

CURRICULUM VITAE



BUTIR-BUTIR PERIBADI (Personal Details)			
Nama Penuh (<i>Full Name</i>)	Nor Azura Binti Husin		Gelaran (<i>Title</i>): Dr.
No. MyKad / No. Pasport (<i>Mykad No. / Passport No.</i>) 801211-10-5292	Warganegara (<i>Citizenship</i>) Malaysian	Bangsa (<i>Race</i>) Melayu	Jantina (<i>Gender</i>) Female
Jawatan (<i>Designation</i>) Senior Lecturer		Tarikh Lahir (<i>Date of Birth</i>)	11/12/1980

Alamat Semasa (<i>Current Address</i>)	Jabatan/Fakulti (<i>Department/Faculty</i>)	E-mel dan URL (<i>E-mail Address and URL</i>)
Faculty of Computer Science & Information Technology, 43000 UPM Serdang, Selangor. Tel: 03-89471654	Faculty of Computer Science & Information Technology	E-mail: n_azura@upm.edu.my URL: - H/P: 011-12819303

KELAYAKAN AKADEMIK (Academic Qualification)			
Nama Sijil / Kelayakan (<i>Certificate / Qualification obtained</i>)	Nama Sekolah Institusi (<i>Name of School / Institution</i>)	Tahun (<i>Year obtained</i>)	Bidang pengkhususan (<i>Area of Specialization</i>)
PhD	Universiti Putra Malaysia	2013	Artificial Intelligent
Master	Universiti Teknologi Malaysia	2008	Artificial Intelligent
Bachelor	Universiti Putra Malaysia	2004	Computer Science (Networking)
Diploma	Universiti Putra Malaysia	2000	Computer Science

KEMAHIRAN BAHASA (Language Proficiency)					
Bahasa / <i>Language</i>	Lemah <i>Poor (1)</i>	Sederhana <i>Moderate (2)</i>	Baik <i>Good (3)</i>	Amat Baik <i>Very good (4)</i>	Cemerlang <i>Excellent (5)</i>
English				/	
Bahasa Melayu					/

PEKERJAAN (<i>Employment</i>)				
<i>Majikan / Employer</i>	<i>Jawatan / Designation</i>	<i>Jabatan / Department</i>	<i>Tarikh lantikan / Start Date</i>	<i>Tarikh tamat / Date Ended</i>
UPM	Senior Lecturer	Computer Science	20 Mac 2014	-
UPM	Tutor	Computer Science	2005	2013
Geniursoft Sdn Bhd	Software Engineer	-	2004	2005

ANUGERAH DAN HADIAH (<i>Honours and Awards</i>)				
<i>Name of awards</i>	<i>Title</i>	<i>Award Authority</i>	<i>Award Type</i>	<i>Year</i>
<i>Academic Awards</i>	Anugerah Perkhidmatan Cemerlang (APC)	Universiti Putra Malaysia	Certificate and cash (RM1000)	2020
	UPM's Excellent Services Award	Universiti Putra Malaysia	Certificate	2007, 2008, 2009, 2016, 2017, 2018, 2019, 2020
	Excellent Lecturer Award	Faculty of Computer Science and Information Technology	Certificate	2016, 2020
	Pembimbing Pelajar Cemerlang	Faculty of Computer Science and Information Technology	Certificate	2020
	Best Paper Award	Journal of Telecommunication, Electronic and Computer Engineering	Certificate and Trophy	2018
<i>Non-Academic Awards</i>	Anugerah Geran Penyelidik Cemerlang	Faculty of Computer Science and Information Technology	Certificate	2018, 2019, 2020
	Putra InnoCreative Competition (PICTL2019)	Centre for Academic Development (CADE), UPM	Certificate and 1 Silver Medal	2019
	Putra InnoCreative Competition (PICTL2020)	Centre for Academic Development (CADE), UPM	Certificate and 2 Bronze Medal	2020
	CASH Virtual Innovation Competition 2020 (CASHVIC2020)	Computer Assisted System in Health, Education and Sustainable Development (CASH)	Certificate and 1 Bronze and 1 silver Medal	2020
	Pertandingan Fakulti / pusat Terbaik Amalan Inovasi Pengajaran dan Pembelajaran 2019: Third place	Centre for Academic Development (CADE), UPM	Cheque (RM2000) Certificate	2019
	Putra InnoCreative	Centre for	Certificate and	2018

	Competition (PICTL2018)	Academic Development (CADE), UPM	Silver Medal	
<i>Awards of Merit</i>	MIMOS Prestigious Award (MPA) 2014 (Best Thesis)	MIMOS Berhad	Trophy (RM5000) Cheque (RM5000) Certificate	2014

SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) (List of publications – author (s), title, journal, volume, page and year published)	
<i>Journal</i>	<ol style="list-style-type: none"> 1. Bahari, N.I.S., Muharam, F.M., Zulkafli, Z., Mazlan, N., Husin, N.A. (2120) Modified linear scaling and quantile mapping mean bias correction of modis land surface temperature for surface air temperature estimation for the lowland areas of peninsular malaysia. <i>Remote Sensing</i>, 13(13), 2589. 2. Zahir, M.H.M., Salim, M.Z., Muharam, F.M., ...Husin, N.A., Ali, S.M.F.S. (2021). Relationship between metisa plana and its parasitoids (Braconidae and ichneumonidae) at different time-lags in oil palm plantation. <i>Serangga</i>, 26(1), pp. 34–49. 3. Husin, N.A., Bahari, N.I.S., Hamdan, H., Ariffin, N.A.M., Aris, T.N.M. (2020). Data-driven neural network model for early self-diagnosis of dengue symptoms. <i>Journal of Theoretical and Applied Information Technology</i>, 2020, 98(24), pp. 4228–4238 4. Kamaruzaman, N.N., Husin, N.A., Mustapha, N., Yaakob, R. (2019). Towards a multimodal analysis to predict mental illness in twitter platform. <i>International Journal of Advanced Trends in Computer Science and Engineering</i>. 8(1.4 S1), pp. 126-130. 5. M Alali, NM Sharef, MAA Murad, H Hamdan, NA Husin. (2019). Narrow Convolutional Neural Network for Arabic Dialects Polarity Classification. <i>IEEE Access</i> 7, 96272-96283 6. NM Sharef, NA Husin, KA Kasmiran, MI Ninggal. (2019). Temporal Trends Analysis for Dengue Outbreak and Network Threats Severity Prediction Accuracy Improvement. <i>Journal of Digital Information Management</i> 17 (3), 123. 7. NM Sharef, YM Shafazand, MZA Nazri, NA Husin. (2018). Self-adaptive Based Model for Ambiguity Resolution of The Linked Data Query for Big Data Analytics. <i>International Journal of Integrated Engineering</i> 10 (6). 8. SA Manaf, N Mustapha, M Sulaiman, NA Husin, MRA Hamid. (2018). Artificial Neural Networks for Satellite Image Classification of Shoreline Extraction for Land and Water Classes of the North West Coast of Peninsular Malaysia. <i>Advanced Science Letters</i> 24 (2), 1382-1387 9. S Manaf, N Mustapha, M Sulaiman, N Husin, H Shafri, M Razali. (2018). Hybridization of SLIC and Extra Tree for Object Based Image Analysis in Extracting Shoreline from Medium Resolution Satellite Images. <i>Int. J. Intell. Eng. Syst</i> 11, 62-72. 10. Farrah Melissa Muharam, Siti Aisyah Ruslan, Siti Liyana Zulkafli, Norida Mazlan, Nur Azura Adam and Nor Azura Husin. (2017). <i>Remote Sensing Derivation of Land Surface Temperature for Insect Pest Monitoring</i>. <i>Asian Journal of Plant Sciences</i>. ISSN 1682-3974. 11. Syaifulnizam Abd Manaf, Norwati Mustapha, Md Nasir Sulaiman, Nor Azura Husin. M.N. Shah Zainuddin and Helmi Zulhaidi Mohd Shafri (2017). <i>Majoring Voting of Ensemble Classifiers to Improve Shoreline Extraction of Medium Resolution Satellite Images</i>. <i>Journal of Theoretical and Appkied Information Technology</i>. 95:18. 12. Syaifulnizam Abd Manaf, Norwati Mustapha, Md Nasir Sulaiman, Nor Azura Husin, Helmi Zulhaidi Mohd Shafri and Mohd Radzi Abdul Hamid (2017). <i>Quantitative Validation Assessment on Shorelines Extracted from Image Classification Techniques of Medium Resolution Satellite Images Based on</i>

	<p><i>Chage Analysis</i>. Journal of Telecommunication, Electronic and Computer Engineering (JTEC) ISSN: 2289-8131.</p> <p>13. Farrah Melissa Muharam, Nor Azura Husin, Norida Mazlan, Dzolkhifli bin Omar, Siti Aisyah Binti Ruslan, Mohammas Hilmi bin Mohd Zahir, Mohd Zafrullah bin Salim, Siti Liyana Binti Zulkafli. (2016). <i>Remote Sensing Derivation of Land Surface Temperature for Insect Pest Development and Cycle Based Studies</i>. Pertanika Journal of Scholarly Research Reviews (PJSRR).</p> <p>14. Nor Azura Husin, Norwati Mustapha, Md. Nasir Sulaiman, Razali Yaacob, Hazlina Hamdan, Masnida Hussin (2016). <i>Performance of Hybrid GANN in Comparison with Other Standalone Models on Dengue Outbreak Prediction</i>. Journal of Computer Science. 12(6): pp. 300-306.</p> <p>15. Syaifulnizam Abd Manaf, Norwati Mustapha, Md Nasir Sulaiman, Nor Azura Husin and Mohd Radzi Abdul Hamid. (2016). <i>Comparison of Classification Techniques on Fused Optical and SAR Image for Shoreline Extraction: A Case Study at Northeast Coast of Peninsular Malaysia</i>. Journal of Computer Science. ISSN 1549-3636.</p> <p>16. Masnida Hussin, Raja Azlina Raja Mahmood, Nor Azura Husin, Noris Mohd. Norowi (2016). <i>A Performance Optimization Model of Task Scheduling towards Green Cloud Computing</i>. International Journal of New Computer Architectures and their Applications (IJNCAA) 6(1): pp. 1-8. ISSN 2220-9085.</p> <p>17. Nor Azura Husin, Norwati Mustapha and Md. Nasir Sulaiman. (2013). <i>Hybridization of Genetic Algorithm and Neural Network on Predicting Dengue Outbreak</i>. International Journal on Information Technology (IREIT). 1(2): 1-6.</p> <p>18. Salim, Naomie and Husin, Nor Azura (2008) <i>A comparative study for back propagation neural network and nonlinear regression models for predicting dengue outbreak</i>. Jurnal Teknologi Maklumat, 20 (4). pp. 97-112. ISSN 0128-3790.</p>
<i>Books/Monographs</i>	<p>1. Nor Azura Husin (2019). Teaching Module SSK3000 Teknologi Maklumat dan Penggunaannya. Pengajian Jarak Jauh, UPM. UPM Education & Training Sdn. Bhd.</p>
<i>Chapter in book</i>	<p>1. Husin, N. A. and Salim, N. (2008) Prediction Models in Dengue Data Analysis. In. Ahmad Zaki Abu Bakar, Roliana Ibrahim (Edt.) <i>Database and Text Processing Applications</i>, pp. 113-138.</p>
<i>Proceedings</i>	<p>1. Ariffin, N.A.M., Abdulhalem, A.A., Husin, N.A. (2021). Text and Image: A new hybrid authentication Scheme. Journal of Physics: Conference Series, 1793(1), 012047.</p> <p>2. Bahari, N.I.S., Muharam, F.M., Zulkafli, Z., Mazlan, N., Husin, N.A. (2020). Assessment of MODIS land surface temperature data against ground meteorological data for the west coast of Peninsular Malaysia. 40th Asian Conference on Remote Sensing, ACRS 2019: Progress of Remote Sensing Technology for Smart Future.</p> <p>3. Kamaruzaman, N.N., Husin, N.A., Mustapha, N., Yaakob, R. (2019). Towards a multimodal analysis to predict mental illness in twitter platform. The 3rd International Conference on Innovation in Computer Science and Engineering (ICiCSE2019), Miri Sarawak, Malaysia, 26-28 June 2019.</p> <p>4. NA Husin, A Alharogi, N Mustapha, H Hamdan, UA Husin. (2018). Early self-diagnosis of dengue symptoms using fuzzy and data mining approach. AIP Conference Proceedings 2016 (1), 020048</p> <p>5. SA Manaf, N Mustapha, MN Sulaiman, NA Husin, MRA Hamid. (2018). Change analysis on historical shorelines extracted from medium resolution satellite images: a case study on the southern coast of Peninsular Malaysia. IOP Conference Series: Earth and Environmental Science 169 (1), 012101.</p>

	<ol style="list-style-type: none"> 6. M Alali, NM Sharef, H Hamdan, MAA Murad, NA Husin. (2018). Multi-layers convolutional neural network for twitter sentiment ordinal scale classification. International Conference on Soft Computing and Data Mining, 446-45. 7. MAA Murad, NA Husin. (2018). Multi-layers Convolutional Neural Network for Twitter Sentiment Ordinal Scale Classification. International Conference on Soft Computing and Data Mining (SCDM 2018), Johor, Malaysia, February 06-07, 2018. 8. Syaifulnizam Abd Manaf, Norwati Mustapha, Md Nasir Sulaiman and Nor Azura Husin and Helmi Zulhaidi Mohd Shafri (2017). Validation Assessment of Shoreline Extraction on Medium Resolution Satellite Image. AIP Conference Proceeding 2017. 1891:1. 9. Syaifulnizam Abd Manaf, Norwati Mustapha, Md Nasir Sulaiman and Nor Azura Husin. (2016). <i>Monitoring Shoreline Change in West Coast of Peninsular Malaysia using Statistical Analysis Techniques</i>. 37th Asian Conference on Remote Sensing (ACRS 2016). 18-20 Oct 2016, Colombo, Sri Lanka. 10. Masnida Hussin, Raja Azlina Raja Mahmood, Nor Azura Husin, Noris Mohd. Norowi. (2015). <i>A Performance Modeling Framework for Energy-based Scheduling in Cloud</i>. Proceeding of Third International Conference on Green Computing. Technology and Innovation (ICGCTI2015), Serdang, Malaysia. 11. Syaifulnizam Abd Manaf, Norwati Mustapha, Helmi Zulhaidi Mohd Shafri, Md Nasir Sulaiman and Nor Azura Husin. (2015). <i>Comparison between Pixel-Based Classifications Using Radar Satellite Image in Extracting Massive Flood Extent at Northern Region of Peninsular Malaysia</i>. 5th Conference on Computing and Informatics, ICOCI 2015. 11-13 August 2015 Istanbul, Turkey. 12. Syaifulnizam Abd Manaf, Norwati Mustapha, Md Nasir Sulaiman and Nor Azura Husin. (2015). <i>Comparison on Machine Learning Methods for Pixel Based Classification of TerraSAR Image in Flood Detection</i>. Information Technology Colloquium 2015 (INTEC 2015). 13. Nor Azura Husin, Norwati Mustapha, Md. Nasir Sulaiman and Razali Yaakob. (2012). <i>A Hybrid Model using Genetic Algorithm and Neural Network for Predicting Dengue Outbreak</i>. 4th Conference on Data Mining and Optimization (DMO) 14. Husin, N.A., Salim. N. and Ahmad. A.R. (2008). <i>Modeling of Dengue Outbreak Prediction in Malaysia: A Comparison of Neural Network and Nonlinear Regression Model</i>. International Symposium on Information Technology (ITSIM 2008). 1-4. 15. Sitanggang I.S., Husin, N.A, Agustina, A. and Mahmoodian N. (2010). <i>Sequential Pattern Mining for Library Transaction Dataset</i>. International Symposium on Information Technology (ITSIM 2010). 1-4. 16. Husin, Nor Azura and Salim, Naomie and Ahmad, Ab Rahman (2006) <i>Simulation of Dengue Outbreak Prediction</i>. In: Postgraduate Annual Research Seminar 2006 (PARS 2006), 24 - 25 Mei 2006, Postgraduate Studies Department FSKSM, UTM Skudai.
Other publications	<ol style="list-style-type: none"> 1. Rencana Utama: <i>Capaian Maklumat dengan Kod Q: Akses Maklumat Secara Lebih Praktikal</i>. Kosmo 28 Ogos 2019: Utusan Melayu (M) Berhad. Bil: 114. Pg. 22-23. 2. Artikel Infiniti. <i>Urus Niaga Tanpa Tunai E-Dompet: Malaysia Perkukuh Perkhidmatan Tanpa Tunai</i>. Kosmo 10 Januari 2018. Utusan Melayu (M) Berhad. Bil: 114. Pg. 31 3. Laporan <i>Penyebaran berita palsu boleh didakwa menerusi Akta Komunikasi</i>. Kosmo 9 Februari 2017: Utusan Melayu (M) Berhad. Bil: 139. Pg. 9. 4. Artikel Bestari. <i>Bina Kreativiti, Inovasi: ICT Tingkat Kemahiran Berfikir</i>. Harian Metro 22 Ogos 2016: The New Straits Times Press (Malaysia) Bhd. PP/7273

	<p>5. Laporan <i>Laman sosial Cheongster kongsi isteri ditutup</i>. Kosmo 16 Ogos 2016. Utusan Melayu (M) Berhad. Bil: 300. Pg. 3.</p> <p>6. Artikel <i>Laporan Khas Perangkap Cinta Alam Maya</i>. Majalah Wanita November 2015. Bil. 555. Pg. 91-92. ISSN 0126-544x</p> <p>7. Rencana utama: <i>Potensi Mara Digital sebagai hab ICT</i>. Kosmo 22 Disember 2015. Utusan Melayu (M) Berhad. Bil: 98. Pg. 24.</p>
Computer software	

PROJEK PENYELIDIKAN TERDAHULU(Past Research Project)					
<i>Project No.</i>	<i>Project Title</i>	<i>Role</i>	<i>Year</i>	<i>Source of fund</i>	<i>Status</i>
05-01-11-1260RU (RM: 15000.00)	A Hybrid Model of Genetic Algorithm and Neural Network Model for Predicting Dengue Outbreak	Researcher	2011-2013	RUGS	Completed
10214 (RM: 180330.00)	Forecasting and Decision Support Systems for Brown Planthopper in MADA Granary.	Researcher	April 2016- Sep 2017	LRGS PADI	Completed
01-01-04-SF2291 (RM: 202400.00)	Spatial-Temporal Data Mining Model for Shoreline Detection and Prediction in Peninsular Malaysia	Researcher	1 Oct 2015 – 2020	Science Fund	On going
9522600 (RM: 49200.00)	Early Detection of Dengue Fever using Hybrid Model	Leader	1 April 2017-31 October 2019	Geran Putra Inisiatif Putra Muda	On going
6369105 (RM101000.00)	A Cloud-Based Insect Counting System for Counting Down Brown Planthopper Population in Paddy Fields	Researcher	1 January 2017- December 2020	Geran Penyelidikan HiCoE ITAFoS (KPT)	On going
9323720 (RM:10500.00)	Developing online performance evaluation tool for assessing student participant in community services for course assessment in UPM	Researcher	1 Nov 2017- 30 Oct 2019	GIPP	On going
9569200 (RM:50000.00)	Towards Scalable Instance-Based Ontology Matching Heterogeneous Semantic Web Data	Researcher	15 Nov 2017 – 15 Nov 2019	FRGS	On going
9323712 (RM:9000.00)	Designing a construction web based collaborative learning tool to encourage group learning activities among undergraduate computer science	Researcher	1 Sept 2017 – 31 Aug 2019	GIPP	On going

	students in Universiti Putra Malaysia				
9682000 (RM20000.00)	Multimodal Fusion Model to predict Mental Illness from Social Media Platform	Leader	15 Nov 2019 – 14 Mac 2023	GP-IPS	On going
367911 (RM115,500.00)	Multimodal Hierarchical Fusion Feature Model Incorporating Attention Mechanism with World Level Alignment	Leader	1 Nov 2020 – Oct 2023	FRGS	On-going