

CURRICULUM VITAE



A. BUTIR-BUTIR PERIBADI (<i>Personal Details</i>)			
Nama Penuh (<i>Full Name</i>)	Hazlina Hamdan		Gelaran (<i>Title</i>): Dr
No. MyKad / No. Pasport (<i>Mykad No. / Passport No.</i>) 740704-04-5260	Warganegara (<i>Citizenship</i>) Malaysian	Bangsa (<i>Race</i>) Malay	Jantina (<i>Gender</i>) Female
Jawatan (<i>Designation</i>)	Senior Lecturer		

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 and Information Technology, University Putra Malaysia, 43400 Serdang Selangor Tel:	Department of Computer Science Tel: 03-97691968 Fax:	E-mail: hazlina@upm.edu.my URL: http://profile.upm.edu.my/hazlina H/P: 013-3417475

B. KELAYAKAN AKADEMIK (<i>Academic Qualification</i>)			
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 in Computer Science	University of Nottingham	2013	Artificial Intelligence (Machine Learning)
Master of Computer Sciences	Universiti Malaya	2004	Artificial Intelligence (Neural Network)
Bachelor of Science (Hons.)	National University of Malaysia - Universiti Teknologi MARA	1997	Computer Science
Diploma in Computer Science	University Putra Malaysia	1995	

C. KEMAHIRAN BAHASA (<i>Language Proficiency</i>)					
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				√	
Chinese					
Lain-lain (<i>other</i>):					

D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN (<i>Scientific experience and Specialisation</i>)

<i>Organization</i>	<i>Position</i>	<i>Start Date</i>	<i>End Date</i>	<i>Expertise</i>

E. PEKERJAAN (*Employment*)

<i>Majikan / Employer</i>	<i>Jawatan / Designation</i>	<i>Jabatan / Department</i>	<i>Tarikh lantikan / Start Date</i>	<i>Tarikh tamat / Date Ended</i>
University Putra Malaysia	Lecturer	Computer Science	March 2005	Oct 2013
University Putra Malaysia	Tutor	Computer Science	Nov 1999	Feb 2005
Telekom Applied Business	Analyst Programmer		July 1997	Oct 1999

F. ANUGERAH DAN HADIAH (*Honours and Awards*)

<i>Name of awards</i>	<i>Title</i>	<i>Award Authority</i>	<i>Award Type</i>	<i>Year</i>
<i>Academic Awards</i>	3D Coronary Artery (Gold)	Invention, Innovation & Design Competition (IID FKE 2019)		2019
<i>Academic Awards</i>	Managing veterinary Problem-Based Learning(PBL) class using an electronic teaching and learning tool. (Silver medal)	The International Invention, Innovation & Design Competition (IIID JOHOR 2017)		2017
<i>Academic Awards</i>	MyVETPBLTM: A problem-based learning (PBL) tool for veterinary education in Universiti Putra Malaysia (UPM) (Bronze medal)	International University Carnival on e-Learning (IUCEL 2016), UTM		2016
<i>Academic Awards</i>	UPM's Excellent Service Award (Certificate)	University Putra Malaysia		2020, 2019, 2018, 2017, 2013, 2005, 2004
<i>Academic Awards</i>	FSKTM Excellent Teaching Award	Faculty of Computer Science and Information Technology, UPM		2017, 2016, 2015, 2006
<i>Academic Awards</i>	Back Propagation Neural Network for the Prognosis of Breast Cancer (Bronze medal)	UPM Invention and Innovation Competition		2005
<i>Academic Awards</i>	Application of AI Techniques in Medical Prognosis (Silver Medal)	University of Malaya, Invention Research & Innovation Exhibition		2005
<i>Non-Academic</i>				

Awards				
Awards of Merit				

G. 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. Bilal Ahmed, Hazlina Hamdan, Abdullah Muhammed, Nor Azura Husin (2022). Review on the parameter settings in harmony search algorithm applied to combinatorial optimization problems. The Indonesian Journal of Electrical Engineering and Computer Science (IJECS). http://doi.org/10.11591/ijeecs.v27.i1.pp431-441 2. Alali, M., Sharef, N.M., Murad, M.A.A., Hamdan, H., Husin, N.A. (2022). Multitasking Learning Model Based on Hierarchical Attention Network for Arabic Sentiment Analysis Classification. Electronics (Switzerland), 2022, 11(8), 1193. https://doi.org/10.3390/electronics11081193 3. Malekpour Heydari S, Aris TNM, Yaakob R, Hamdan H. (2021). Data-Driven Forecasting and Modeling of Runoff Flow to Reduce Flood Risk Using a Novel Hybrid Wavelet-Neural Network Based on Feature Extraction. <i>Sustainability</i>. 2021; 13(20):11537. https://doi.org/10.3390/su132011537 4. Suhaili Beeran Kutty, Rahmita Wirza O. K. Rahmat, Sazzli Shahlan Kassim, Hizmawati Madzin, Hazlina Hamdan (2021). An algorithm to measure unsymmetrical circle shape of intravascular ultrasound image using image processing techniques. Bulletin of Electrical Engineering and Informatics, 2021, 10(1), pp. 508–515. 5. Alwatben Batoul Rashed, Hazlina Hamdan, Nurfadhline Mohd Sharef, Md Nasir Sulaiman, Razali Yaakob and Mansir Abubakar (2020). Multi-objective clustering algorithm using Particle Swarm Optimization with crowding distance (MCPSO-CD). International Journal of Advances in Intelligent Informatics, Vol 6, No 1 pp 72-81. 6. Deng Ting, Hazlina Hamdan, Khairul Azhar Kasmiran and Razali Yaakob (2020). Federated Learning Optimization Techniques For Non-IID Data: A Review. International Journal of Advanced Research in Engineering and Technology (IJARET) Volume 11, Issue 12, pp.1315-1329, 7. Huey Fang Ong, Norwati Mustapha, Hazlina Hamdan, Rozita Rosli and Aida Mustapha (2020). Informative top-k class associative rule for cancer biomarker discovery on microarray data. Expert Systems with Applications. Volume 146, 15 May 2017, 146 (2020) 113169 8. Nor Azura Husin, Nurul Iman Saiful Bahari, Hazlina Hamdan, Noor Afiza Mohd Ariffin and Teh Noranis Mohd Aris (2020). Data Driven Neural Network Model For Early Self-Diagnosis Of Dengue Symptoms. Journal of Theoretical and Applied Information Technology, Vol.98(24), pp 4228-4238. 9. Suhaili Beeran Kutty, Rahmita Wirza O.K Rahmat, Sazzli Shahlan Kassim, Hizmawati Madzin, Hazlina Hamdan (2020). An algorithm to measure unsymmetrical circle shape of intravascular ultrasound image using image processing techniques. In International Journal of Institute of Advanced Engineering and Science , Vol 10, No 1. 10. Glory Urekwere Orlu, Noraini Che Pa, Rodziah Binti Atan, Hazlina Bt Hamdan (2020). Influential Elements Of Selection Outsourcing Provider in IT
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	<p>Governance. Journal of Theoretical and Applied Information Technology, Vol.98(22), pp 3582-3590.</p> <p>11. Che Pa, Noraini & Ali, Norhayati & Aris, Noranis & Atan, Rodziah & Ban, Ainita & Hamdan, Hazlina & Thamaratul Izzah Azman. (2020). Assessment of Instrument Reliability and Validity on Requirement Reuse Practices in Malaysia. Journal of Theoretical and Applied Information Technology, Vol.98(6), pp 970-981.</p> <p>12. Mansir Abubakar, Hazlina Hamdan, Norwati Mustapha, Teh Noranis Mohd Aris (2019). A data-driven model for ontology property alignment. International Journal of Advanced Trends in Computer Science and Engineering, Vol.8(1.4 SI), pp 158-164</p> <p>13. Mansir Abubakar, Hazlina Hamdan, Norwati Mustapha, Teh Noranis Mohd Aris (2019). Bootstrapping Instance-Based Ontology Matching via Unsupervised Generation of Training Samples. Journal of Theoretical and Applied Information Technology, Vol.97(6), pp 1832-1844.</p> <p>14. Muath Alali, Nurfadhline Mohd Sharef, Masrah Azrifah Azmi Murad, Hazlina Hamdan, Nor Azura Husin (2019). Narrow Convolutional Neural Network for Arabic Dialects Polarity Classification. IEEE Access. PP. 1-1. 10.1109/ACCESS.2019.2929208.</p> <p>15. Salfarina A, Sazly A, Marzanah A. J, Yusmadi Y. J, Hazlina H (2019). Characterizing Knowledge Utilization During Software Design Process using PKAMI Model International Journal of Advanced Science and Technology, Vol. 28(2) pp 348-354.</p> <p>16. Che Pa, Noraini & Ali, Norhayati & Aris, Noranis & Atan, Rodziah & Ban, Ainita & Hamdan, Hazlina & Ariffin, Mohamed. (2019). Designing an Instrument to Conduct a Survey on Requirement Reuse Practices in Malaysia. International Journal of Innovation in Enterprise System. 3. 1-8. 10.25124/ijies.v3i02.35.</p> <p>17. Salimeh Malekpour Heydari, Teh Noranis Mohd Aris, Razali Yaakob, Hazlina Hamdan (2019). An Analysis of Flood Forecasting Criteria International Journal of Advanced Trends in Computer Science and Engineering, Vol.8(1.4 SI), pp 145-151.</p> <p>18. Mansir Abubakar, Hazlina Hamdan, Norwati Mustapha, Teh Noranis Mohd Aris (2018). Attributes Correspondence Discovery in Ontology Instance-based Matching and RDF Data Linkage using Clustering Method International Journal of Engineering & Technology, Volume 7, Number 4, pp. 290-297.</p> <p>19. Alwatben Batoul Rashed A, Hazlina Hamdan, Nurfadhline Mohd Sharef, Md. Nasir Sulaiman, Razali Yaacob (2018). Multi-Objective PSO-fuzzy Optimization Approach to Improve Interpretability and Accuracy in Medical Data. International Journal of Engineering & Technology, Volume 7, Number 4, pp. 316-321.</p> <p>20. Abdullah, S., Hamdan, H. and Anuar, S. (2018). Supporting Sustainability and Healthy Learning Environment through Smart Green Management System (SGMS). Journal of Physics: Conference Series, Volume 1019, Number 1, pp. 1-5.</p> <p>21. Nor Azura Husin, Akram Saleh Naseer Al-Harogi, Norwati Mustapha, Hazlina Hamdan, Umami Amalina Husin (2018). Fuzzy Rules Based System for Early Self-Diagnosis of Dengue Symptoms. International Journal of Engineering & Technology, Volume 7, Number 4, pp. 458-363.</p>
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	<p>22. Fang, Ong Huey, Mustapha, Norwati, Mustapha, Aida, Hamdan, Hazlina, Rosli, Rozita (2017). Associative Classification Framework for Cancer Microarray Data. Journal of Advanced Science Letters, Volume 23, Number 5, May 2017, pp. 4153-4157(5).</p> <p>23. Teh Noranis Mohd Aris, Maslina Zolkepli, Noraini Che Pa, Hazlina Hamdan (2017). Fuzzy Logic Model for Flood Warning Expert System Integrating Multi-Agent and Ontology. Journal of Engineering and Applied Sciences, Volume 12(12), pages 3124-3129.</p> <p>24. Nor Azura Husin, Norwati Mustapha, Md. Nasir Sulaiman, Razali Yaacob, Hazlina Hamdan and Masnida Hussin (2016). Performance of Hybrid GANN in Comparison with Other Standalone Models on Dengue Outbreak Prediction. Journal of Computer Science. Volume 12, Issue 6, Pages 300-306.</p> <p>25. Teh Noranis Mohd Aris, Hazlina Hamdan, Noraini Che Pa, Shahrin Azuan Nazeer (2016). An Agent-Based Ontology Fuzzy Logic Conceptual Model For Flood Warning Prediction. International Journal Of Advances In Electronics And Computer Science (IJAECs). Volume-3, Issue-2, Pages 83-86</p> <p>26. Sharef, N.M., Hamdan, H., Madzin, H. (2014). Innovation-enhanced rubrics assessment for final year projects. Global Journal of Engineering Education, Volume 16, Issue 3, 2014, Pages 129-135.</p> <p>27. Azizul Isha, Nor Azah Yusof, Mazura Abdul Malik and Hazlina Hamdan (2007). Simultaneous spectrophotometric determination of Pb(II) and Cd(II) using artificial Neural Networks. Journal of Physical Science. Vol. 18(1).</p> <p>28. Azizul Isha, Nor Azah Yusof, Mazura Abdul Malik and Hazlina Hamdan (2006). Application of Artificial Neural Network to simultaneous spectrophotometric Determination of lead(II) and Mercury(II) based on 2-(5-Bromo-2-Piridylazo)-5-Diethylaminophenol. Malaysian Journal of Chemistry. 8(1): 072-078. (Non-Cited Journal)</p>
<i>Books/Monographs</i>	
<i>Chapter in book</i>	<p>1. Mansir Abubakar, Hazlina Hamdan, Norwati Mustapha, Teh Noranis Mohd Aris (2018). Instance-Based Ontology Matching: A Literature Review. In Recent Advances on Soft Computing and Data Mining, Advances in Intelligent Systems and Computing, pp. 456–469 (ISBN 978-3-319-72550-5).</p> <p>2. Muath Alali, Nurfadhilina Mohd Sharef, Hazlina Hamdan, Masrah Azrifah Azmi Murad, Nor Azura Husin (2018). Multi-layers Convolutional Neural Network for Twitter Sentiment Ordinal Scale Classification. In Recent Advances on Soft Computing and Data Mining, Advances in Intelligent Systems and Computing, pp. 446–454 (ISBN 978-3-319-72550-5).</p>
<i>Proceedings</i>	<p>1. Heydari, S. M., Aris, T. N. M., Yaakob, R., & Hamdan, H. (2019). Hydrological modeling of murray river basin using the hydrological simulation program-FORTRAN model. Proceeding - 2019 IEEE 7th Conference on Systems, Process and Control, ICSPC 2019, 237-241. doi:10.1109/ICSPC47137.2019.9068009</p> <p>2. Ong Huey Fang, Norwati Mustapha, Aida Mustapha, Hazlina Hamdan (2018). Biomarker Discovery On Microarray Data Using Integrated Associative Classification. Proceedings of the 3rd International Conference on Molecular Diagnostics and Biomarker Discovery.</p> <p>3. Nor Azura Husin, Akram Saleh Naseer Al-Harogi, Norwati Mustapha, Hazlina Hamdan, Ummi Amalina Husin (2018). Early Self-Diagnosis of Dengue</p>

	<p>Symptoms Using Fuzzy and Data Mining Approach . Proceedings of the 3rd International Conference on Applied Science and Technology (ICAST'18)</p> <ol style="list-style-type: none"> 4. Ahmad Riza'ain Yusof, Nur Izura Udzir, Abdullah, Ali Selamat, Hazlina Hamdan, Mohd Taufik (2017). Adaptive feature selection for denial of services (DoS) attack. In Application, Information and Network Security (AINS), 2017 IEEE Conference (pp 81-84). 5. Noraini Che Pa, Sa'adah Hassan, Hazlina Hamdan, & Faizal Abdul Karim. (2017). Towards sustainable information system through green design. In proceedings of the 6th International Conference on Computing & Informatics (pp 607-612). 6. Norwati Mustapha, Aida Mustapha, Hazlina Hamdan, Rozita Rosli (2016). Association Rule Mining, Associative Classification, Microarray, Gene expression. In the 2016 Advanced Research in Engineering and Information Technology International Conference, Bandung, Indonesia. 7. Suhaili Beeran Kutty, Rahmita Wirza O.K Rahmat, Sazzli Shahlan Kassim, Hizmawati Madzin, Hazlina Hamdan (2016). Lumen area and border detection of coronary artery using parametric deformable model. In Proceedings of the 6th International Conference On Science And Technology (ICSTIE 2016) Park Royal Resort, Penang. 8. Suhaili Beeran Kutty, Rahmita Wirza O.K Rahmat, Sazzli Shahlan Kassim, Hizmawati Madzin, Hazlina Hamdan (2016). Catheter Detection Using Threshold Value Normalization and Labeling for Automatic Initialization in Intravascular Ultrasound Segmentation. In Proceedings of the International Conference on Computer Assisted System in Health (CASH2016) Kuala Lumpur, Malaysia. 9. Wan Mastura Shaik Mossadeq Gayathri Thevi Selvarajah, Idawaty Ahmad, Hazlina Hamdan, Siti Suri Arshad (2016). MyVetPBL: A problem based learning (PBL) tool for veterinary education in Universiti Putra Malaysia. In International University Carnival on e-Learning (IUCEL 2016), UTM Sekudai. 10. Teh Noranis Mohd Aris, Hazlina Hamdan, Noraini Che Pa and Shahrin Azuan Nazeer (2015). An Agent-based Ontology Fuzzy Logic Conceptual Model For Flood Warning Prediction. In the Academic World International Conference 2015. 11. Hamdan, H. and Garibaldi, J. M. (2014). Automatic Generation of ANFIS Rules in Modelling Breast Cancer Survival. In Proceedings of the International Conference on Computer Assisted System in Health (CASH 2014). 12. Nurfadhlin Mohd Sharef, Hazlina Hamdan, Noraini Che Pa, Fatimah Khalid, Ahmad Alauddin Ariffin, Razali Yaakob, Lili Nurliyana Abdullah (2013). Rubrics-Based Evaluation for Final Year Project in Computer Science. In Proceedings of the International Conference on Engineering Education 2013, pages 231-238. 13. L.S. Affendey, I. Ishak, F. Sidi, N.F. Mohd. Sani, H. Hamdan, S. Baharom, M.Hussin (2013). Assessment Of Learning Outcomes Using Scoring Rubrics. In International Conference On Assessment for Higher Education Across Domains and Skills (AHEADS2013). 14. Hamdan, H. and Garibaldi, J. M. (2012). A Framework for Automatic Modelling of Survival using Fuzzy Inference. In Proceedings of the 2012 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), pages 1- http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6251359
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	<ol style="list-style-type: none"> 15. Hamdan, H. and Garibaldi, J. M. (2010). An investigation of the effect of the input representation in ANFIS modelling of breast cancer survival. In proceedings of the 2nd International Joint Conference on Computational Intelligence (IJCCI 2010). 16. Hamdan, H. and Garibaldi, J. M. (2010). Adaptive neuro-fuzzy inference system (ANFIS) in modelling breast cancer survival. In Proceedings of the 2010 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), pages 573–580. http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5583997 17. Hamdan, H. and Garibaldi, J. M. (2009). Modelling survival prediction in medical data. In Proceedings of the 9th Annual Workshop on Computational Intelligence (UKCI 2009). 18. Azizul Isha, Nor Azah Yusof, Mazura Abdul Malik and Hazlina Hamdan (2007). Simultaneous spectrophotometric determination of Pb(II) and Cd(II) using artificial Neural Networks. In Proceedings of 2005 Asian Conference on Sensors and the International Conference on New Techniques in Pharmaceutical and Biomedical Research, pp. 200-203. 19. Hazlina Hamdan, Sameem Abdul Kareem, Nur Aishah Mohd Taib and Yip Cheng Har (2004). Back Propagation Neural Network For The Prognosis of Breast Cancer: Comparison on different Training Algorithms. In Proceedings of the Second International Conference on Artificial Intelligence in Engineering & Technology 2004, Kota Kinabalu Sabah, 3-5 August 2004. 20. Hazlina Hamdan, Sameem Abdul Kareem, Nur Aishah Mohd Taib and Yip Cheng Har (2004). The Prognosis of Breast Cancer: A Comparison of Different Neural Network Architectures. In Proceedings of the Joint International Conference on Informatics and Research on Women in ICT (RWICT) 2004, Putra World Trade Centre, Kuala Lumpur, 28-30 July 2004, pp. 173-180. 21. Hazlina Hamdan, Sameem Abdul Kareem, Nur Aishah Mohd Taib and Yip Cheng Har (2004). The Prognosis Of Breast Cancer Using Backpropagation Neural Network. In Proceedings of Information Technology Colloquim 2004 (INTEC 2004), UPM Malaysia, 1 June 2004.
<i>Other publications</i>	<ol style="list-style-type: none"> 1. Norhayati Mohd.Ali, Hazlina Hamdan, Azrul Hazri Jantan, Hamidah Ibrahim, Zurina Mohd Hanapi, Nur Izura Udzir (2015). Project Guideline for Master of Computer Science by Coursework, FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY.
<i>Computer software</i>	<p>Copyright</p> <ol style="list-style-type: none"> 1. Wan Mastura Shaik Mossadeq Gayathri Thevi Selvarajah, Idawaty Ahmad, Hazlina Hamdan, Siti Suri Arshad (2015). MyVetPBL. 2. Fatimah Sidi, Iskandar Ishak, Marzanah A.Jabar, Norhasmah Sulaiman, Lilly Suriani Affendey, Hazlina Hamdan (2013). Food Security Locating System. 3. Fatimah Sidi, Paiman Bin Bawon, Ali Mamat, Hamidah Ibrahim, Iskandar Ishak, Marzanah A.Jabar, Lilly Suriani Affendey, Hazlina Hamdan (2013). Forest Health Monitoring System. 4. Lilly Suriani Affendey, Muhammad Syazwan Shohaimi, Hazlina Hamdan, Fatimah Sidi, Paiman Bin Bawon, Ali Mamat, Hamidah Ibrahim, Iskandar Ishak, Marzanah A.Jabar, (2013). Mobile Flora Information System 5. Iskandar Ishak, Fatimah Sidi, Paiman Bin Bawon, Ali Mamat, Hamidah Ibrahim,

H. PROJEK PENYELIDIKAN TERDAHULU (<i>Past Research Project</i>)					
<i>Project No.</i>	<i>Project Title</i>	<i>Role</i>	<i>Year</i>	<i>Source of fund</i>	<i>Status</i>
9323667 (RM10,000)	Development of An Electronic Tool for Problem-Based Learning (PBL) as An Innovative Learning Strategy for Veterinary Education in UPM	Member	1 June 2015 – 31 May 2017	GIPP, UPM	Completed
9522600 (RM 49200.00)	Early Detection of Dengue Fever using Hybrid Model	Member	1 April 2017- 31 march 2019	Geran Putra	Completed
6234014-13301 (RM20000)	Projek Pemasaran Inovatif Melalui ICT Dalam Kalangan Usahawan Perusahaan Kecil dan Sederhana (PKS) Untuk Penjanaan Ekonomi	Project Leader	1 November- 2017 - 31- October-2019	KTP-UCTC	Completed
9569200 (RM 50000)	Towards Scalable Instance-Based Ontology Matching Heterogeneous Semantic Web Data	Project Leader	15-11-2017 - 15-03-2022	Geran Putra	Completed
9557000 RM 25000	Knowledge Transfer in Software Development Process Through Knowledge Utilization Characterizing Model to Enhance Quality Project Deliverables	Member	2017	Geran Putra	Completed
5524958 RM63200.00	A Model of Reusability Optimization using Intelligent Agent to Increase Performance in Requirement Engineering	Member	2016	FRGS	On going
9621800 RM49,000.00	A Novel Intelligent Hybrid Quick Response (QR) Code Recognition Algorithm to Improve Recognition Rate for Large Data Size on Mobile Phones	Member	15-02-2018 - 31-05-2021	Geran Putra	On going
9693600 (RM 50000)	An improved Multi-Segmentation and Classification Algorithm using Deep Learning for Iris Recognition in Unconstrained Environments	Member	01-12-2020 - 31-05-2023	Geran Putra	On going
5540532 (RM 95000)	Effective Federated Learning for In-hospital Mortality Prediction in Multi-center ICU under Non-IID and Unbalanced EHRs Datasets	Project Leader	07-09-2021 - 06-09-2024	FRGS	On going

I. ID PUBLISHING (Publishing ID)		
	Author ID	Name
<i>Scopus</i>	36632085100	Hamdan, Hazlina
<i>ORC ID</i>	http://orcid.org/0000-0003-1271-4257	
<i>Web of Science ID</i>		
<i>Researcher ID</i>		
<i>Others</i>		

J. RANGKAIAN SOSIAL (Social Networking)	
<i>Facebook</i>	
<i>LinkedIn</i>	
<i>Researchgate</i>	
<i>Academia</i>	
<i>Google Scholar</i>	https://scholar.google.com/citations?user=HZPmmncAAAAJ&hl=en
<i>Blog</i>	
<i>Website url</i>	
<i>Others</i>	http://profile.upm.edu.my/hazlina/profail.html