



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

Curriculum Vitae



Associate Professor Dr. Nor Azman Ismail

BSc (Hons) Math & Comp. Sc. Ed (UTM), MIT Info. Sc & Multimedia (UKM),
Ph.D Human Computer Interaction (Loughborough, UK)

Deputy Director (Web Director) of Office of Corporate Affairs and,
Senior Lecturer of Department of Computer Graphics & Multimedia
Faculty of Computer Science and Information System,
Universiti Teknologi Malaysia,
UTM Skudai, 81310 Johor Bahru

2014

PERSONAL DATA

Address of correspondence: Office of Corporate Affairs,
Universiti Teknologi Malaysia (UTM),
UTM Skudai,
81310, Johor Bahru.

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Website: <http://www.comp.utm.my/azman>
<http://www.utm.my/corporateaffairs/dr-azman>

Title/Position: Deputy Director (University Web Director)
Office of Corporate Affairs,
Universiti Teknologi Malaysia,
UTM Skudai, 81310 Johor Bahru.

Associate Professor,
Department of Software Engineering,
Faculty of Computing,
Universiti Teknologi Malaysia (UTM),
81310, Johor Bahru.

ACADEMIC BACKGROUND

- **Ph.D (Human Computer Interaction)**
Loughborough University, United Kingdom (2007)
(Thesis: Flexible Photo Retrieval (FlexPhoReS): a prototype for multimodal personal digital photo retrieval)
- **Masters of IT (Information Science & Multimedia)**
Universiti Kebangsaan Malaysia (2000)
- **Bachelor of Science (Mathematic and Computer with Education)**
Universiti Teknologi Malaysia (UTM) (1995)

PROFESSIONAL/ACADEMIC INTEREST

- Human Computer Interaction (HCI): Multimodal Interaction, Usability Studies, User-Centered Design, Information Architecture, Accessibility
- Image Retrieval: Image Indexing, Image Annotation, Image Metadata, Image Browsing, Image Searching, Content Based Image Retrieval, Relevance Feedback, Personal Digital Photos Collection.
- Webometrics: Hyperlink Analysis, Web Impact Factor (WIF), Search Engine Optimization (SEO).
- Open Source Software: Linux, Apache, MySQL, PHP

AWARDS/RECOGNITIONS

1. University Excellent Service Award (2010)
2. University Excellent Service Award (2009)
3. Science Fund Research Grant (2007-2009)
4. Distinction Award (Faculty level) for the year of 2000 service

APPOINTMENTS

1 Apr 2008 - now	Deputy Director (University Web Director), Office of Corporate Affairs, Chancellery, UTM.
6 Aug 2012 - now	Associate Professor, Department of Software Engineering, Faculty of Computing, UTM.
2013	Head of Virtual, Visualization and Vision (Vicubelab) Research Group
2007 - 5 Aug 2012	Senior lecturer, Department of Computer Graphics and Multimedia, Faculty of Computer Science and Information System, UTM.
2006	Web Programmer (<i>Project Title: Web-based Digital Image Annotation</i>) Loughborough University, United Kingdom.
1999 - 2007	Lecturer, Department of Computer Graphics and Multimedia, Faculty of Computer Science and Information System (FSKSM), UTM.
1995 - 1999	Tutor, Department of Computer Graphics and Multimedia, Faculty of Computer Science and Information System, UTM.
1995	Supervisor (Disk Drive Repair Division), Seagate Industries (M) Sdn Bhd, Penang.

NOTEWORTHY PROJECTS

1. Advised the University for Web Presence initiatives in line with **Webometrics** Ranking of World University requirements. This Webometrics ranking could become as indicators of global performance of a university taking into account its teaching commitment, research results, international prestige, community links and industrial and economic sectors.
2. Initiator and Director of **University Digital Photo Gallery** (www.photos.utm.my). This project was an arm of the Office of Corporate Affairs in promoting the University image and branding.
3. Architect and Producer of the **University Centralized News Hub** (www.news.utm.my). This project enables university community and anyone to submit news article related to the university.
4. Initiate **University Web Security & Penetration Tester team** to identify security threats scheduled check-in and systematic actions towards any security breach attempt and issues.
5. Initiator and Director of the new **University Event System** (www.events.utm.my). This project helps the community to get updates on university events and also helps event organizers to promote their upcoming events online.
6. Architect and Producer of the **University Web blog** (www.blog.utm.my) used by staff (www.staff.blog.utm.my) and students (www.student.blog.utm.my); visited by thousands of web audiences since its inception.
7. Advised the University Centre for the Information and Communication Technology (UTM CICT) in developing the ICT Policy majoring on **Web publishing policy and guidelines** for all web maintainers/webmasters/web authors.
8. Advised University Library on the development of **Universiti Teknologi Malaysia Institutional Repository** (UTMIR <http://www.eprints.utm.my>). UTMIR is an online system focus for collecting, preserving, and disseminating digital collection of the University's intellectual or research output.
9. Initiator and Director of **University Job Advertisement System** (Jobs@UTM <http://www.jobs.utm.my>). This system provides a platform for various types of job from different department and faculties to be advertised in one centralized listing system.
10. Initiator and Director of the **University online community Sales and Wanted** advertisement system named the Classified@UTM (<http://www.classifieds.utm.my/>).
11. Initiator of the university social media initiative by directing the project for developing and managing of **University Social Media Channels** (Facebook, Twitter, YouTube) (<http://www.utm.my/social-media>)

12. Initiator and Director of the **University Royal Connection** website (www.royalconnections.utm.my). This website records most of the activities and programmes involving the royal families of Johor and the university.
13. Presented successful RM 79000 grant proposal for the university social media strategy project. This project outcome will be completed in 2012 with the formation of **the Student Media Team** from all colleges that will help the university in media digitization and online student social media presence.
14. Initiator and Director of the University mobile version kiosk at **UTM FACES**, Senai International Airport

WORK COMMITTEE & ADMINISTRATIVE TASKS

International/National Committees

2010 – now	Editorial Board, International Journal of Computing http://www.journalofcomputing.org
2008 – now	International Association of Engineers (IAENG) Society of Computer Science, membership number is: 65239
2008 - now	Steering Committee member of SIRIM Technical Committee on Computer Graphics and Multimedia (TC6)
2011	External Examiner/Reviewer Post Grad Research (UNIMAS), Sarawak
2008	Reviewer of Journal of Research, Gomal University, Pakistan
2007	Auditor committee member of Johor Hospitals Multimedia Presentation Tournament
2006	Malaysia Today Bulletin Editorial Advisory Board
2002	Technical committee members of National Conference on Computer Graphics and Multimedia (CoGRAMM'02)
1996	Technical committee member of Information technology management National conference (INFOTECH 96)
1995	Technical committee member of Information technology management National conference (INFOTECH 95)

Universiti Teknologi Malaysia (UTM) Work Committee & Administrative Tasks

2011- now	Steering Committee member of the University web security team (Penetration team)
2011- now	Program Chairman of University Webometrics Ranking Award
2011- now	Steering Committee member of University Customer Relationship Management (CRM)
2008 - 2009	Steering Committee member of University web committee

2008 - 2009	Research and Post Graduate Coordinator of Department of Computer Graphics and Multimedia, FSKSM, UTM
2008 - 2009	Technical Committee Member of University Web Page Development
2007 - 2008	Member of University Ranking and Rating Committee
2007 - 2008	Steering Committee Member of University Institutional Repository (UTMIR)
2007 - 2008	Member of Faculty of Computer Science and Information System Web Page Development Committee
2006 - 2007	Steering Committee Member of University Web Page Development
1999 - 2002	Coordinator, UTM School of Professional and Continuing Education (SPACE UTM) Faculty of Computer Science and Information System
1999 - 2001	Member of Faculty (FSKSM) JAPNI Publication Committee
1998 - 2000	Coordinator, Computer Graphics and Multimedia Computer Lab
1996 - 1998	Member, Faculty (FSKSM) JAPNI committee
1995 - 1997	Coordinator, Computer Graphics Lab
1996 - 1996	Member, Faculty (FSKSM) Web Page Data Collection Committee
1995 - 1996	Member, Faculty (FSKSM) Colloquium Committee
1995	Program Chairman of National conference of Information technology management (INFOTECH 95) UTM committee

RESEARCH ACTIVITIES AND CONSULTATION PROJECTS (with grant)

1. Multimodal interaction for mobile map city browser based on multicultural user preferences
University Grant (GUP), [RM 20,000]
Project Leader
[July 2014 - June 2015]
2. A study of web impact factor (WIF) and hyperlink patterns of Malaysian universities
University Grant (GUP), [RM 40,000]
Position: Project Leader
[April 2011- July 2012]
3. Lecturers and Students Readiness for M-Learning Utilization: A Case At Higher Learning Institution
DPP Research Grant with CTL, [RM 14,000]
Position: Project Leader
[April 2011 – April 2012]
4. Development of Multimodal interaction for Web based digital photo retrieval: Toward improving users' search performance.
MOSTI-ScienceFund Grant, Vot No.[RM 112,760]
Position: Project Leader
[Sept 2007 – Feb 2009]

- 5.** An Intelligent Agent Based Spoken Dialogue System for Content Based Image Retrieval.
MOSTI-ScienceFund Grant, Vot No. 79227 [RM 154,695]
Position: Researcher
[Sept 2007 – Feb 2009]
- 6.** An Evolutionary Intelligent Compression Strategy (ICS) for Non-Text Documents (UPP grant) [RM 17,000]
Position: Researcher
[Dec 2001 – Oct 2002]
- 7.** Re-Engineering of Universiti Teknologi Malaysia (UTM) External Web Presence
UTM Special Budget via JPU, Vot: Office of Corporate Affairs Project [RM 202,190]
Position: Project Leader
[Sept 2009 – June 2010]
- 8.** Webometrics: Analisa Keputusan 2010 dan Cadangan Peningkatan Penarafan UTM
UTM Special Budget via JPU, Vot: Office of Corporate Affairs Project [RM 50,000]
Position: Project Leader
[Feb 2010 – July 2011]
- 9.** Komunikasi, Penjenamaan dan Pemasaran Universiti Melalui Strategi Media Sosial
UTM Special Budget via JPU, Vot: Office of Corporate Affairs Project [RM 79,000]
Position: Project Leader
[March 2011 – April 2012]
- 10.** Universiti Teknologi Malaysia (UTM) Web Security
UTM Special Budget via JPU, Vot: Office of Corporate Affairs Project [RM 40,000]
Position: Project Leader
[June 2011 – June 2012]

PUBLICATIONS**Journal Papers**

1. Hui Hui Wang, Dzulkifli Mohamad, N.A Ismail (2014). An Efficient Parameters Selection for Object Recognition Based Colour Features in Traffic Image Retrieval. *International Arab Journal of Information Technology (IAJIT)*, Vol. 11, No. 3
2. Arif, A and N. A. Ismail (2013), Web Impact Factor for Malaysian Public Universities, *International Journal of Future Computer and Communication*, Vol. 2, No. 3
3. Yee Yong Pang, Nor Azman Ismail (2012). A Survey of Hand Gesture Dialogue Modelling For Map Navigation. *Computer Engineering and Applications Journal*, Volume 1, No. 2, December 2012, ISSN 2252-4274
4. Hui Hui Wang, Dzulkifli Mohamad, N.A Ismail (2010). Semantic Gap in CBIR: Automatic Objects Spatial relationships Semantic Extraction and Representation. *International Journal of Image Processing (IJIP)*. Vol.4. Issue 3
5. Hui Hui Wang, Dzulkifli Mohamad, N.A Ismail (2010). Approaches, Challenges and Future Direction of Image Retrieval. *Journal of Computing*. Vol.2.Issue 6.June 2010
6. Gilbert Phuah Leong Siang, Nor Azman Ismail, Pang Yee Yong (2010). A Study on Potential of Integrating Multimodal Interaction into Musical Conducting Education. *Journal of Computing*, Volume 2, Issue 5, ISSN 2151-9617, pp48-52
7. Ramlan, S. A. and Ismail, N. A. (2010). A Study of User's Performance And Satisfaction on The Web Based Photo Annotation With Speech Interaction. *Journal of Computing*, Volume 2, Issue 6, June 2010.
8. N.A. Ismail and Ann O'Brien, (2009). Web-Based Personal Digital Photo Collections: Multimodal Retrieval, *IJUM Engineering Journal*. Volume 10, Issue 1, ISSN: 1511-788X, pp 40-53
9. N.A. Ismail and Ann O'Brien, (2008). Flexphores : A Flexible Interaction for Web Based Personal Digital Photo Retrieval System, *Jurnal Teknologi Maklumat, FSKSM, UTM, JTM*, Jld. 18:2
10. Siti Azura Ramlan, Nor Azman Ismail, Sharir Daut (2009). Small-Scale Evaluation of Photo Management: Understanding Users' Needs. N. A. Ismail, N.Z. S. Othman, S. A. Ramlan. *Advances in Human-Computer Interaction: Technology and Application* (pp.1 –8). Johor Bahru, Malaysia: Penerbit Universiti Teknologi Malaysia.
11. Siti Azura Ramlan, Nor Azman Ismail (2009). Bridging the Personal Digital Photo Annotation and Retrieval Gap in User Oriented Image Query. N. A. Ismail, N.Z. S. Othman, S. A. Ramlan. *Advances in Human-Computer Interaction: Technology and Application* (pp.9 –28). Johor Bahru, Malaysia: Penerbit Universiti Teknologi Malaysia.

12. N. A. Ismail, A.O'Brien (2009). Incorporating Multimodal Interaction in Web Based Personal Digital Photo Retrieval System. N. A. Ismail, N.Z. S. Othman, S. A. Ramlan. *Advances in Human-Computer Interaction: Technology and Application* (pp.75 –98). Johor Bahru, Malaysia: Penerbit Universiti Teknologi Malaysia.
13. N. A. Ismail, Siti Azura Ramlan (2009). Personal Digital Photo Annotation Using Multimodal Interaction, *Advances in Speech Processing: Techniques and Technologies* pp 38-55. Johor Bahru, Malaysia: Penerbit Universiti Teknologi Malaysia.

Book

1. Ali Selamat, Md. Hafiz Selamat, & Nor Azman Ismail, (2014) *Human Computer Interaction*, UTM Press, ISBN:978-983-52-0943-7
2. Nor Azman Ismail, Nur Zuraifah Syazrah Othman, Siti Azura Ramlan, (2008), *Advances in Human-Computer interaction Technology and Application*, ISBN:978-983-52-0617-7
3. Abd Manan Ahmad, Nor Azman Ismail, Loh Mun Yee, Cheang Soo Yee, (2008), *Advances in Speech Processing: Techniques and Technology*, ISBN:978-983-52-0628-3
4. Abd Manan Ahmad, Nor Azman Ismail, Loh Mun Yee, Cheang Soo Yee, (2008), *Advances in Speaker Recognition: Techniques and Technology*, ISBN:978-983-52-0629-0

Conference Proceedings

1. Nor Azrini Jaafar and N. A. Ismail, (2013) *A New Approach in Islamic Education: Computer Vision Based Techniques in Supporting Solat*, 2nd International Conference on Interactive Digital Media (ICIDM 2013), Kuching, Malaysia.
2. Arif, A and N. A. Ismail (2012), *Web Impact Factor for Malaysian Public Universities*. 4th International Conference on Information and Multimedia Technology, Kuala Lumpur, Malaysia.
3. Y.Y. Pang, N.A. Ismail, and P.L. Gilbert, (2010), *A Real Time Vision-Based Hand Gesture Interaction*, Fourth Asia International Conference on Mathematical/Analytical Modelling and Computer Simulation, 2010, pp. 237-242.
4. Ramlan, S. A. Daud, S. And Ismail, N. A. (2008). *Group Annotation For Digital Photos Using Multimodal Interaction*. Proceedings of the 4th International Conference on Information & Communication Technology and Systems (ICTS 2008). August 15. Surabaya, Indonesia
5. Ramlan, S. A. and Ismail, N. A. (2009). *4w's Framework in Speech Photo Annotation*. Proceedings of the 4th International Conference on Research and

- Innovation in Information Systems (ICRIIS2009). December 14, 2009. Johor Bahru, Malaysia.
6. Hui Hui Wang, Dzulkifli Mohamad, N.A Ismail. (2009) Image Retrieval : Techniques, Challenge, and Trend. The International Conference on Machine Vision, Image Processing, and Pattern Analysis. 25-27 December 2009, Bangkok, Thailand.
 7. Hui Hui Wang, Dzulkifli Mohamad, N.A Ismail. (2010), Towards semantic based Image Retrieval : A Review. The 2nd International Conference on Digital Image Processing (ICDIP 2010) – 26-28 February 2010, Singapore. (ISI and Scopus indexed)
 8. N.A. Ismail and O'Brien, E.A., (2008), Multimodal Interaction for Visual Example Searching in Web-Based Personal Digital Photo Repository, Proceedings of the 5th International Conference on Information Technology and Applications (ICITA 2008), Australia, June 2008. (ISI and Scopus indexed)
 9. N.A. Ismail and O'Brien, E.A., (2008), Enabling Multimodal Interaction in Webbased Personal Digital Browsing Ismail, Proceedings of the 2nd International Conference on Computer and Communication Engineering (ICCCE08), Kuala Lumpur, IEEE Society, May 2008. (ISI and Scopus Indexed)
 10. N.A. Ismail and O'Brien, E.A., Towards an understanding of user needs in organising and retrieving photos from personal digital photo collections, Innvoations Through Information Technology: proceedings of the 15th Information Resources Management Association International Conference, Khosrow-Pour, M. (ed), New Orleans, United State of America, May 2004, pp 2045-1047. (ISI Indexed)
 11. N.A. Ismail and O'Brien, E.A., An investigation into how people organize their personal digital photo collections, Proceedings of the 2nd Malaysian Research Group Annual Conference (MRG-AC 2003), Manchester, United Kingdom, December 2003.
 12. Aminah, N.A. Ismail, Noraniah & Hamidah, Web Based Learning Application: Basic Business Mathematics, International Conference on Computer in Education (ICCE), ICCE/SchoolNet 2001, Asia-Pacific of AACE, Korea, 15 November 2001.
 13. Ramlan, S. A. Daud, S. And Ismail, N. A. (2008). Web-based Semi-Automatic Annotation for Digital Photographs Using Speech and Graphic User Interface. Proceedings of the 4th Postgraduate Annual Research Seminar (PARS'2009). Universiti Teknologi Malaysia, Johor Bahru, Malaysia
 14. Gilbert Phuah Leong Siang, Nor Azman Ismail, Pang Yee Yong (2010). The Potential of Integrating Multimodal Interaction into Musical Conducting Education, Postgraduate Annual Research Seminar (PARS2010). Johor: Universiti Teknologi Malaysia.

15. N.A. Ismail, T. Jumail and H. C. Luan, Web-Based Content Based Image Retrieval (CBIR) using RGB color histogram techniques, Proceeding of The First National Conference on Computer Graphics and Multimedia (CoGRAMM02), Kuala Lumpur, 2002.
16. N.A. Ismail, Technology of Web 2.0: Web Design and Development, Conference of Web/Portal Management for Johor State Government, Johor Bahru, March 2007.

Research Monograph / Invited Lecturer and Other Publications

1. Alia, Idiana Hamidi & N. A. Ismail, Wordpress Content Management System Manual (2011), Universiti Teknologi Malaysia.
2. N. A. Ismail and M.R. Samingan, (2007), World Universities Ranking: Optimizing University Web Presence to Make More Visible and Useful to the Internet Users, Invited Lecture at Chancellery, Universiti Teknologi Malaysia, January 2007
3. N. A. Ismail, (2007), Design and Development of Academic Webpage, Invited Lecture at Kolej Science and Technology (KST), Kuala Lumpur, May 2007
4. N.A. Ismail, (2002), Distributed Multimedia Interactive, Undergraduate Teaching Module, Faculty of Computer Science & Information System, Universiti Teknologi Malaysia.
5. N.A. Ismail, (2002), Planning and Development of Multimedia Application, Faculty of Computer Science & Information System, Universiti Teknologi Malaysia.
6. N.A. Ismail, (2001), The Role Of Computer Graphic & Multimedia In Education, Konvensyen Pendidikan 2001, UNIPEN, University Technology Malaysia, 7 November, 2001
7. Ghazali Sulong, Nor Azman Ismail, Dzulkifli Mohamad, Norhaida Mohd. Shuaib, Cik Suhaimi Yusof, Suriati Sadimon, Mohd Shahrizal Sunar, Sarudin Kari, Daut Daman (1999). Asas Grafik Komputer. Monograf, FSKSM, UTM
8. N.A. Ismail, (1999), Multimedia Computer Lab Management in Faculty of Computer Science & Information System, University Technology Malaysia, 1999

TEACHING EXPERIENCES

Postgraduate (Master of Science)

- | | | |
|---|----------------|--------------------------------------|
| 1 | 2001/02 Sem. 1 | Hypermedia in Education MCG 1553 |
| 2 | 2000/01 Sem. 2 | Teaching and Learning Media MCG 1573 |

Undergraduate (Bachelor of Computer Science)

- | | | |
|----|----------------|--|
| 1 | 2012/13 Sem. 1 | Pengaturcaraan Web SCK 3633 |
| 2 | 2012/13 Sem. 1 | Human Computer Interaction SCV 1023 (Space JB) |
| 3 | 2012/13 Sem. 1 | Internet Programming SCJ (SPACE-PEN) |
| 4 | 2011/12 Sem. 1 | Human Computer Interaction SCV 1023 |
| 5 | 2010/11 Sem. 2 | Human Computer Interaction SCV 1023 (SPACE-KL) |
| 6 | 2010/11 Sem. 2 | Pengaturcaraan Multimedia WEB SCK 3633 |
| 7 | 2010/11 Sem. 1 | Human Computer Interaction SCV 1023 (SPACE-PEN) |
| 8 | 2010/11 Sem. 1 | Human Computer Interaction SCV 1023 |
| 9 | 2009/10 Sem. 2 | Struktur Data & Algorithm SCJ 2103/DCP2043 (SPACE-PEN) |
| 10 | 2009/10 Sem. 2 | Human Computer Interaction SCV 1023 |
| 11 | 2009/10 Sem. 1 | Human Computer Interaction SCV 1023 |
| 12 | 2008/09 Sem. 2 | Pengaturcaraan Multimedia WEB SCK 3633 |
| 13 | 2008/09 Sem. 2 | Human Computer Interaction SCV 1023 |
| 14 | 2008/09 Sem. 1 | Struktur Data & Algorithm SCJ 2103/ DCP2043 (SPACE) |
| 15 | 2008/09 Sem. 1 | Pengaturcaraan WEB SCK 3633 |
| 16 | 2008/09 Sem. 1 | Human Computer Interaction SCV 1023 |
| 17 | 2007/08 Sem. 2 | Human Computer Interaction SCV 1023 |
| 18 | 2007/08 Sem. 2 | Pengaturcaraan WEB SCK 3633 |
| 19 | 2007/08 Sem. 2 | Teknik Pengaturcaraan I DCP 1023 (SPACE) |
| 20 | 2007/08 Sem. 1 | Pengaturcaraan WEB SCK 3633 |
| 21 | 2006/07 Sem. 3 | Pengaturcaraan WEB SCK 3633 |
| 22 | 2006/07 Sem. 2 | Struktur Diskrit SCK 1813 |
| 23 | 2006/07 Sem. 2 | Asas Grafik Berkomputer SCK 2613 |
| 24 | 2006/07 Sem. 1 | Teknik Pengaturcaraan I SCK1213 |
| 25 | 2002/03 Sem. 2 | Komunikasi Multimedia Interaktif SCA3703 |
| 26 | 2002/03 Sem. 2 | Asas Grafik SCG 3023 |
| 27 | 2002/03 Sem. 1 | Audio dalam Sistem Multimedia SCA 3503 |
| 28 | 2002/03 Sem. 1 | Komunikasi Multimedia Interaktif SCA3703 |
| 29 | 2001/02 Sem. 2 | Latihan Kemahiran II (Perisian) DCP 3206 |
| 30 | 2001/02 Sem. 2 | Latihan Kemahiran I DCU 3303 |
| 31 | 2001/02 Sem. 1 | Teknologi & Sistem Maklumat DCM 1013 (SPACE) |
| 32 | 2001/02 Sem. 1 | Audio dalam Sistem Multimedia SCA 3503 |
| 33 | 2000/01 Sem. 2 | Asas Grafik SCG 3023 |
| 34 | 2000/01 Sem. 1 | Teknologi & Sistem Maklumat DCM 1013 (SPACE) |
| 35 | 2000/01 Sem. 1 | Teknologi & Sistem Maklumat DCM 1013 |
| 36 | 2000/01 Sem. 1 | Asas Grafik SCG 3023 |
| 37 | 1999/00 Sem. 2 | Projek Sarjana Muda I SCU 3032 |
| 38 | 1999/00 Sem. 2 | Asas Grafik SCG 3023 |
| 39 | 1999/00 Sem. 1 | Asas Grafik SCG 3023 |
| 40 | 1999/00 Sem. 1 | Teknologi & Sistem Maklumat DCM 1013 |
| 41 | 1998/99 Sem. 2 | Pengaturcaraan Fortran DCP 2052 |

42	1998/99 Sem. 2	Asas Grafik SCG 3023
43	1998/99 Sem. 1	Pengaturcaraan Fortran DCP 2052
44	1998/99 Sem. 1	Pengaturcaraan Fortran DCP 2052
45	1996/97 Sem. 2	Man and Machine Interface DCG2103
46	1996/97 Sem. 1	Man and Machine Interface DCG2103
47	1995/96 Sem. 2	Man and Machine Interface DCG2103

ACADEMIC SUPERVISION / EVALUATION (COMPLETED & ON-GOING)

Postgraduate Supervision (PhD)

1. Wang Hui Hui, Semantic Gap for Content Based Image Retrieval, June 2008 PhD in Computer Science (completed)
2. Pang Yee Yong, Vision-Based Hand Gesture for Route Planner Navigation, July 2009, PhD in Computer Science.
3. Gilbert Phuah Leong Siang, Integrating Natural User Interface into Musical Conducting Education, July 2009, PhD in Computer Science.
4. Qais Ali Alnuzaili, Offline Arabic Word Handwritten Recognition, July 2009, PhD in Computer Science.
5. Choo Yen Lee, Enhance Children Mathematic Self Learning Ability Through Multimodal Interaction, January 2011, PhD in Computer Science.
6. Nor Azrini Jaafar, A New Approach in Islamic Education: Computer Vision Based Techniques in Supporting Solat, July 2012, PhD in Computer Science.
7. Riszianty Sugiri, The Dyslexic User's Interface Support, July 2013, PhD in Computer Science.
8. Ismailiyanti Ismadi, Updating Real time For Tree Maintenance System: Case study for Oil Palm Plantation, July 2010, PhD in Computer Science.

Postgraduate Supervision (Master)

1. Abdul Arif Abdul Muttalib, Web Impact Factor of Higher Education Institution in Malaysia, September 2011, Master of Science (Computer Science).
2. Siti Azura Ramlan, Multimodal Interaction In Web-Based Personal Digital Photo Annotation, April 2008, Master of Science (Computer Science) Thesis. *(Completed)*
3. Mohd Sharul Hafiz Razak, Using PHP to compose and visualize hyperlink analysis: The Case of Malaysia State Government websites, July 2009, Master of Science (Computer Science)

4. Ruzimi, Electric Wheelchair With Multimodal Interaction For Physical Disability, Master of Science (Information Technology Enterprenual) Dissertation, April 2011 (Completed)
5. Developing a Multiple-choice Question Generator That Promotes Course Links and Administrative Control (2001) (Completed)
6. The Development of web creation and management tool for e-learning web pages (2001) (Completed)
7. Integrating Cognitive Level Theory in Web-based Assessment (2000) (Completed)
8. Web-based Learning Application: Basic Business Mathematics (2000) (Completed)

Examiner of Postgraduate Thesis / Dissertation

1. Lydia Ubong Jau, Master of Science, Thesis, Universiti Malaysia Sarawak (UNIMAS), 11 June 2011, Real-Time Video Segmentation Using Color Information and Connected Component Labeling: Application to road sign detection and recognition, (External examiner).
2. Muhammad Khairi Ismail, Master of Science (Computer Science), Thesis, Universiti Teknologi Malaysia (UTM), 18 April 2011, Water Reflection Element in Content Based Image Retrieval using Phase Congruency Edge Detection. (Internal examiner)

Undergraduate Supervision: Final Year Project (BSc)

1. Mohd Naim Shah bin Abd Rahim, 2010/11, Computer Control Using Hand Gesture Recognition
2. Sarah Nazirah binti Mod Razif, 2010/11, Playing Tetris Games With Hand Gesture
3. Mohd Akmal Azlan bin Jamal, 2010/11, Human Eye Detection in Images
4. Riszianty binti Sugiri, 2010/11, Social Media Monitoring Application
5. Siti Hajerah binti Azman, 2010/11, Webcam based Touclight/Laser Tracking For Human Computer Interaction
6. Lau Xiang Kee, 2010/11, Text Identification in Maps
7. Nor Azrini bt Jaafar, 2010/11, Email Application with Speech Interaction in Vehicle
8. Haslin Eliani bt Razak, 2009/10, Navigasi Al-Quran Berdasarkan Kawalan Suara
9. Siti Salbiah bt Mohd Salleh @ Harun, 2009/10, Navigasi Al-Quran Berdasarkan Pengecaman Pergerakan Tangan
10. Choo Yen Lee, 2009/10, Vision Based Hand Gesture Interaction for Kindergarden Application (*Faculty best innovation award*)

11. Nor Saiful Amlil bin Abd Hamid, 2009/10, Perjalanan Maya Kampus Menggunakan Google API
12. Alvino Yulian, 2010/11, Design and Development of University International student based cake PHP Framework
13. Nur Muhamad Rahim bin Radzuan, 2008/09, XHTML Meta Tags Editor for Search Engine Optimization
14. Mohd Sharul Hafiz bin Razak, 2008/09, Building Modular XHTML Webpage Using PHP/XML
15. Pang Yee Yong, 2008/09, Building Hand Gesture Interaction (*Faculty 2nd best project award*)
16. Gilbert Phuah Leong Siang, 2008/09, Speech Interaction in Controlling Media Player
17. Yussalina bt Mohd Yusop, 2007/08, Web-Based Semi-Automatic Digital Photo Annotation
18. Ezwin bt Ibrahim, 2002/03, Penerokaan N28 (FSKSM) Secara Maya
19. Farah bt Ramly, 2007/08, Development of Personalized Web Google Module for Medical Information visualization
20. Yussalina bt Mohd Yusop, 2007/08, Web-Based Semi-Automatic Digital Photo Annotation
21. Mohamad Fazal Bin Mohamad Sarwar, 2002/03, Pembangunan Web - Peramalan Kaji Cuaca Negeri Johor
22. Emelia Mardiana bt Samsi, 2002/03, Pengarangan dan Penerbitan Aplikasi Laman Web
23. Noraznina bt Mohd Ghazali, 2001/02, Digital Diary Online
24. Mohd Nizam bin Jamaludin, 2001/02, E-Dagang : Aplikasi Perniagaan Kepada Perniagaan Untuk Pengiklanan Kereta Terpakai
25. Mohd Zaimi bin Ab. Razak, 2001/02, Audio Editor
26. Khairulsafri bin Mohd Amin, 2001/02, Sistem Penilaian Dan Peperiksaan Berkomputer
27. Siti Nazuha bt Jamaludin, 2001/02, Penjanaan Soalan Objektif Secara Atas Talian Bagi Tujuan Penilaian Dalam Persekitaran E-learning
28. Siti Aida bt Shaikh Zakaria, 2001/02, Penjanaan Laman Web Melalui Templet Interaktif Secara Atas Talian
29. Fairul Nizam bin Ablah, 2001/02, Pembangunan Aplikasi Web Organiser untuk Penyimpanan dan Penghantaran Maklumat Menerusi Telefon Bimbit

30. Azhar Effendy bin Chik, 2001/02, Halaman Web : Menentukan Kerjaya dan Personaliti Berdasarkan Horoskop
31. Ho Cheah Luan, 2001/02, Sistem Pencapaian Imej Berasaskan Kandungan Menggunakan Warna
32. Jalina bt Jalin, 2001/02, Sistem Penjadualan Bilik Kuliah FSKSM berasaskan web
33. Yeo Ju Ying, 2001/02, Document Sharing In Collaborative Work Shared Workspace System
34. Mohd Airil bin Mohd Ali, 2001/02, Mortgage Analyzer
35. Mohamad Fazal bin Mohamad Sarwar, 2001/02, Pembangunan Web: Peramalan Cuaca
36. Suwarna Rani a/p Subramaniam, 2001/02, Sistem Pencarian Kerja Atas Talian
37. Rahime Zamahrafila bt Mulup, 2001/02, E-Bingkai Cermin Mata Menggunakan Teknik ASP
38. Nuurunuha binti Md Hatta, 2001/02, Panduan Waktu Solat Interaktif
39. Mohd Nor Haizam b. Samsun Baharun, 2001/02, Kamus Elektronik
40. Mohd Nizam bin Jamaludin, 2001/02, Perkhidmatan Pengiklanan Kereta Terpakai Melalui Internet
41. Ewe Chee Keong, 2000/01, Permainan Komputer berjenis turn-based
42. Zaki Iskandar bin Zakaria, 2000/01, 2D Grafik library - kesan hujan
43. Ang Chee Siang, 2000/01, Permainan Komputer
44. Fauzy bin Che Yayah, 2000/01, Permainan Komputer: "Musnah"
45. Raja Intan Mahtera Bt Raja Kamaludi, 2000/01, Realiti Maya: Penjualan Kereta
46. Norasyikin binti Mohd Zaid, 2000/01, Realiti Maya: Pengubahsuaian Perabot di Ruang Tamu
47. Bahrain bin Suffian, 2000/01, Pembangunan E-Learning : Visual Basic
48. Lily Marlina bt Ab Ghani, 2000/01, Multimedia Explorer
49. Mohd Nizar bin Mohtar, 2000/01, Client Tools : FTP, IRC, Telnet
- 50.** Nazri, 2000/01, Multimedia Explorer
- 51.** Lim Bee How, 2000/01, Computer Games: Howitzer Artillery

PROFESSIONAL DEVELOPMENT – TECHNICAL/SHORT COURSES ATTENDED

1. **Web Ethical & Information Security Workshop**
Centre for Info. Comm. & Technology (CICT), UTM Johor Bahru [4-8 July 2011]
2. **Pacific Science Congress**
Akademy of Sciences Malaysia, KLCC, Kuala Lumpur [14-17 Jun 2011]
3. **Bengkel Penjenamaan Staf UTM Siri 1 - Penulisan Dalam Media**
HRD Division, UTM Johor Bahru [8-9 Jun 2011]
4. **Bengkel Pelaksanaan E-Learning @UTM 2.0**
Centre of Teaching and Learning, Legacy Hotel, Melaka [10 -12 December 2010]
5. **Bengkel Inovasi Laman Web/Portal Sektor Awam 2010**
MAMPU, Putrajaya [28 November 2010]
6. **Pembangunan Aplikasi Menggunakan "iPhone Software Development Kit"**
Centre for Info. Comm. & Technology (CICT), UTM Johor Bahru [12 May 2010]
7. **Kursus Penyeliaan dan Penilaian Pengajian Siswazah**
School of Postgraduate Studies, UTM Johor Bahru [2-3 Aug 2006]
8. **Kursus Penilaian Tahap Kecekapan DS45/TK3**
HRD Division, UTM Johor Bahru [Dec]
9. **Kursus Penilaian Tahap Kecekapan DS52/TK4**
HRD Division, UTM Johor Bahru [Dec]

SEMINAR/SHORT COURSE CONDUCTED

1. **Pembangunan Web: Wordpress & Pelaksanaan Media Sosial Universiti**
Centre for Info. Comm. & Technology (CICT), UTM Johor Bahru [29 June 2011]
2. **Bengkel Laman Web Utm International Campus Kuala Lumpur**
UTM IC, Ancasa Hotel, Kuala Lumpur [14-15 March 2011]

MEDIA COVERAGE /FEATURES

1. Tipu umur jadi dewasa, 13 January 2012, Harian Metro (with Salman Hamat)
2. Upin & Ipin Ke 5 di Dunia, 11 January 2012, Harian Metro (with Salman Hamat)
3. Jaguh Siber, 3 October 2009, Harian Metro (with Zaini Ujang and Suliati Asri)

OTHER ACTIVITIES/RESPONSIBILITIES

1. Secretary and Committee Member of Rakan-Cop, Bandar Baru Kangkar Pulai [2010]
2. Committee Member, Malaysian Community of Loughborough [2003-2004]

