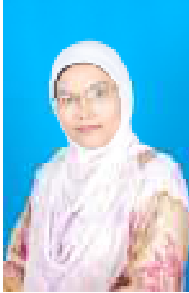


## CURRICULUM VITAE

### A. PERSONAL

- |    |   |  |   |
|----|---|--|---|
| 1. | Name  | <b>WARDAH ZAINAL ABIDIN</b>  |  |
| 2. | Gender; Marital Status  | <b>Female, married with 4 children</b>   |   |
| 3. | Nationality   | <b>Malaysian</b>   |   |
| 4. | Present Employer  | <b>Universiti Teknologi Malaysia</b>   |   |
| 5. | Address (Office)  | <b>Advanced Informatics School,<br/>Universiti Teknologi Malaysia,<br/>International Campus<br/>54100, Kuala Lumpur</b>  |   |
| 6. | Telephone Number  | <b>019-3185870</b>   |   |
| 7. | Working History   | <ol style="list-style-type: none"> <li>1. <b>Head of Department, Informatics – since 1 Aug 2010 to 31 July 2012</b></li> <li>2. <b>Associate Professor – Since April 1996</b></li> <li>3. <b>Director Information Technology Training Centre – (Jan 1995 – April 1999)</b></li> <li>4. <b>Lecturer –1/12/1986</b></li> <li>5. <b>Assistant Lecturer – 30/8/1984</b></li> </ol> |   |
| 8. | Currently pursuing PhD in Information Systems at UTM, in the area of IT Innovation in the Malaysian Higher Education Institution, under the supervision of Professor Dr. Rose Alinda Alias. |  |   |

### B. EDUCATIONAL QUALIFICATIONS

ACADEMIC QUALIFICATIONS	SPECIALISATION	YEAR	NAME AND PLACE OF STUDY	REMARKS
Masters of Science	Computer Science	1985	UTM	<b>Best Student Award – IBM World Corp. Gold Medalist</b>
Advanced Diploma	Computer Science	1982	UTM	
Bachelor of Sc (Hons)	Pharmacology	1981	UKM	First batch
Diploma in Translation	Translation	1986	PPM/DBP	<b>With Honours</b>

VOCATIONAL QUALIFICATIONS	SPECIALISATION	YEAR	AWARD BODY	REMARKS
Diploma Lanjutan Kemahiran Malaysia	D-060-5 (Information Systems)	2001	Kem Sumber Manusia (MLVK)	First Recipient of the Trade
Diploma Kemahiran Malaysia	D-060-4 (Information)	2001	Kem Sumber Manusia	First Recipient of the Trade

Sijil Kemahiran Malaysia Tahap 3	Systems) D-060-3 (Information Systems)	2000	(MLVK) Kem Sumber Manusia (MLVK)	Special recognition award for services served as National Expert to World Skills Competition
Sijil Kemahiran Malaysia Tahap 2	D-060-2 (Information Systems)	2000	Kem Sumber Manusia (MLVK)	Special recognition award for services served as National Expert to World Skills Competition

### C. MEMBERSHIP OF NATIONAL / PROFESSIONAL / VOLUNTARY BODIES

#### PROFESSIONAL SOCIETIES

International Association of Software Architects (IASA)	Honorary Fellow
Association of Computing and Machinery (ACM)	Professional Member
Malaysian National Computer Confederation	Member
Persatuan Linguistik Malaysia	Member
Persatuan Penterjemahan Malaysia	Member

#### VOLUNTARY SOCIETIES

Srikandi Tun Fatimah (Alumni) aka <i>Persatuan Bekas Pelajar Sekolah Tun Fatimah, Johor Bahru</i>	Advisor (2007 to date) Vice President (2003-2006) President (1998-2002)
Persatuan Ibu Bapa/Guru Sekolah Kebangsaan Polis Depot	Chairman (1999-2000) Committee Member (1997-1999)
Persatuan Ibu Bapa/Guru Sekolah Men. Wangsa Maju R5/R6	Committee Member (1996-1999)

#### NATIONAL/ INTERNATIONAL

## REPRESENTATION

Positions	Place/Date
1. <u>Member of National Council on Skills Development</u> <i>(Majlis Pembangunan Kemahiran Kebangsaan)</i> [Min. of Human Resource]	Oct 2010 - 2013
2. <u>External Verifying Officer: Pegawai Pengesab Luaran</u> (PPL) (PPLW0032) [JPK, Min. of Human Resource]	1 August 2000- to date
3. <u>Member: Technical Advisor Committee (ICT) -</u> <i>"Jawatan kuasa Panel Penasihat Kemahiran (JPPK) – Bidang ICT"</i> [JPK, Min. of Human Resource]	Deputy Chairman: 1999- to date Member: since: 1998
4. <u>Assessment Officer: Accreditation for Prior</u> <u>Achievements: Pegawai Penilai – Pentauliahan Pencapaian</u> <u>Terdahulu</u> (W98023)(PP-PPTW980068) [JPK, Min. of Human Resource]	June 1998 – to date
5. <u>Judge: "Pertandingan Kemahiran Malaysia 2004 - (Bidang</u> <u>IT)"</u> [Min. of Works, Min. of Education, Min. of Human Resource, Min. of Youth & Sports, & Min. of Ent. & Co-operative Dev.]	MMU – August 2004
6. <u>Chief Judge: Pertandingan Kemahiran Malaysia ke- 13</u> <u>(Bidang IT)"</u> [Min. of Works, Min. of Education, Min. of Human Resource, Min. of Youth & Sports, & Min. of Ent. & Co-operative Dev.]	KLCC – September 2003
7. <u>Country Expert/Chief Judge: Information</u> <u>Technology Trade at the 5<sup>th</sup> ASEAN Skills</u> <u>Competition – First Technical Committee Meeting in</u> <u>Hanoi, Vietnam.</u> [Min. of Works]	17 -22 April 2003
8. <u>Chief Judge: "Pertandingan Kemahiran Malaysia ke- 12</u> <u>(Bidang IT)"</u> [Min. of Works, Min. of Education, Min. of Human Resource, Min. of Youth & Sports, & Min. of Ent. & Co-operative Dev.]	ADTEC Shah Alam 13- 15 September 2002
9. <u>Country Expert / Chief Judge: Information</u> <u>Technology Trade at the 4<sup>th</sup> ASEAN Skills</u> <u>Competition in Jakarta, Indonesia</u> [Min. of Works]	17March to 1 April 2002
10. <u>Country Expert/ Judge: Web Design Trade at the 35<sup>th</sup></u> <u>World Skills Competition in Seoul, South Korea</u> [Min. of Works]	5-20 September 2001
11. <u>Country Expert/Judge: Information Technology</u> <u>Trade at the 3<sup>rd</sup> ASEAN Skills Competition in</u> <u>Bangkok, Thailand</u> [Min. of Works]	12-21 March 2001
12. <u>Co-Secretariat: Development of National</u> <u>Occupational Skills Standards (NOSS) Workshop</u> <u>with MLVK. Total NOSS developed : 35</u> <b>Sector : ICT and Multimedia:</b> <b>Code: D-041 : Level 2 – 5; D-051 : Level 2-5; D-060 : Level</b> <b>2– 5; D-070 : Level 2 – 5; D-080 – D-120 : Level 2 – 5</b> [Min. of Works]	Feb 2000 – March 2001

13. Chief Judge: “*Pertandingan Johan Kemahiran Malaysia ke-11 (Bidang IT)*” [Min. of Works, Min. of Education, Min. of Human Resource, Min. of Youth & Sports, & Min. of Ent. & Co-operative Dev.] PERHEBAT 17-22 Aug 2000
14. Country Expert: Information Technology Trade at the 34<sup>th</sup> World Skills Competition in Montreal, Canada [Min. of Works] 12-22 November 1999
15. Chief Judge: “*Pertandingan Johan Kemahiran Malaysia ke-10 (Bidang IT)*” [Min. of Works, Min. of Education, Min. of Human Resource, Min. of Youth & Sports, & Min. of Ent. & Co-operative Dev.] PERHEBAT - 1999
16. Chief Judge: “*Pertandingan Johan Kemahiran Malaysia ke-9 (Bidang IT)*” [Min. of Works, Min. of Education, Min. of Human Resource, Min. of Youth & Sports, & Min. of Ent. & Co-operative Dev.] PERHEBAT: Jun – Sep 1998
17. Chief Judge: “*Pertandingan Johan Kemahiran Malaysia ke-8 (Bidang IT)*” [Min. of Works, Min. of Education, Min. of Human Resource, Min. of Youth & Sports, & Min. of Ent. & Co-operative Dev.] CIAST June – Sept 1997
18. Exhibitor (UTM Stall): “CeBIT” at Hannover, Germany – CD-ROM Al-Quran Project [UPP, UTM] Hannover, Germany, April 1996
19. Participant: Study Trip to the National Archives of Canada [National Archive of Malaysia] October, 1996
20. Committee: “*Workgroup on Information Technology – System Development and Programming Languages*” [SIRIM] Jun 1992-1995  
*Received SIRIM - Special Recognition Award.*

## D. FIELDS OF SPECIALISATION

### COURSES TAUGHT (From 2004 to date)

No.	Title	Course Level
1.	Trends in Information Technology Applications for Management	MSc (IT-Management)
2.	Information Technology and Organisational Transformation	MSc (IT-Management)
3.	Information Technology Planning for Management	MSc (IT-Management)
4.	Special Topic in IT Management	MSc (IT-Management)
5.	Enterprise Information Systems	MSc (IT-Management)
6.	IT Services & Consultancy	MSc (IT-Entrepreneurship)
7.	Software Integration Tech & Business	MSc (IT-Entrepreneurship)
8.	Management Fundamentals	MSc (IT-Management)
9.	Information Technology & Systems	BSc. Comp. Sc
10.	IT Entrepreneurship	BSc. Comp. Sc

**AREA OF INTEREST**

- Policy Management in ICT Governance
- Information Systems Education
- Strategic Information Systems
- Vocational Training Management
- Skill based IT training and Career Development

**SECURED GRANTS (Main Researcher)**

- 2010 – FRGS: RM39,400.00 – Activity Theory For Modelling Service Innovation In Higher Education Environment
- 2008 – CTL Dana Pengajaran dan Pembelajaran: RM5,000 – E-Portfolio and Reflection among UTM students
- 2007 – BIP Contract Research: RM50,000 – UTM Computer Usage Policy – R&D

**E. INTEREST**

- Special Children Education
- Homoeopathy

**F. PUBLICATIONS**

1. *Necmettin Ozkan, Wardah Zainal Abidin, 2010, "Suggestion of Web 2.0 Mashups for Human Resource Management", International Conference on Education and Management Technology (ICEMT 2010)*
2. *Wardah, Zainal Abidin, 2008, Book Chapter: "E-Portfolio at Universiti Teknologi Malaysia: A Reflection on Its Journey", Penerbit Universiti Teknologi Malaysia.*
3. *Ruzanna Abdullah, Wardah Zainal Abidin, Azizah Abdul Rahman, 2008, Book Chapter: "E-Group as a Knowledge Sharing Medium in Special Children Development", Penerbit Universiti Teknologi Malaysia.*
4. *Aida Suzana Sukiam, Azizah Abdul Rahman, Wardah Zainal Abidin, 2008, Book Chapter: "Knowledge Audit on Special Children Related Websites", Penerbit Universiti Teknologi Malaysia.*
5. *"Training Manual for NOSS I-031", 2004, Majlis Latihan Vokasional Kebangsaan, Kementerian Sumber Manusia. (Contributor and member of Development Committee).*
6. *"Basic Instructor's Manual", 2004, Majlis Latihan Vokasional Kebangsaan, Kementerian Sumber Manusia. (Contributor and member of Development Committee).*
7. *"National Occupational Skill Standard for ICT System Security and Application*

- Technician. D300-3” 30-05-2002, Majlis Latihan Vokasional Kebangsaan, Kementerian Sumber Manusia. (Contributor and member of Development Committee). (Rujukan: <http://www.nvtc.gov.my/enoss/keselamatan.html>)*
8. *“National Occupational Skill Standard for ICT Network Security Technician. D301-3” 30-05-2002, Majlis Latihan Vokasional Kebangsaan, Kementerian Sumber Manusia. (Contributor and member of Development Committee). (Rujukan: <http://www.nvtc.gov.my/enoss/keselamatan.html>)*
  9. *“National Occupational Skill Standard for ICT Operation Security Assistant Officer. D302-3” 30-05-2002, Majlis Latihan Vokasional Kebangsaan, Kementerian Sumber Manusia. (Contributor and member of Development Committee). (Rujukan: <http://www.nvtc.gov.my/enoss/keselamatan.html>)*
  10. *“National Occupational Skill Standard for Computer Systems Assistant Technician and Computer Systems Technician. D041-2 and D-041-3” , 30-09-2000, Majlis Latihan Vokasional Kebangsaan, Kementerian Sumber Manusia. (Contributor and member of Development Committee). - rujukan: <http://www.nvtc.gov.my/enoss/komputer.html>*
  11. *“National Occupational Skill Standard for Computer Systems Assistant Engineer and Computer Systems Engineer. D041-4 and D-041-5” , 30-09-2000, Majlis Latihan Vokasional Kebangsaan, Kementerian Sumber Manusia. (Contributor and member of Development Committee). - rujukan: <http://www.nvtc.gov.my/enoss/komputer.html>*
  12. *“National Occupational Skill Standard for Computer Network Assistant Technician and Computer Network Technician. D051-2 and D-051-3” , 30-09-2000, Majlis Latihan Vokasional Kebangsaan, Kementerian Sumber Manusia. (Contributor and member of Development Committee). - rujukan: <http://www.nvtc.gov.my/enoss/komputer.html>*
  13. *“National Occupational Skill Standard for Computer Network Assistant Engineer and Computer Network Engineer. D051-4 and D-051-5” , 30-09-2000, Majlis Latihan Vokasional Kebangsaan, Kementerian Sumber Manusia. (Contributor and member of Development Committee). - rujukan: <http://www.nvtc.gov.my/enoss/komputer.html>*
  14. *“National Occupational Skill Standard for Information Systems Administrative Assistant and Information Systems Supervisor, D060-2 and D-060-3” , 07-10-1999, Majlis Latihan Vokasional Kebangsaan, Kementerian Sumber Manusia. (Contributor and member of Development Committee). - rujukan: <http://www.nvtc.gov.my/enoss/komputer.html>*
  15. *“National Occupational Skill Standard for Information Systems Executive and Information Systems Manager, D060-4 and D-060-5” , 07-10-1999, Majlis Latihan Vokasional Kebangsaan, Kementerian Sumber Manusia. (Contributor and member of Development Committee). - rujukan: <http://www.nvtc.gov.my/enoss/komputer.html>*
  16. *“National Occupational Skill Standard for Application Development - Programmer and Application Development – Lead Programmer. D070-2 and D-070-3” , 06-07-2000, Majlis Latihan Vokasional Kebangsaan, Kementerian Sumber Manusia. (Contributor and member of Development Committee). - rujukan: <http://www.nvtc.gov.my/enoss/komputer.html>*
  17. *“National Occupational Skill Standard for Application Development - Programmer and*

- Application Development – Lead Programmer. D070-2 and D-070-3*”, 06-07-2000, Majlis Latihan Vokasional Kebangsaan, Kementerian Sumber Manusia. (Contributor and member of Development Committee). - rujukan: <http://www.nvtc.gov.my/enoss/komputer.html>
18. “*National Occupational Skill Standard for Application Development - Analyst Programmer and Application Development – Systems Analyst. D070-4 and D-070-5*”, 06-07-2000, Majlis Latihan Vokasional Kebangsaan, Kementerian Sumber Manusia. (Contributor and member of Development Committee). - rujukan: <http://www.nvtc.gov.my/enoss/komputer.html>
  19. “*National Occupational Skill Standard for Multimedia Artist – Animation. D110-2*” 30-09-2000, Majlis Latihan Vokasional Kebangsaan, Kementerian Sumber Manusia. (Contributor and member of Development Committee). Rujukan: <http://www.nvtc.gov.my/enoss/multimedia.html>
  20. “*National Occupational Skill Standard for Multimedia Artist – Visual. D111-2*” 30-09-2000, Majlis Latihan Vokasional Kebangsaan, Kementerian Sumber Manusia. (Contributor and member of Development Committee). Rujukan: <http://www.nvtc.gov.my/enoss/multimedia.html>
  21. “*National Occupational Skill Standard for Multimedia Artist – Audio and Multimedia Designer - Audio. D100-2 and D-100-3*” 30-09-2000, Majlis Latihan Vokasional Kebangsaan, Kementerian Sumber Manusia. (Contributor and member of Development Committee). Rujukan: <http://www.nvtc.gov.my/enoss/multimedia.html>
  22. “*National Occupational Skill Standard for Multimedia Artist – Video and Multimedia Designer - Video. D090-2 and D-090-3*” 30-09-2000, Majlis Latihan Vokasional Kebangsaan, Kementerian Sumber Manusia. (Contributor and member of Development Committee). Rujukan: <http://www.nvtc.gov.my/enoss/multimedia.html>
  23. “*National Occupational Skill Standard for Multimedia Artist – Authoring and Multimedia Designer - Authoring. D080-2 and D-080-3*” 30-09-2000, Majlis Latihan Vokasional Kebangsaan, Kementerian Sumber Manusia. (Contributor and member of Development Committee). Rujukan: <http://www.nvtc.gov.my/enoss/multimedia.html>
  24. “*National Occupational Skill Standard for Multimedia Creative Manager . D120-4*” 30-09-2000, Majlis Latihan Vokasional Kebangsaan, Kementerian Sumber Manusia. (Contributor and member of Development Committee). Rujukan: <http://www.nvtc.gov.my/enoss/multimedia.html>
  25. “*National Occupational Skill Standard for Multimedia Creative Director . D120-5*” 30-09-2000, Majlis Latihan Vokasional Kebangsaan, Kementerian Sumber Manusia. (Contributor and member of Development Committee). Rujukan: <http://www.nvtc.gov.my/enoss/multimedia.html>

## **G. CONFERENCE PROCEEDINGS**

1. Ozkan, N., Zainal Abidin, W., *Suggesting Mashup Development Methodology for End User Developers*, First International Conference on Research and Innovation in Information Systems, 8-9 Dec, 2009, Grand Paragon Hotel, Johor Bahru, Malaysia.

2. Wardah binti Zainal Abidin, *Penggunaan komputer dan pemanfaatannya di kalangan warga emas di Malaysia*, Seminar Kebangsaan E-Komuniti 2009 Merapatkan Jurang Digital: Masyarakat Berpengetahuan Model Malaysia, Darby Park KL, 18-19 Mac 2009
3. Noorabsya Mohamed; Assoc. Prof. Dr. Azizah Abdul Rahman; Assoc. Prof. Wardah Zainal Abidin, *Knowledge Dissemination Overview*, International Graduate Conference in Engineering and Science (IGCES 2008), UTM, Skudai, Malaysia, 23-24 December 2008
4. Veronica Clement Buyut, Seyed Hossein Siadat, Wardah Zainal Abidin, *Electronic Customer Relationship Management for VoIP Service*, The 2008 International Conference on Computer and Electrical Engineering (ICCEE 2008), Phuket Thailand, 20-22, December 2008
5. Aida Suzana Sukiam, Assoc.Prof. Dr. Azizah Abdul Rahman, Assoc. Prof. Wardah Zainal Abidin, *Knowledge Audit on Special Children Communities*, The 2008 Pacific Rim Knowledge Acquisition Workshop (PKAW08), Hanoi, Vietnam, 17-18 Dec 2008
6. Reza Alinaghian and Wardah Zainal Abidin, *Information and Communications Technology (ICT) Policy Implementation among Academicians of Universiti Teknologi Malaysia (UTM)*, 3rd International Symposium On Information Technology 2008 (ITSim'08), Kuala Lumpur, 26-29 August 2008
7. Seyed Hossein Siadat, Veronica Clement Buyut, Wardah Zainal Abidin, *The Evolution of Services Science*, 5th International Conference on Service Systems and Service Management (ICSSSM 08), Melbourne, 30 Jun – 2 Jul 2008
8. Aida Suzana Sukiam, Assoc.Prof. Dr. Azizah Abdul Rahman, Assoc. Prof. Wardah Zainal Abidin, *Proposal for Development of Knowledge Sharing Framework for Special Children Communities*, The 4th Postgraduate Annual Research Seminar 2008 (PARS'08), UTM, Skudai, Malaysia, 30 June- 3 July 2008
9. Aida Suzana Sukiam, Assoc.Prof. Dr. Azizah Abdul Rahman, Assoc. Prof. Wardah Zainal Abidin, *Knowledge Audit on Special Children in Government Portals*, National Conference on Information Retrieval and Knowledge Management (CAMP08), Place Beach & Spa, Mines, Kuala Lumpur, 18 March 2008
10. Aida Suzana Sukiam, Assoc.Prof. Dr. Azizah Abdul Rahman, Assoc. Prof. Wardah Zainal Abidin, *Development of Knowledge Sharing Framework For Government to Society: Initial Findings*, E-Community National Seminar 2007 Bridging The Digital Divide: Malaysian Initiatives, E-Community Research Center, Berjaya Times Square Convention Center, 10-11 Dec 2007
11. Wardah binti Zainal Abidin, Syed Ahmad Iskandar bin Syed Ariffin, Izman bin Sudin, Mat Rebi bin Abdul Rani, Robiah binti Adnan, Farediah binti Ahmad, *A Re-Examination Of The Generic Skills Implementation Programme In Utm: Proposal For A Strategic Revision*, Simposium Pengajaran dan Pembelajaran UTM, Johor Bahru, 28-29 November 2007
12. Wardah binti Zainal Abidin, *Penerapan Kemahiran Generik di Kalangan Pelajar FSKSM*, Simposium Pengajaran dan Pembelajaran UTM, Persada Johor International Convention Centre, 5-6 Disember 2006.



## H. CONSULTANCY PROJECTS

	<b>Position</b>	<b>Place/Date</b>
1.	<u>Project Team Leader:</u> “UTM ICT Policy Development Study”	FSKSM, June 2007-2008
2.	<u>Project Team Manager:</u> “Development of Training Manual for NOSS I-031 and Basic Instructor’s Manual” [MLVK, Min. of Human Resource]	ITTC Sdn. Bhd. ; Nov-Dec 2004
3.	<u>Project Manager:</u> “Projek Pembekalan Komputer untuk Sains, Matematik dalam Bahasa Inggeris – Fasa II” – Zon Kedah-Perlis [Time Systems Integrators Sdn. Bhd’s]	Sarawak, Perak, Kedah & Perlis JPN: Dec 2004
4.	<u>Facilitator:</u> Workshop on “Occupational Analysis for the ICT Industry” [MLVK, Min. of Human Resource]	PDGCC; 17-19 <sup>th</sup> September 2004
5.	<u>Facilitator:</u> Workshop on “Occupational Analysis for the Biotechnology Industry” [MLVK, Min. of Human Resource]	PD Corus Hotel; 24-26 <sup>th</sup> September 2004
6.	<u>Project Manager:</u> “Projek Pembekalan Komputer untuk Sains, Matematik dalam Bahasa Inggeris – Fasa II” – Zon Kedah-Perlis [Time Systems Integrators Sdn. Bhd’s]	Kedah & Perlis JPN: 1-31 Dec 2003
7.	<u>Team Member:</u> Direct Telecast on TV1 of Project CD-ROM Al-Quran Product –‘Musabaqah Al-Quran’ at the National level [Radio Television Malaysia, JAKIM and JKR Selangor]	Since 1993 –2002
8.	<u>Team Member:</u> Direct Telecast on TV1 of Project CD-ROM Al-Quran Product –‘Musabaqah Al-Quran’ at the National level [Radio Television Malaysia, JAKIM and JKR Selangor]	Since 1993 –2002
9.	<u>Project Leader:</u> Management Information Systems Development Project – <i>Maktab Kerjasama Malaysia</i>	1993-99
10.	<u>Deputy Project Leader:</u> Strategic Management Information Systems Planning for Malaysia Airports Berhad	1993-94
11.	<u>Deputy Project Leader:</u> Strategic Management Information Systems Planning for Perbadanan Kemajuan Kraftangan Malaysia (PKKM)	1993-94
12.	<u>Deputy Project Leader:</u> Strategic Management Information Systems Planning for National Archives of Malaysia	1993-94

- |     |  |   |
|-----|--|---|
| 13. | <u>Project Advisor</u> : Integrated Management Information Systems Development for Perbadanan Kemajuan Kraftangan Malaysia (PKKM)                      | 1994                                      |
| 14. | <u>Technical Advisor</u> to Malaysia Airports Berhad on its current Point-of-Sale systems at the <i>Duty Free Shops - Subang International Airport</i> | Malaysia Airports Berhad – IT Dept. -1993 |

### **COURSES ATTENDED**

<b>No.</b>	<b>Title</b>	<b>Venue &amp; Date</b>
1.	Writing Cases Part -3	AKEPT, KL; 16-18 November, 2009
2.	NVivo Training	UTM; 23 Oct. 2009
3.	Writing Cases Part -2	AKEPT, KL; July to September, 2009
4.	Writing Cases Part -1	AKEPT, KL; 8-12 June 2009
5.	MCTS ASP .NET Training and Certification	UTM; 22 June 2009 – 3 July 2009
6.	Architecting Enterprise Software	JC Creative Maximus Sdn Bhd - 5-7 Feb 2007
7.	Towards Quality Information Systems Research Workshop	University Malaya, KL 24-25 Oct 2007
8.	Kursus Kaedah Penyelidikan SLAB	UTM, 7-18 May 2007
9.	Kursus Pembelajaran Aktif	UTM, 9-11 June 2007
10.	Kursus PTK6	UTM, 11-22 June 2007
11.	Kursus Laman WEB	UTM - 19 - 21 April 2006
12.	Induction Course for PPL	MLVK – 17-18 Nov 2005
13.	Refresher Course for PP-PPT	MLVK – 21 Nov 2005
14.	Microsoft Visual Studio .Net	UTM – June 2005