengurusan Cukai Jalan dan Insurans secara atas talian bersama kemudahan peringatan SMS*
- 8) CHIA BENG SIANG – *Sistem Pengurusan Kelulusan Pelan Bangunan bagi MPJBT (e-BuildingPlan) melalui web dan PDA*
- 9) LOW MING WEE – *Sistem Pemberitahuan Pengemaskinian Maklumat e-Learning menerusi web dan SMS*
- 10) LAU JIEN TSUN – *Sistem Pemberitahuan Jualan murah di JUSCO melalui penghantaran SMS dan paparan barangan jualan murah secara PDA*
- 11) CHEW TSYR CHURN – *Sistem Penempahan Makanan Secara Online dan menggunakan PDA (eFood Online)*
- 12) CHIN WEE LIP – *Sistem Tempahan Makanan di restoran dengan menggunakan PDA dan WiFi*

2007

- 1) LIM PEI GEOK – *Sistem e-COM Berasaskan Web bagi Syarikat ComTech Menggunakan JAVA*
- 2) LEE CHEE LING – *Sistem Permudahan Ungkapan Logik Secara Atas Talian*
- 3) SIVAPRAKASH A/L VELUPILLAI – *Aplikasi Penghantaran Mesej berasaskan Pengecaman Suara bagi Sekolah pendidikan Khas menggunakan VB.Net*
- 4) AHMAD FAIRUZ BIN AHMAD – *Sistem Prekodon Maklumat Poliklinik Sucinas Berdasarkan Pengecaman Cap Jari*

2006

- 1) AHMAD HASREE BIN ABU SAMAH – *Integasi Teknik Penyulitan dan pemampatan Fail terhadap Aplikasi Mel Elektronik*
- 2) MUHAMAD HAMDY BIN ZAINAL ABIDIN – *Aplikasi Keselamatan SMS*
- 3) NUR DIYANA HJ MOHD ALKAFF – *Sistem Maklumat Pengurusan Panggung Wayang MBO Cinema Berasaskan Web(CINEMIS)*
- 4) FAZRUL AZFAR BIN ABU SAID – *Aplikasi Pengurusan Masa dan Pengajian Kuliah Berasaskan Pembantu Peribadi Digital*
- 5) NORLYDAWATI DZULKIFLI – *Sistem pengurusan Ibu-ibu Hamil Berasaskan Web (ePregancy)*
- 6) ROHAIDA ISMAIL – *Sistem Semakan dan Penjadualan Doktor di Poliklinik Menggunakan web dan PDA*
- 7) SITI AISHAH ISHAK – *Pengiklanan Katalog Perniagaan Berasaskan Web Menggunakan JSP*
- 8) LIEW YUH FANG – *Simulasi Pengurusan Ingatan Secara Atas Talian*
- 9) MUHAMMAD NAEIM ISHAK – *Sistem pengurusan Unit Basiswa Pelajar UTM Berasaskan Web*
- 10) NURAFIFAH HAMDAN – *Sistem Tempahan Pengangkutan Muatan atas talian Norneo Kurnia Sdn Bhd*
- 11) NURUL IZZAHTI MUSA – *Sistem Penganalisaan Prestasi Akademik Bagi Sekolah Menengah Kebangsaan Taman Tuanku Jaafar Dan Kolej Tunku Kurshiah Secara Atas Talian Berasaskan JSP*
- 12) IRDA ROSLAN – *Sistem Zakat Masjid Sultan Ismail (MSI), UTM Secara Online*
- 13) SITI AMANINA ZAKARIA

2005

- 1) LEE HWEE LI - *Implementasi Simulasi Kebuntuan dalam Sistem Komuter secara Atas Talian*
- 2) ANIS MASTURA BINTI AZIZAN - *Sistem Pengurusan Peperiksaan POLIMAS Berasaskan Web (SISMAP)*
- 3) BEH SIAU HAN - *Sistem Pintar Tempat Letak Kenderaan FSKSM*
- 4) CHEOK LAM HUAT - *Aplikasi CSCL: Kumpulan Bestari Atas Talian FSKSM dengan Teknologi ASP.NET*
- 5) ROBIN WONG YEEN FATT - *Online Auction System with Encryption*
- 6) NORISMAH BINTI ISMAIL– *Hartanah Elektronik Bagi Proses Pembelian Dan Penyewaan Premis Di Taman Universiti*
- 7) ZAISYA BINTI ABU BAKAR - *Sistem Pengurusan Dokumen Berasaskan web bagi FSKSM*
- 8) ROZALIAH BINTI HASSAN - *Sistem Pengurusan dan Pentadbiran Asrama (Kolej 13)*
- 9) EMILIA SARUWAN – *Pembelajaran Bertutur Di Dalam Bahasa Inggeris Berasaskan Talian Kepada Pelajar Sekolah Rendah*
- 10) ROBIN WONG YEEN FATT – *Online Auction System with Enhance Security Using Encryption and SSL*
- 11) WONG PEI CHI - *Sistem Saman Lalu Lintas Bagi Pihak JPJ Berasaskan Aplikasi Web Mobile.*

2004

- 1) KHANSA ZULKIFLEE – *Pembangunan Aplikasi Berasaskan Web Simulator Penjadualan CPU Berasaskan Applet JAVA*
- 2) MAH SIEW MEI – *Sistem Pengurusan Masa dan Kedatangan Dengan Pengecaman Cap Jari*
- 3) NGOH CHEE SHONG – *Sistem peperiksaan Atas Talian*
- 4) TEO SHEE CHIU – *Sistem Pembayaran Cukai Pendapatan Individu Melalui Internet*
- 5) MU'ZAIYAH MAZLAN – *Web Mesej Dalam Komuniti*
- 6) SYED MUHAMMAD SUFFIAN SYED TAHIR - *E-Kerja Secara Atas Talian (Untuk Unit Pembangunan Dan Sokongan Pelajar, UPSP) (Universiti Teknologi Malaysia).*
- 7) SYADIAH HAJI ABDUL WAHAB

- 8) WAN MARLINA FAIRUZILA WAN KAMARUDDIN - *Sistem Pemantauan Penasihat Akademik*

External Supervision (Institut Teknologi Tinggi Kulim, Kedah)

- 1) SHARIFAH AFIFAH SYED HASHIM
- 2) SITI NORNISSA ILYANA ABD MURAH
- 3) JOHN PAUL A/L FRANCIS BANGIRAN

H. CONSULTANCY WORKS

- 1) Project Title: *“Upgrading of Fleetwork Trainer (FWT), Gun Aimer (GAT) & Blind Pilotage Trainer (BPT) – Simulator at KD Pelandok, Lumut”* (2003)
Vot Number: 63150
Client: Malaysian Royal Navy (TLDM)
Project Leader: Associate Professor Dr. Mohd Amin Alias (FKE, UTM)
Position: Practical trainee involved in the project at BIP
- 2) Project Title: *“Penyusunan Semula IKBN”* (2003)
Vot Number: 63158
Client: Ministry of Youth & Sport Malaysia.
Project Leader: Associate Professor Amran Md. Rasli (BIP, UTM)
Position: Practical trainee involved in the project at BIP
- 3) *“Feasibility Study on Development of E-Campus By Using Unix Platform”*
Client: AURA Technology Sdn Bhd. (2003)
- 4) *“Development of an ISO Document Tracking System for Consultancy Unit, Bureau of Innovation, UTM Skudai”* (2002).

I. ADMINISTRATION

- 1) Coordinator of Final Year Project Committee, Faculty of Computing (2012-till now)
- 2) Coordinator for SCSR (Bachelor in Computer Network & Security) for SPACE External Program, UTM Skudai (2012-till now)
- 3) Committee of Undergraduate Final Project, CSC Department (2005/2006)
- 4) Fellow Committee of Motivation Course 2004. (7 and 26 June 2004) UTM Skudai.
- 5) Committee of FSKSM Practical Training Committee (1 Jan 2003 – 1 Jan 2004)
- 6) Committee of Office Automation CSC Department (2003/2004)
- 7) Committee of Institute of Higher Learning (IHL) Quality Assurance Documentation IPTA – FSKSM (2003)
- 8) FSKSM Academic Advisor (Dec 2002 – till now)
- 9) Student Motivation Program (29 Dec 2002, N24, UTM Skudai. Organized by: FSKSM Academic Advisor Committee)
- 10) Fellow at College 12 (K12 - now is known as Datin Seri Endon College).
 - Blok WA2 and WA3’s Fellow
 - Advisor of K12 Computer Club

J. SEMINARS/CONFERENCE ATTENDED

*** (PhD Conference/Seminar/Workshop):**

- **SCCM 2011** (The Social Computing and Cultural Modelling)
 - (Invited Speaker *“Metamodelling Approach Towards Managing Disaster Management (DM) Knowledge”*); on 1-4 March 2011, Chiang Mai, THAILAND.
- **ACIS 2010** (The 21st Australasian Conference on Information Systems)
 - (Paper Presenter *”Metamodelling Approach To Support Disaster Management Knowledge Sharing”*); on 1-3 December 2010, Brisbane, AUSTRALIA
- **PKAW 2010** (The 11th International Workshop on Knowledge Management and Acquisition for Smart Systems and Services)
 - (Paper Presenter *“A Disaster Management Metamodel (DMM) Validated”*); on 30 August - 3 September, 2010, Daegu, SOUTH KOREA
- **ICSOFT 2010** (5th International Conference on Software and Data Technologies)

- (Paper Presenter “*Metamodel-Based Decision Support System for Disaster Management*”); on 22-24 July 2010, Athens, GREECE.
- **ICAISC 2010** (The 10th International Conference on Artificial Intelligence and Soft Computing)
 - (Paper Presenter “*Metamodelling Approach towards a Disaster Management Decision Support System*”); on 13-17 June 2010, Zakopane, POLAND.
- **PKAW 2012** (The 2012 Pacific Rim Knowledge Acquisition Workshop)
 - (Paper Presenter “*Evaluating Disaster Management Knowledge Model by Using a Frequency-Based Selection Technique*”); on 3 - 5 September, 2012, Kuching, MALAYSIA.
- **SISAT School Series of Colloquium (2010)**
 - (Presenter: **Siti Hajar Othman**; Title: “*Metamodel Validation Techniques*”); on 14 August 2010, at Meeting Room, Building 39a, Faculty of Informatics, University of Wollongong.
- **SISAT School Series of Colloquium (2011)**
 - (Presenter: **Siti Hajar Othman**; Title: “*Disaster Management (DM) Knowledge Modelling: An Instantiation of DM Models From DM Metamodel*”); on 28 July 2011, at Meeting Room, Building 39a, Faculty of Informatics, University of Wollongong.
- **SISAT School Series of Colloquium (2011)**
 - (Presenter: **Siti Hajar Othman**; Title: “*The Prototype system of a Metamodel-based Disaster Management Knowledge Repository*”; on December 2011, at Meeting Room, Building 39a, Faculty of Informatics, University of Wollongong.
- **tACT 2006** (Expo on the Art of Computing Technology 2006)
 - Treasurer ; Date : 19 Jan 2006 – 22 Jan 2006, Venue : Dewan Sultan Iskandar, UTM, Skudai, Johor, MALAYSIA
- **PARS 2005** – Postgraduate Annual Research Seminar.
 - Chairperson; Date : 17 – 18 December 2005, Venue : Seminar Room D07, FSKSM, UTM
- **BIC 2005** – First International Symposium On Bio-Inspired Computing
 - Protocol Committee, Participant ; Date : 5-7 September 2005, Venue : Puteri Pan Pacific Hotel, Johor Bahru, Malaysia, MALAYSIA
- **MADICT 2004** – Country ICT Education Conference 2004,
 - Protocol Committee and Rappoteur (*Trek 6 : Development of ICT Knowledge*) ; Organized By Faculty of Computer Science and Information System, UTM Skudai, Johor, MALAYSIA; Date : 20-21 May 2004; Venue : UTM Skudai and Pan Pacific Hotel, Johor Bahru, MALAYSIA
- **IBBC 2004** – International Borneo Business Conference,
 - Paper Title : *The ICT Management Framework for Facilities Management Business in Malaysia* ; Date : 9-11 December 2004; Venue : Sutera Harbour Resort, Kota Kinabalu, Sabah, MALAYSIA
- **IBMC 2004** – International Business Management Conference,
 - Paper Title : *The Design of Best Practice Framework in ICT Concept in Facilities Management* ; Date : 6 – 7 December 2004; Venue : Hyatt Regency Hotel, Kuantan, Pahang, MALAYSIA
- **CISAR 2003** – Conference On Intelligent Systems an Robotics,
 - Participant, Organized by Intelligent Systems and Robotics Laboratory, Inst Of Advanced Tech. UPM Serdang, Date : 13-14 Mei 2003; Venue : Putrajaya Marriott Hotel, IOI Resort, MALAYSIA
- **MSTC 2003** – Malaysian Science And Technology Congress 2003,
 - (Poster Presentation), Organized By Confederations Of Scientific and Technological Associations in Malaysia (COSTAM), Date : 23 – 25 September 2003; Venue : Mid Valley Kuala Lumpur, MALAYSIA
- **MSTC 2000** – Malaysian Science And Technology Congress 2000,
 - (Paper Presenter) “*Subject Registration System Using Client Server And Internet Technology With An Integration To Legacy System*”; Organized By Confederation Of Scientific and Technological Associations in Malaysia (COSTAM); Date : 7 – 9 November 2000; Venue : Genting Highland, Pahang, MALAYSIA
- **KONVENSYEN PENDIDIKAN UTM (UTM EDUCATION CONVENTION) 2000**

- as Participant, Date : 14 February 2001, Venue : Dewan Sultan Iskandar, UTM, Skudai, Johor, MALAYSIA

J. COURSE ATTENDED

- 1) Kursus Sijil Pengajaran Pengajian Tinggi (SPPT) - Tahap 2 (2003 Series)
 - a. Modul D2 - “Penerapan Kemahiran Generik di Kalangan Pelajar”
 - b. Modul D3 – “Pembangunan Pelajar”
 - c. Modul F1 – “Penambahbaikan P&P Menerusi Amalan Reflektif”,
 - d. Modul F2 – “Pembinaan Portfolio”
 - e. Modul E1 – “Rekabentuk dan Pembangunan Kurikulum”
 - f. Modul E2 – “Pembelajaran Dewasa”
 - g. Modul E3 – “Amalan Jaminan Kualiti di IPTA”
- 2) Bengkel Sehari Peningkatan P&P Kepada Pensyarah Mengajar Tahun 1
- 3) Kursus “GNU Compiler Collection (GCC) in LINUX & Basic Application in LINUX
- 4) Kursus Persediaan IELTS (2007)
- 5) Bengkel Pemantapan Latihan Praktik (2007)
- 6) Bengkel Bioinformatik & Genomik (2007)
- 7) Kursus Support Vector Machine (SVM) (2007)
- 8) CISCO Networking Academy Workshop (2007)

K. WORKING EXPERIENCE

- **Lecturer (Oct 2003 – till NOW)**
 - Department of Computer System & Communication (CSC), Faculty of Computer Science and Information System, UTM Skudai, Johor, MALAYSIA
- **Practical Trainee – Master Program (3 Mac 2002 – 6 September 2002)**
 - Consultancy Unit, Bureau of Innovation and Consultancy (BIP) at UTM Technovation Park, Task: Develop a system and involved in company consultancy project Blind Pilotage Trainer (Malaysian Royal Navy, Lumut)
- **Practical Trainee – Master program (27 August 2001 – 16 Nov 2001)**
 - At PERNEC Multimedia and Research Dev. Sdn Bhd, PERNEC Corporation Sdn Bhd, Ulu Kelang, Kuala Lumpur. Task: Develop a system - Interactive Voice Response System (IVR) and involved in company group work.
- **Tutor (July 2000 – further Master)**
 - Department of Computer System & Communication (SKK), Faculty of Computer Science and Information System, UTM Skudai
- **Research Assistant (RA) (Jan 1999 – Mac 1999)**
 - Faculty of Human Resource Development and Management, UTM Skudai; Project: Courseware For Student in Civil Engineering.
- **Research Assistant (RA) (Mac – April 1998)**
 - Faculty of Mechanical Engineering, UTM Skudai, Johor; IRPA Project (Development of a Prototype Computer Integrated Manufacturing (CIM) System at UTM)
- **Practical Trainee – Undergrad (Jun 1997 – Nov 1997)**
 - NARSCO Information System Sdn Bhd, Ampang, Kuala Lumpur. (Practical Student/Programmer). Task: Develop a system and involved in company group work.

L. COMPUTER KNOWLEDGE

Metamodel Development

- Meta-Edit

Ontology Development

- Protege

Operating Systems

- UNIX / LINUX/ Solaris and SunOS, Microsoft Windows, Windows NT

Programming Languages

- Assembly Language (MASM 615), Visual Basic, C / C++, Lotus Script (Lotus Notes), JAVA Programming (JBuilder), PHP.Net, ASP.Net, C#

Software Development Methodology

- Objectory Use-Case Development Methodology (Use-Case, and UML), Thomson-CSF Software Development Methodology, Formal Software Development Methodology following US-DoD-2167A Standard.

Network Professional Certificate Courses

- Cisco Certified Network Association Level 1, Cisco Learning Network
- Cisco Certified Network Association Level 2, Cisco Learning Network

DBMS Software

- Oracle SQL Server 6.5, Microsoft Access, DB2.

Application Software

- Microsoft Visio, ABEL, Microsoft Project, ENDNOTES and *etc*

Internet Application

- All Kinds of Browser (e.g. Netscape Navigator, Internet Explorer)
- All Pop3 E-mail Client (e.g. Internet Mail, Eudora, Pegasus), Microsoft FrontPage

Multimedia Application

- Flash

M. AWARDS

- A Nomination for the Best Paper Award in the 21st Australasian Conference on Information Systems (ACIS 2010), Brisbane, Australia. (an ERA Level A Conference)
- Dean's List (Excellence Academic Achievement) - Session 1 1996/1997
- Dean's List (Excellence Academic Achievement) - Session 2 1996/1997
- Dean's List (Excellence Academic Achievement) - Session 1 1997/1998
- Dean's List (Excellence Academic Achievement) - Session 2 1997/1998
- Members of Golden Key National Honor Society (*in recognition of Outstanding Scholastic and Achievement and Excellence*) 1998.
- Information Technology Award for *Industrial Training Management System, ITMS* at UTM 's Quality Day 2007 on 31 July 2007
- Awarded by the UTM/SLAB Scholarships to study a Ph.D. at University of Wollongong, Australia (2008-2012)
- Awarded by the UTM/SLAB Scholarships to study a M.Sc. degree at UTM. (2001)

N. REFEREES

a) Associate Professor Dr. Muhammad Shafie B. Abdul Latiff,

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Universiti Teknologi Malaysia, Skudai

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b) Associate Professor Dr. Ghassan Beydoun (PhD Supervisor)

Senior Lecturer, School of Information System and Technology (SISAT), Faculty of Informatics,

University of Wollongong, Australia,

Email: beydoun@uow.edu.au

Tel: +614 221 4037