

Curriculum Vitae



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1. **Full Name** : DR. NAZRI BIN MOHD NAWI
 2. **Date of Birth** : 22-3-1973
 3. **Nationality** : MALAYSIAN
 4. **Home Address** : No 8, Jalan Manis 16, Taman Manis Fasa 2, Parit Raja,
86400, Batu Pahat, JOHOR DARUL TA'ZIM
(Tel: 607-4531763)

5. CONTACT ADDRESS

- Office** : Faculty of Information Technology and Multimedia,
Universiti tun Hussein Onn Malaysia (UTHM)
- Home** : No 8, Jalan Manis 16, Taman Manis Fasa 2, Parit Raja,
86400, Batu Pahat, JOHOR DARUL TA'ZIM

6. QUALIFICATIONS

Swansea University, U.K.	Ph.D	2007	Artificial Neural Networks Thesis title: ' <i>Computational Issues in Process Optimization using historical data</i> '.
Universiti Teknologi Malaysia, UTM.	M.Sc.	2001	Computer Science Thesis title: ' <i>On-Line Analytical Processing (OLAP) for Land Office in Johor Using Data warehouse Techniques and Oracle tools</i> '.
Universiti Sains Malaysia, USM.	B.Sc. (Hons)	1997	Computer Science Final year Project title: ' <i>The development of Intelligent Tutoring System (Mathematic) for secondary school using Visual C++</i> '.

7. POSITION

- (a) Position : Senior Lecturer
Employer : Universiti Tun Hussein Onn Malaysia (UTHM)
Duration : April 2009 - current
- (b) Position : Lecturer
Employer : Universiti Tun Hussein Onn Malaysia (UTHM)
Duration : From May 2001 to 2009
- (c) Position : Research Asistant
Employer : Swansea University, Wales UK
Duration : (1/1/2006 – 30/6/2006)
Job Scope : Developing algorithm for Casting process, present results in conference and seminar.
- (d) Position : System Engineer
Employer : Imatera Digital Image Service Sdn. Bhd, Ampang, Selangor
Duration : (1/7/1997-30/11/99)
Job Scope : Developing Land Office Registration System (SPTB) Phase I. Responsible for data modeling with Oracle Designer CASE tool, object/database/SQL/interface/library layer using Oracle v7. Also code re-factoring, query & transaction management, HP server e-class maintenance & set-up, database design & performance.

8. MANAGEMENT EXPERIENCE

2009 - 2011	Timbalan Dekan (Akademik & Antarabangsa) Fakulti Teknologi Maklumat dan Multimedia
2008 - 2009	Timbalan Dekan (Akademik & Antarabangsa) Fakulti Teknologi Maklumat dan Multimedia

9. PROFESSIONAL ACTIVITIES / RECOGNITION

- (a) Reviewer for International Conference on Science and Social Research (CSSR 2010), Kuala Lumpur, Malaysia.
- (b) Reviewer for International Conference on Intelligent Systems Design and Applications, 2008 (ISDA'08), Taiwan.
- (c) Reviewer for Malaysian Joint Conference on Artificial Intelligence (MJCAI 2009), Kuala Lumpur Malaysia.
- ~~(d) Program committee for The First International Workshop on Soft Computing and Data Engineering (SCDE - 2010), In Conjunction with DTA 2010, December 9 ~ 11, 2010 in Bali, Indonesia~~
- (e) Program committee for Proceedings of International Industrial Informatics Seminar (IIS 09), Jodjakarta, Indonesia, 15 August 2009.
- (f) Program committee for Second Conference on Data Mining & Optimization (DMO '09).

10. TEACHING EXPERIENCE

Topics taught

- 2009 Software Quality Assurance (BIT 3113), Sesi 20092010 Semester 2, UTHM
- 2009 Data Mining (BIT 3363), Sesi 20092010 Semester 2, UTHM
- 2008 Data Mining (BIT 3363), Sesi 20082009 Semester 1, UTHM
- 2008 Software Quality Assurance (BIT 3113), Sesi 20082009 Semester 2, UTHM
- 2007 Computer Security (BIT 3133), Sesi 20072008 Semester 1, UTHM
- 2007 Software Quality Assurance (BIT 3113), Sesi 20072008 Semester 2, UTHM
- 2003 Computer Programming (BTI 2133), Sesi 20032004 Semester 2, UTHM
- 2003 System Analysis and Design (BIT 2183), Sesi 20032004 Semester 1, UTHM
- 2003 Database and Networking (BEI 4034), Sesi 20032004 Semester 1, UTHM
- 2002 Object Oriented Programming (BEI 4053), Sesi 20022003 Semester 2, UTHM
- 2002 Computer Programming (DTI 1023), Sesi 20022003 Semester 2, UTHM
- 2002 Database and Networking (BEI 4034), Sesi 20022003 Semester 1, UTHM
- 2002 Database System (BTI 2083), Sesi 20022003 Semester 2, UTHM
- 2001 Database System (DTI 1083), Sesi 20012002 Semester 2, UTHM
- 2001 Skill 1 - Basic Networking (BTI 2816), Sesi 20012002 Semester 2, UTHM
- 2001 Skill on Accessing Information (BTI 1022), Sesi 20012002 Semester 1, UTHM
- 2001 Computer Programming (BEE 3053), Sesi 20012002 Semester 1, UTHM
- 2001 Computer Programming (DTI 1022), Sesi 20012002 Semester 1, UTHM
- 2001 Computer Application and Package (BTI 1122), Sesi 20012002 Semester 1, UTHM

Supervisor & Co-supervisor for MSc and PhD

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|------|--------------------------|--|-----------------------|-------------|
| 2010 | M.Sc. | Syed Muhammad, The development of back propagation neural networks (BPNN) to reduce the effects of vibrations caused by machines | Zubair Rehman Gillani | In progress |
| 2009 | Ph.D.
(Co-supervisor) | A Study on Traditional Malay Musical Instruments Sounds Classification System. | Norhalina Senan | In progress |

2008	Master in Engineering (Co-supervisor)	The Development of New STEP-NC Code Generator (GEN-MILL)	Noordiana Kassim	In progress
2008	M.Sc.	The Development of Data Analyzer for Early Detection of Oil Palm Devastating Fungus	Noorhamreeza binti Abdul Hamid	In progress

Examiner

2010	ROUGH SET APPROACH FOR CATEGORICAL DATA CLUSTERING	TUTUT HERAWAN (UTHM)	Ph.D.	Internal
2009	Hasten Dynamic Frame Slotted ALOHA (HDFSFA) Algorithm for Fast Identification in RFID System	Siti Mahfuzoh bt. Wasikon (UTHM)	M.Sc.	Internal
2008	Hierarchical Pattern-Based Clustering Algorithm for Grouping Web Transactions	Darena Syahida Suib (UTHM)	M.Sc.	Internal

Supervisor for Undergraduate

2010	Sistem Bantuan Keputusan Pemilihan Insuran Hayat Berasaskan Web	Fadzirah binti Abd Ali		Completed
2010	Sistem Bantuan Keputusan Pemilihan Pakej Umrah Berasaskan Web	Masdiana binti Yusof		Completed
2010	Web Based Marks Management System for PSM	Lee Kai Sin		Completed
2010	Sistem Pengurusan Penjaan soalan Kaji Selidik secara dalam talian	Norhanisah binti Sahar		Completed
2009	Sistem Pemantauan Penyelenggaraan Kenderaan UTHM	Faiz Maziah binti Katiman		Completed
2009	Sistem Bantuan Keputusan Penjanaan Soalan Peperiksaan C	Siti Nursaadah bt Mat Yusoff		Completed
2009	Sistem Bantuan Keputusan Pembelian Motorsikal Baru/Terpakai/Peralatan secara atas talian	Nor Armiera binti Muhammad		Completed
2009	Sistem Bantuan Keputusan Pemilihan Penyelia PSM secara atas talian	Nor Khairani binti Abd Karim		Completed

2003	On-line Industrial Information System Management in KUiTTHO	Cynthia Chung Syn Yuen	Completed
2003	FTK Inventory system	Khairil Fikri bin Dzulkornain	Completed
2003	FTK Web Based Laboratory and Equipment Booking System	Meor Shaiful Azuan bin Abu Said	Completed
2003	Sistem Online Kelab Bersepadu	Muhammad Rufi bin Muhidin	Completed
2003	Sistem Maklumat PNF Kledang secara Online	Nor Zamira bt. Othman	Completed
2003	Sistem Pengautomasian Pengurusan Komputer	Ramlan bin Palang	Completed
2003	Sistem Pengurusan katil hospital.	Sabrina bt. Syed Sultan	Completed
2003	Sistem Maklumat Pengurusan Tempahan Autoreka Intranet.	Suhaizal Bidin bin Jamaluddin	Completed
2003	On-line School Management System	Teo Pei Koo	Completed
2003	On-line Job Application in KUiTTHO	Akmarya Syukairilnisah bt. M. Akhir	Completed
2003	On-line Financial Management System for Cyber Café	Fairozmani bt. Sulaiman	Completed
2003	On-line Booking System of Lecture/Seminar /Theater/Examinations rooms/halls	Tey Pei Wei	Completed
2003	On-line KUiTTHO Hostel Management System.	Wong Suet Li	Completed
2002	Web-Based Knowledge Portal (eKnowledge).	Christopher Shim Kai Sheng	Completed
2002	Express Bus Ticketing System (EBTic).	Jenny Law Ngo Ling	Completed
2002	Taska KUiTTHO Software	Lydia Heng Yew Yen	Completed
2002	The development of Web page for Langkawi Tourism	Suriya A/L Eh Nop	Completed
2002	Sport and Student Unit Management System in KUiTTHO	Zainab Bt. Maarof	Completed
2002	Online Computer Buyer's Guide	Jailani bin Abdul Kadir	Completed
2002	On-line Student Practical Information System	Mohd Hanafi bin Basiran @ Basira	Completed
2002	On-line Car Buying and Renting Information system	Akmal bin Abdullah	Completed
2002	On-line School Library Information System	Fadli bin Bacho	Completed

11. RESEARCH ACTIVITIES

- (a) Topic : The Development of Data Analyzer for Early Detection of Oil Palm
Devastating Fungus
Position : PROJECT LEADER
Duration : November 2008 – May 2010
Total : RM 84,300.00
Grant : Ministry of Science Malaysia, MOSTE (e-Science Fund)
- (b) Topic : A New Method To Enhance The Computational Efficiency Of Data
Mining Classification Modeling Techniques By Introducing Optimal
Gain Parameter
Position : PROJECT LEADER
Duration : March 2010 – Feb 2013
Total : RM 48,300.00
Grant : Ministry of High Education, Malaysia/FRGS
- (c) Topic : A Novel Dynamic Ridge Polynomial Neural Network For the
Classification Of Seismic Signals at Merapi Volcano
Position : CO-RESEARCHER
Duration : March 2010 – Feb 2013
Total : RM 48,300.00
Grant : Ministry of High Education, Malaysia/FRGS
- (d) Topic : Application of a Novel Higher Order Neural Network to Improve Storm
Water Prediction as Precautionary Measure to Forecast Flood Disaster
Position : CO-RESEARCHER
Duration : Jan 2009 - June 2010
Total : RM 84,300.00
Grant : Ministry of Science Malaysia, MOSTE (e-Science Fund)
- (e) Topic : The Development Of Data Analyzer For Early Detection Of Oil Palm
Devastating Fungus
Position : PROJECT LEADER
Duration : July 2009 - July 2011
Total : RM 48,000.00
Grant : Universiti Tun Hussein Onn Malaysia / Postgraduate Incentive Grant

- (f) Topic : An efficient Back Propagation Neural Network algorithm for use in diagnosing and treatments for patients.
 Position : PROJECT LEADER
 Duration : September 2007 – September 2009
 Total : RM 10,000
 Grant : Universiti Tun Hussein Onn Malaysia/Short Term Grant
- (g) Topic : E-Asset and Inventory Management for Local University in Malaysia
 Position : PROJECT LEADER
 Duration : May 2003 – May 2004
 Total : RM 15,000
 Grant : Universiti Tun Hussein Onn Malaysia/Short Term Grant
- (h) Topic : Information Technology Needs in Industrial.
 Position : CO-RESEARCHER
 Duration : May 2002 – May 2003
 Total : RM 15,000
 Grant : Universiti Tun Hussein Onn Malaysia/Short Term Grant

12. PUBLICATIONS

Journals / Transactions

1. **Nazri Mohd Naw**i, Rozaida Ghazali, Mohd Najib Mohd Salleh, “An Approach to Improve Back-propagation algorithm by Using Adaptive Gain” *Accepted for publication in Soft Computing Methodologies and its Applications, Journal of Biomedical Soft Computing and Human Sciences, Vol 17, No. 1, July 2010.*
2. Rozaida Ghazali, **Nazri Mohd Naw**i and Mohd Najib Mohd Salleh, Dynamic Ridge Polynomial Neural Network with a Real Time Recurrent Learning Algorithm: Forecasting the S&P 500. *Accepted for publication in Soft Computing Methodologies and its Applications, Journal of Biomedical Soft Computing and Human Sciences, Vol 17, No. 1, July 2010.*
3. R. Ghazali, **N. Mohd Naw**i, M. Z. Mohd. Salikon. (2009). Forecasting the UK/EU and JP/UK trading signals using Polynomials Neural Networks. *International Journal of Computer Information Systems and Industrial Management Applications (IJCISIM). ISSN 2150-7988 Vol.1, No.2 (2009), pp. 55–62.*
4. Rozaida Ghazali, Abir Jaafar Hussain, **Nazri Mohd Naw**i and Baharuddin Mohamad (2009). Non-stationary and stationary prediction of financial time series using dynamic ridge polynomial neural network. *Neurocomputing, 72 (2009) 2359-2367.*
5. **N. M. Naw**i, M. R. Ransing, and R. S. Ransing: “An improved Conjugate Gradient

based learning algorithm for back propagation neural networks”, *International Journal of Computational Intelligence*, March 2007, Vol. 4, No. 1, pp. 46-55.

Books

1. Baharudin Mohamed, **Nazri Mohd Naw**i, Noraini Ibrahim, Norhalina Senan, Norhanim Selamat, Rahayu A. Hamid, Rozaida Ghazali, Ruhaya Abd. Aziz, Rathiah Hashim, Noorhaniza Hj. Wahid, Hj. Mohd Sazali Khalid (2002): “A Book on C: Fundamentals”, McGraw-Hill (Malaysia) Sdn. Bhd.

Proceedings and Conferences

1. Noordiana Kassim, Yusri Yusof, Saparudin Ariffin, **Nazri Mohd Naw**i and Nurul Zakiah Zamri Tan: “The Development of New STEP-NC Code Generator (GEN-MILL)”, Proceeding in the 2nd International Conference on Computer and Automation Engineering (ICCAE 2010), Singapore, 26 - 28, February 2010.
2. Norhalina Senan, Rosziati Ibrahim, **Nazri Mohd Naw**i:” A Study on Traditional Malay Musical Instruments Sounds Classification System”, Proceeding in iiWAS2009, Kuala Lumpur, Malaysia, 14-16 December 2009.
3. **Nazri Mohd Naw**i, R.S. Ransing, Mohd Najib Mohd Salleh, Rozaida Ghazali, Norhamreeza Abdul Hamid: “The Effect of Gain Variation in Improving Learning Speed of Back propagation Neural Network Algorithm on Classification Problems”, Proceeding in *Symposium on Progress in Information and Communication Technologies (SPICT'09)*, Malaysia, 7-8 December 2009.
4. Norhalina Senan, Rosziati Ibrahim, **Nazri Mohd Naw**i and Musa Mohd Mokji: “Feature Extraction for Traditional Malay Musical Instruments Classification System”, *Accepted for International Conference on Computing and Pattern Recognition (SocPar2009)*, Malaysia, 4-7 December 2009.
5. Norhamreeza Abdul Hamid, **Nazri Mohd Naw**i (2009): ” The Effect of Gain Variation of Activation Function in Improving Training Time of Back Propagation Neural Network on Classification Problems, Proceeding in *Kolokium Kebangsaan Pasca Siswazah Sains dan Matematik 2009*, UPSI, 21 December 2009 (KOLUPSI '09).
6. Mohd.Najib B. Mohd.Salleh, **Nazri Mohd Naw**i, Patrice Boursier: “Incomplete Information of Decision Support System for Planting Material Selection”, *Proceedings of International Joint Conference on INC, IMS and IDC*, Seoul, Korea, August 25-27, 2009.

- 7 **Nazri Mohd Naw**i, Rozaida Ghazali, Mohd Najib Mohd Salleh: "Performance Improvement of Back propagation Neural Network Learning Algorithms by Introducing Gain variation of activation function", *Proceedings of the 1st International Industrial Informatics Seminar (IIS 09)*, Jodjakarta, Indonesia, 15 August 2009, Vol 1, No 1, pp. 1-10.
- 8 **Nazri Mohd Naw**i, Rajesh S. Ransing, and Meghana R. Ransing: "A New Method to Improve the Gradient Based Search Direction to Enhance the Computational Efficiency of Back Propagation Based Neural Network Algorithms", *Proceedings of the 2008 Second Asia International Conference on Modelling & Simulation(AMS2008)*, Kuala Lumpur, 13-15th May 2008, pp. 546-552.
- 9 **N. M. Naw**i, M. R. Ransing, and R. S. Ransing: "Improving the gradient based search direction to enhance training efficiency of back propagation based neural network algorithms", *Proceedings of the 26th International Conference of Innovative Techniques and Applications of Artificial Intelligent (SGAI'06)*, Cambridge, UK, 11th-13th December, 2006, pp. 45-58.
- 10 **N. M. Naw**i, M. R. Ransing, and R. S. Ransing: "A new efficient search direction for conjugate gradient training methods", *Proceedings of the 3rd International Conference Artificial Intelligence in Engineering and Technology (ICAIET'06)*, Sabah, Malaysia, 22nd-24th November, 2006, pp. 176-181.
- 11 **N. M. Naw**i, M. R. Ransing, R. S. Ransing: "An improved learning algorithm based on the Broyden-Fletcher-Goldfarb-Shanno (BFGS) method for back propagation neural networks", *Proceedings of the 6th International Conference on Intelligent Systems Design and Applications (ISDA'06)*, Jinan, China, 16th-18th October, 2006, vol. 1, pp. 152-157.
- 12 **N. M. Naw**i, M. R. Ransing, and R. S. Ransing: "An improved learning algorithm based on the Conjugate Gradient method for back propagation neural networks", *Proceedings of the 14th International Conference on Computational and Information Sciences (ICIS '06)*, Prague, Czech Republic, 25th-27th August, 2006, vol. 14, pp. 211-215.