

YUSLIZA BINTI YUSOFF

Senior Lecturer

Master of Computer Science (ODL) Coordinator

Applied Industrial Analytics Research Group

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5 H-index WOS, 8 H-index SCOPUS, 8 H-index G-Scholar



Personal Information

Yuzliza Yusoff received her B.Sc. in Computer Science and System Engineering from Muroran Institute of Technology, Japan, in 2007. She worked as an Engineer II in the Software Section of the Research and Development Department at Panasonic AVC Networks, Pasir Gudang, Malaysia, for over two years before joining Universiti Teknologi Malaysia (UTM) as a Tutor in 2010. She received her Master's degree and Ph.D. in Computer Science from UTM in 2013 and 2017, respectively, awarded the Best Student Award for her outstanding achievements. In 2014, she was awarded the prestigious Erasmus Mundus Scholarship for a 10-month attachment at Hochschule Darmstadt University of Applied Sciences, Germany. She has held significant academic roles, including Head of a Research Group, Coordinator for the Master of Computer Science program, and Associate Fellow of the UTM Big Data Centre. Currently, she serves as the Coordinator for the Master of Computer Science (Open and Distance Learning) program at UTM. Her research interests include artificial intelligence, data science, image steganography, and Malaysian Sign Language education, with a focus on developing innovative digital solutions. She has published numbers of peer-reviewed articles, book chapters, and books. Her contributions reflect a strong impact on advancing knowledge in her fields of expertise. With her industry experience and academic accomplishments, she continues to bridge practical and theoretical insights, mentor students, and contribute actively to the global academic community.

Educational Background

Doctor of Philosophy (Computer Science) (08/2013 - 06/2017)

Universiti Teknologi Malaysia, UTM Johor Bahru, Johor, Malaysia

Hochschule Darmstadt University of Applied Sciences, Darmstadt, German (Attachment - Sep 2014 to June 2015)

Master of Science (Computer Science) (09/2010 -09/ 2013)

Universiti Teknologi Malaysia, UTM Johor Bahru, Johor, Malaysia

Bachelor of Science in Computer Science and System Engineering (03/2003 - 03/2007)

Muroran Institute of Technology, Muroran, Hokkaido, Japan

Certificate in Japanese Preparatory Course (02/2001 - 02/2003)

University of Malaya, Kuala Lumpur, Malaysia

Secondary School

Sekolah Menengah Kebangsaan Ibrahim, Sungai Petani, Kedah (1999 - 2000)

Sekolah Menengah Kebangsaan Taman Sri Muda, Shah Alam, Selangor (1996 - 1998)

Primary School

Sekolah Rendah Kebangsaan Taman Sri Muda, Shah Alam, Selangor (1990 - 1995)

Work Experiences

Department of Computer Science, Faculty of Computing, Universiti Teknologi Malaysia, Johor Bahru

Senior Lecturer (8 May 2017 - current)

Tutor (7 Jan 2010 - 7 May 2017)

Asia Pacific Development Center (APDC), Panasonic AVC Networks Johor Malaysia

Engineer II (23 April 2007 - 5 Jan 2010)

Publication

- Haris, M., Yusoff, Y., Zain, A. M., Khattak, A. S., & Hussain, S. F. (2024). Breaking down multi-view clustering: a comprehensive review of multi-view approaches for complex data structures. *Engineering Applications of Artificial Intelligence*, 132, 107857.
- Surati, N., Yusoff, Y., & Ramali, N. A. (2024). UTMSPACE Research Grant Management System. *International Journal of Innovative Computing*, 14(2), 73-79.
- Kabilashwaran, A., Selvarajan, L., & Yusoff, Y. (2024). Steganography Algorithms in Computed Tomography (CT) Scan Images. *International Journal of Innovative Computing*, 14(2), 65-71.
- Sivakumar, P., & Yusoff, Y. (2024). Comparative Study on Encryption Algorithms for Autism MRI Scan Images. *International Journal of Innovative Computing*, 14(2), 55-63.
- Chua, Y. C., Nies, H. W., Kamsani, I. I., Hashim, H., Yusoff, Y., Chan, W. H., ... & Mohamad, M. S. (2024). AI-driven Q-learning for personalized acne genetics: Innovative approaches and potential genetic markers. *Egyptian Informatics Journal*, 26, 100484.
- Selvamani, R., & Yusoff, Y. (2024). Effectiveness of the Spatial Domain Techniques in Digital Image Steganography. *Qubahan Academic Journal*, 4(1), 341-350.
- Kasim, N. A. S., Yusoff, Y., Ahmad, S. Z. R. S., Zainuddin, N. F., Samah, A. A., Zain, A. M., & Sallehuddin, R. (2024, March). Cyclist performance monitoring application (CPMA). In *AIP Conference Proceedings* (Vol. 2750, No. 1). AIP Publishing.
- Shugentran, A., Varathan, L., & Yusoff, Y. (2024). Part-Time Employment System for UTM Student. *International Journal of Innovative Computing*, 14(2), 49-54.
- Zebari, D. A., Yusoff, Y., Al-Zebari, A., Haron, H., & Zebari, N. A. (2024, June). Thresholding-based approach for segmentation of melanocytic skin lesion in dermoscopic images. In *AIP Conference Proceedings* (Vol. 2991, No. 1). AIP Publishing.
- Li, Z. Z., Wang, F. L., Qin, F., Yusoff, Y., & Zain, A. M. (2024). Feature selection of gene expression data using a modified artificial fish swarm algorithm with population variation. *IEEE Access*.
- Alzawali, M. I. H., Yusoff, Y., Alwee, R., Yunos, Z. M., Talib, M. S., Hassan, H., ... & Ahmad, S. Z. R. S. (2024). Facial Emotion Images Recognition Based on Binarized Genetic Algorithm-Random Forest. *Baghdad Science Journal*, 21(2 (SI)), 0780-0780.
- Alshammari, S., Aljabarti, E., & Yusoff, Y. (2023). Protection of Users Kids on Twitter Platform Using Naïve Bayes. In *Kids Cybersecurity Using Computational Intelligence Techniques* (pp. 109-120). Cham: Springer International Publishing.
- Majid, H. A., Samah, A. A., Azman, N. S., Hashim, H., Shah, Z. A., Misan, M. F., ... & Yusoff, Y. (2023). Classifying ovarian cancer using deep learning method based on multi-omics data.
- Selvamani, R., Yusoff, Y., Alwee, R., Yusuf, S. M., Yunos, Z. M., Talib, M. S., & Hasan, H. (2023).

Comparative analysis of the spatial domain in digital image steganography.

- Barakat, S. M. M. A., Sallehuddin, R., Yuhaniz, S. S., Khairuddin, R. F. R., & Yusoff, Y. (2023). PTHP: Index for Optimizing Genome Assembly Overlapping and Read Alignment. *International Journal*, 10(1), 958-972.
- Mohammed, L., & Yusoff, Y. (2023). Detection and classification of plant leaf diseases using digital image processing methods: a review. *ASEAN Engineering Journal*, 13(1), 1-9.
- Selvamani, R., Yusoff, Y. B., Rosely, N. F. L. B. M., & Siraj, M. B. (2022, October). Comparative Analysis on the Image Steganographic Algorithms. In *2022 2nd International Conference on Emerging Smart Technologies and Applications (eSmarTA)* (pp. 1-7). IEEE.
- Philibus, E., Sallehuddin, R., Yusof, Y., & Yusuf, L. M. (2021, December). Global Solar Radiation Forecasting using Artificial Neural Network and Support Vector Machine. In *Journal of Physics: Conference Series* (Vol. 2129, No. 1, p. 012079). IOP Publishing.
- Yusoff, Y., Nazmi, A., Izzat, M., Irwan, M. S., Zulfahmi, M., & Sallehuddin, R. (2021). Hangman-Hangaroo Game Design Using Automata Theory. *International Journal of Innovative Computing*, 11(1), 7-11.
- Dzulkalnine, M. F., Sallehuddin, R., Yusoff, Y., Radzi, N. H. M., Mustafa, N. H. B., & Yusuf, L. M. (2021, December). Determination of Vital Cancer Sites in Malaysian Colorectal Cancer Dataset by Using A Fuzzy Feature Selection Method. In *Journal of Physics: Conference Series* (Vol. 2129, No. 1, p. 012022). IOP Publishing.
- Masry, W. N. K., Yusoff, Y., Yusak, R., Alwee, R., Ismail, R., & Idris, M. I. T. (2021, May). UTM junior netball coaching program perception and performance analysis. In *AIP Conference Proceedings* (Vol. 2339, No. 1). AIP Publishing.
- Yusoff, Y. (2020). Comparative Study on Image Steganography: Knight Tour and Rivest Cipher Four Algorithms. *International Journal of Innovative Computing*, 10(2).
- Shabri, A., Samsudin, R., & Yusoff, Y. (2020, May). Combining deep neural network and fourier series for tourist arrivals forecasting. In *IOP Conference Series: Materials Science and Engineering* (Vol. 864, No. 1, p. 012094). IOP Publishing.
- Idzham, K. K., Khalishah, M. W. N., Steven, Y. W., Aminuddin, M. S. M. F., Syawani, H. N., Zain, A. M., & Yusoff, Y. (2020, May). Study of Artificial Intelligence into Checkers Game using HTML and JavaScript. In *IOP Conference Series: Materials Science and Engineering* (Vol. 864, No. 1, p. 012091). IOP Publishing.
- Samah, A. A., Nasien, D., Hashim, H., Sahar, J., Majid, H. A., Yusoff, Y., & Shah, Z. A. (2020, May). Application of deep learning method in facilitating the detection of breast cancer. In *IOP Conference Series: Materials Science and Engineering* (Vol. 864, No. 1, p. 012079). IOP Publishing.
- Rosely, N. F. L. M., Zain, A. M., & Yusoff, Y. (2020, May). Feature Selection of High Dimensional Data Using Hybrid FSA-IG. In *IOP Conference Series: Materials Science and Engineering* (Vol. 864, No. 1, p. 012066). IOP Publishing.
- Ahmad, S. Z. R. S., Zain, A. M., Yusoff, Y., Ghazali, N. E., & Zhou, K. Q. (2020, May). Wire Electrical Discharge Machining (WEDM) optimization process: A conceptual view. In *IOP Conference Series: Materials Science and Engineering* (Vol. 864, No. 1, p. 012089). IOP Publishing.
- Rosely, N. F. L. M., Zain, A. M., Yusoff, Y., & Yusup, N. (2019, August). A Brief Conceptual View on Classification Using Support Vector Machine. In *IOP Conference Series: Materials Science and Engineering* (Vol. 551, No. 1, p. 012035). IOP Publishing.
- Yusoff, Y., Zain, A. M. (2019). Indoor cycling trainer for measuring and improving cyclist sports performance. *Journal of Tomography System and Sensor Application*, 2(2).
- Yusoff, Y., Zain, A. M., Amrin, A., Sharif, S., Haron, H., & Sallehuddin, R. (2019). Orthogonal

based ANN and multiGA for optimization on WEDM of Ti-48Al intermetallic alloys. *Artificial Intelligence Review*, 52, 671-706.

- Othman, M. N. M., Yusoff, Y., Haron, H., & You, L. (2019, August). An overview of surface reconstruction using partial differential equation (PDE). In *IOP Conference Series: Materials Science and Engineering* (Vol. 551, No. 1, p. 012054). IOP Publishing.
- Ahmad, S. Z. R. S., Yusoff, Y., Zain, A. M., Samsudin, R., & Ghazali, N. E. (2019, August). Ai for heart rate measurements for sport performance: A review. In *IOP Conference Series: Materials Science and Engineering* (Vol. 551, No. 1, p. 012041). IOP Publishing.
- Yusoff, Y., Mohd Zain, A., Sharif, S., Sallehuddin, R., & Ngadiman, M. S. (2018). Potential ANN prediction model for multiperformances WEDM on Inconel 718. *Neural Computing and Applications*, 30, 2113-2127.
- Harun, M. F., Samah, A. A., Majid, H. A., Yusoff, Y., & Lim, Y. W. (2017, May). Optimization of green building design to achieve green building index (GBI) using genetic algorithm (GA). In *2017 6th ICT international student project conference (ICT-ISPC)* (pp. 1-4). IEEE.
- Yusoff, Y., Zain, A. M., Sharif, S., & Sallehuddin, R. (2016). Multi Objective Machining Estimation Model Using Orthogonal and Neural Network. *Jurnal Teknologi*, 78(12-2).
- Yusoff, Y., Mohd Zain, A., Haron, H., & Sallehuddin, R. (2016). Regression Models with Multiobjective GA for EDM Parameters Optimization. *International Journal of Innovative Computing*, 6(2).
- Yusoff, Y., Zain, A. M., & Haron, H. (2016). Experimental study of genetic algorithm optimization on WC/Co material machining. *Journal of Advanced Research in Materials Science*, 21, 14-26.
- Yusoff, Y., Zain, A. M., & Ngadiman, M. S. (2016). Computational approach for multi performances optimization of EDM. In *MATEC Web of Conferences* (Vol. 78, p. 01014). EDP Sciences.
- Yusoff, Y., Ngadiman, M. S., & Zain, A. M. (2011). Overview of NSGA-II for optimizing machining process parameters. *Procedia Engineering*, 15, 3978-3983.

Book/ Journal Editor

- Big Data and Machine Learning with Applications, 2022, ISBN 978-983-52-
- The 4th International Conference on Applied Computing 2023, ICAC 2023, 2023, E-ISSN 2959-2968
- Applied Computing 2023, 2023, E-ISSN 2411-7986

Editorial Board

- International Journal of Innovative Computing, Section Editor (29 June 2021 - 30 Jun 2023)
- Asean Engineering Journal, Section Editor, (1 Mar 2023 - 28 Feb 2025), Scopus Indexed
- Baghdad Science Journal, Editor (23 Jun 2024), WoS Indexed Q3
- Computing Proceeding 2021 (8 Sep 2021 - 7 Sep 2023)

Research Projects

Principal Investigator

- Hybrid Neural Depthwise Separable Convolution and LSTM for Spatial-Temporal Analysis

- in Malaysian Sign Language Recognition. Ministry of Higher Education Fundamental Research Grant Scheme (FRGS). (1 Aug 2024 - 31 Jul 2027). RM116,400
- UTM-National Institute of Technology Kagoshima College on IOT and AI (Machine Learning) Training. The Telecommunications Advancement Foundation Grant. (1 Apr 2022 - 31 Mar 2025). RM35,700
 - An Improved Knight's Tour - Jaya Algorithm for Robust Image Steganography. Ministry of Higher Education Fundamental Research Grant Scheme (FRGS). (7 Sep 2021 - 6 Mar 2024). RM54,360.
 - Enhanced Double Layer Data Hiding Scheme Based on Swarm Intelligence Methods. UTM Fundamental Research Grant (UTM FR). (1 Jan 2020 - 30 Jun 2024). RM90,943.
 - Jom Netball. Centre for Community and Industry Network (CCIN). (1 Apr 2021 - 31 Jul 2021). RM986.
 - A New Enhanced Multi-Objective PSO for Prediction of Young Developing Cyclist Sports Performance, UTM Gup Tier 2. (1 Sep 2019 - 31 Oct 2022). RM20,000.
 - Model-Driven Genetic Algorithm for Cycling Performance Prediction. Potential Academic Staff Grant. (1 Oct 2018 - 30 Sep 2019). RM20,000

Member

- Framework for Engineering Educators' Professional Development in Artificial Intelligence Education Using Diffusion of Innovations Theory UTM Fundamental Research (1 Oct 2023 - 30 Mar 2027) RM128,793
- MG2 - 34.1: Holistic and Smart Society Transformation: Enhancing Decision-Making Culture with Data-Driven Predictive Models in Smart Village Planning Matching Grant (1 Aug 2023 - 31 Jul 2025) RM43,000
- Cost-Optimisation Based Real Time Analyser (COBRA) for Cogeneration System DIGITAL-INFUSED GRANT (1 May 2024 - 30 Apr 2025), RM44,720
- Grey Wolf Optimizer for Optimization of Injection Moulding Process, Tier 1 (1 Jul 2017 - 30 Jun 2018), RM40,000
- A New Hybrid Algorithm for Feature Selection of Cancer Microarray Data Based on Fish Swarm Algorithm, Fundamental Research Grant Scheme (1 Sep 2022 - 31 Aug 2024), RM73,000
- Development of Intelligent Software for the Design of Injection Moulds, Prototype Development Fund (1 Dec 2020 - 30 Nov 2021), RM20,000
- Utilization of Filter Feature Selection with Harmonization of PSO and SVM for Optimization UTM Encouragement Research (1 Nov 2019 - 30 Apr 2022), RM30,000
- A Novel Filter and Wrapper Approaches for Gene Ranking and Gene Selection Using High-Dimensional Cancer Genomic Microarray Data, Fundamental Research Grant Scheme (1 Sep 2019 - 31 May 2022) RM69,000.
- Nature Inspired Metaheuristic Optimization in Gradient Tree Boosting, UTM Encouragement Research. (1 Nov 2019 - 30 Apr 2022). RM30,000
- UTM-TDR 12.4 (T2): An Intelligent System for Optimization of High-Speed Machining of Metal Epoxy Composite (MEC) Materials, UTM Transdisciplinary Research Grant. (1 Dec 2018 - 30 May 2021). RM40,000
- UTM-TDR 10.4 (T2) Optimization of Cold-Drawn Steel Wire Rope, UTM Transdisciplinary Research Grant. (1 Dec 2018 - 31 May 2022). RM40,000
- Study of Aqua Automation & Smart Net for ROBOXA TECHNOLOGIES SDN. BHD, Contract. (1 Oct 2018 - 30 Sep 2019). RM400,000
- HIR 5.4: Intelligent Selection of Process Parameters for Optimization of High-Speed

- Machining Industry, High Impact Research Grant. (1 Apr 2018 – 30 Sep 2021). RM30000
- Partial Differential Equation (PDE)-Based Geometric Modelling, Image Processing and Shape Reconstruction, International Grant. (1 Jan 2018 – 31 Oct 2023). RM537,435
- Whale Algorithm for Optimization of Injection Moulding Process, Tier 1. (1 Feb 2018 – 3 Jan 2019). RM50,000.
- A Hybrid GMDH - Artificial Bee Colony Method for High Accuracy Software Effort Estimation, Fundamental Research Grant Scheme. (7 Sep 2021 – 6 Sep 2021). RM63,000

Intellectual Property

Main Inventor

- Analysis Comparison In Image Encryption Algorithm Between Chaos-Based, DNA Based And Scan Language, Copyright 2023
- Methodology In Data Science, Copyright 2022
- Comparison Of PVD DCT And OPAP In Image Steganography for Capacity and Security
- Performance Metrics, Copyright 2021
- Framework Of Knight Tour Algorithm in Steganography Image, Copyright 2020
- Sekolah Sukan Tunku Mahkota Ismail (SSTMI) Cyclists Performance Mobile Application (Cpma), Copyright 2020
- MOOC Slide For Operating System Chapter 1 – 5, Copyright 2019
- E-NSGA-II For Machining Parameters Optimization, Copyright 2018
- Orthoann, Copyright 2016

Co-inventor

- A New Hybrid Algorithm for Feature Selection of Cancer Microarray Data Based on Fish Swarm Algorithm, Copyright 2024
- Group Work Management Application, Copyright 2023
- Implementation Design of UTM SC Smart Pigeonhole Mailbox System Based on Internet of Things (IOT), Copyright 2022
- Ensemble Filters with Harmonize PSO-SVM Model for Optimum Performance in Health- Care Prediction, Copyright 2021
- A Hybrid Fish Swarm Algorithm for Feature Selection and Classification Microarray Data, Copyright 2020
- Prediction of Hemoglobin Structure Using Feed Forward Neural Network, Copyright 2020
- IVBB - Intelligence Virtual Beauty Bot, Copyright 2020
- Sistem Pengendalian Aduan Selera Pindang, KOMTAR JBCC, Copyright 2020
- FPCA=SVM=FCM: An Improved Hybrid Imputation Model with Fuzzy Feature Selection, Copyright 2020
- Product Brand Prediction in Retail Industry, Copyright 2019
- Classification of Autism Spectrum Disorder Using Grey Relational Analysis and Supervised Learning, Copyright 2019
- Hybrid Feature Selection Using Fuzzy PCA Based on Outlier Detection, Copyright 2019
- Raudatul Iman Tahfeez School Student Management System, Copyright 2018
- MOMMY Notebook: Kids Health Mobile Application, Copyright 2018
- Mobile Mosque Companion Application Kakimasjid, Copyright 2018
- Ouhfab Website - One Stop Portal For Disabled People, Copyright 2018
- E-PRACTICAL APP: Mobile Based Industrial Training, Copyright 2018
- Sistem Pengendalian Projek Sarjana Muda 1, Copyright 2018
- Hybrid CFS-PSOBP Forecasting Model for Multivariate Time Series, Copyright 2017

Awards

Best Innovation Award

- Cyclist Performance Mobile Application. Virtual Sport Innovation Carnival UTM (2 - 31 Dec 2020)

Best Video Presentation Award

- Cyclist Performance Monitoring Application. 3rd International Conference on Applied Computing 2021 (4 - 5 Feb 2021)

Platinum Award

- Development of Intelligent Software for the Design of Injection Moulds, INODEX 2021 (9 Nov 2021)

Gold Medal

- Cyclist Performance Mobile Application. Virtual Sport Innovation Carnival UTM (2 - 31 Dec 2020)
- Kemahiran Asas Bola Jaring Secara Atas Talian, Virtual Sport Innovation Carnival UTM (2 - 31 Dec 2020)

Silver medal

- CuckoPEA. International EUREKA Innovation Exhibition (25 - 27 July 2017)
- Harmony-Artificial Bee Colony Machining Performance System (29 - 31 October 2018)
- Improved Grey Wolf Optimiser - Minimisation of Injection Moulding Optimiser System, International EUREKA Innovation Exhibition (7 - 9 Oct 2019)
- WOLF-COMS, ICON2020 (15 Nov 2020)
- Scratch Junior Unlocking Creativity and Learning with Scratch Programming. NALI2023.

Bronze medal

- "Teknik Pemanasan Badan dan Penyejukan Badan", Virtual Sport Innovation Carnival UTM (2 - 31 Dec 2020)
- CPMA. NALI2021 (8 Dec 2021)
- Malaysia Sign Language Real Time Tutorial. NALI2024.

Award of Excellence

- Faculty of Engineering Outstanding Service Award (2018)
- Outstanding Service Award, UTM (24 Aug 2019)
- Active Blended Learning Course, SCSJ3203-02 & 04 Theory of Computer Science (Semester 1- 2018/2019)
- Active Blended Learning Course, SCSJ2143-01 & 03 Probability & Statistical Data Analysis (Semester 2- 2018/2019)

- Active Blended Learning Course, SCSJ3203-05 Theory of Computer Science (Semester 2- 2020/2021)
- Active Blended Learning Course, MCSS2093-01 Advanced Theory of Computer Science (Semester 2- 2020/2021)
- Active Blended Learning Course, UKQF2632/UKQS2142-01 Netball (Semester 2- 2020/2021)
- Active Open Distance Learning Course, MECS1043-52 Research Methodology (Semester 2- 2023/2024)
- Outstanding Service Award, Faculty of Computing (28 Dec 2021)
- Outstanding Service Award, Faculty of Computing (22 Oct 2022)
- Teaching Award, Faculty of Computing (2 Oct 2022)
- Outstanding Service Award, Faculty of Computing (15 Nov 2023)
- Teaching Award, Faculty of Computing (15 Nov 2023)

Sports

- Chess, Gold, University Staff Games (14 Apr 2017)
- Futsal, Gold, University Staff Games (8 Nov 2019)
- Netball, Gold, University Staff Games (27 Dec 2019)
- Relay 4x100, Bronze, University Staff Games (16 Nov 2019)
- Relay 4x100, Bronze, University Staff Games (23 Jul 2022)
- Relay 4x400, Bronze, University Staff Games (23 Jul 2022)

Teaching Experiences

| Summary | |
|-----------------------|-----|
| Undergraduate Courses | 71 |
| Postgraduate Courses | 41 |
| Total Credit Hours | 113 |

Undergraduate Courses

- Theory of Computer Science (3 credits)
- Operating System (3 credits)
- Probability and Statistical Data Analysis (3 credits)
- Artificial Intelligence (3 credits)
- Netball (2 credits)
- Extra-Curricular Experiential Learning (1 credit)
- Value and Identity (2 credits)

Postgraduate Courses

- Advanced Theory of Computer Science (3 credits)
- Research Methodology in Computer Science (3 credits)

Supervision

| Summary | |
|--|----|
| Main Supervisor - PhD (Graduated) | 2 |
| Co-Supervisor - PhD (Graduated) | 1 |
| Main Supervisor - PhD (Ongoing) | 6 |
| Co-Supervisor - PhD (Ongoing) | 2 |
| Main Supervisor- Master by Research (Graduated) | 0 |
| Main Supervisor- Master by Research (On-Going) | 2 |
| Main Supervisor- Master by Taught Course (Graduated) | 1 |
| Main Supervisor- Master by Taught Course (On-Going) | 0 |
| Main Supervisor- Master by Mixed-Mode (Graduated) | 7 |
| Main Supervisor- Master by Mixed-Mode (On-Going) | 4 |
| Undergraduate final year project (Graduated) | 24 |
| Undergraduate final year project (On-Going) | 1 |

PhD. Supervision

Graduated

1. Nur Fatin Liyana Binti Mohd Rosely, 25 Aug 2021 (Co SV)
2. Sherif Magdy Mohamed Abdelaziz Barakat, 30 Apr 2024 (Main SV)
3. Anis Farhan Binti Kamaruzaman, 27 Nov 2024 (Main SV)

On-going

1. Sharifah Zarith Rahmah Binti Syed Ahmad (Main SV)
2. Mohamad Nurfalihin Bin Mohd Othman (Main SV)
3. Muhammad Haris (Co SV)
4. Rosshini A/P Selvamani (Main SV)
5. Zhu Chonglong (Main SV)
6. Zongzheng Li (Main SV)
7. Sarah Iqbal (Main SV)
8. Ye Shaoqiang (Co SV)

Master of Philosophy Supervision

On-going

1. Dzikra Rafik Putra (Main SV)
2. Nicholas Pang Jia Chern (Main SV)

Master Mixed Mode Supervision

Graduated

1. Lele Mohammed, 30 Mar 2022 (Main SV)
2. Saud Sahab Alaswad Alshammari, 30 Aug 2022 (Main SV)
3. Mohanad Husam Younus Al-Hilali, 28 Sep 2022 (Main SV)
4. Wasaim M Abdalkarim Ali, 30 Aug 2022 (Main SV)
5. Ahmed Mohamed Hamad Magig, 28 Sep 2022 (Main SV)
6. Murad Ibrahim Husin Althabet, 30 Aug 2022 (Main SV)
7. Jiayon Song, 30 Apr 2024 (Main SV)

On-going

1. Ng Pei Wen (Main SV)
2. Zhao Huan (Main SV)
3. Hisyam Imran Bin Hashim (Main SV)
4. Heng Poh Yee (Main SV)

Master Taught Course Supervision

Graduated

1. Rosshini A/P Selvamani, 30 Aug 2022 (Main SV)

Committee & Task Force

- COPPA Master of Data Science Task Force (16 Aug 2017 - 17 Aug 2017)
- Applied Industrial Analytics Research Group Secretary (1 Apr 2018 - 31 Mar 2020)
- Faculty of Computing Annual Report Task Force (1 Jan 2018 - 31 Dec 2018)
- Faculty of Computing Proceeding Task Force (1 Jan 2018 - 31 Dec 2018)
- International Conference on Applied Computing 2019 Committee (1 Jul 2018 - 28 Feb 2019)
- Faculty of Engineering Corporate, Branding & social media Committee (1 Jul 2018 - 30 Jun 2020)
- International Conference on Applied Computing 2020 Committee (6 Feb 2019 - 31 Dec 2019)
- JAPNI Committee (3 Sep 2019 - 31 Dec 2019)
- Bachelor of Software Engineering Course Content Development Task Force, Faculty of Engineering (1 Jul 2019 - 31 Dec 2019)
- Future Ready Educators (FREE) Committee Faculty of Engineering (1 May 2019 - 30 Apr 2021)
- Quality Management Committee, Faculty of Engineering (1 Feb 2020 - 31 Jan 2022)
- Master of Computer Science Coordinator (1 Dec 2020 - 30 Nov 2023)
- Provisional Accreditation Master of Innovative Computing Task Force (1 Jan 2021 - 30 Jun 2021)
- Task Force MQA04 Full Accreditation Compliance Assessment (1 Feb 2021 - 31 Dec 2021)
- UTM Big Data Centre Associate Fellow, BDC (15 Mar 2021 - 14 Mar 2024)
- International Conference on Applied Computing 2021 Committee (4 Feb 2021 - 5 Feb 2021)
- Head of Applied Industrial Analytics Research Group (1 Mar 2022 - 11 Jun 2023)
- Microsoft Azure Certification Proctor (17 Aug 2022 - 16 Aug 2023)
- Shoot More, Defend Better Organizer (27 May & 31 May 2022)
- International Conference on Applied Computing 2023 Chair (1 Feb 2022 - 31 Aug 2024)
- UTM Press Teaching Module Panel (12 Jun 2023 - 30 Jun 2025)
- UTM Open and Distance Learning Committee (11 Sep 2023 - 11 Sep 2025)
- Treatment of Fungal Contamination Project Member (29 Nov 2023 - 28 Nov 2024)
- "Are you OK" Committee (9 Dec 2023)
- Research and Innovation Day 2023 Committee Faculty of Computing (1 Aug 2023 - 22 Aug 2023)
- Research Coordination Committee, Faculty of Computing (1 Jun 2023 - 31 Dec 2023)
- Curriculum Review for Master of Computer Science Head Task Force (1 Jun 2023 - 31 Dec 2023)

2024)

- Master of Computer Science, Open and Distance Learning (ODL) Coordinator, (1 Aug 2023 - 31 Dec 2025)
- Marketing & Branding Committee, Faculty of Computing (1 Apr 2024 - 31 Mar 2026)
- Web Page Task Force, Faculty of Computing (1 Jun 2024 - 31 May 2025)
- Functional QA Task Force, Faculty of Computing (1 Mar 2024 - 14 Aug 2024)
- Research and Innovation Day 2024 Committee, Faculty of Computing (1 Apr 2024 - 27 Jun 2024)
- Apel C Management Committee, Faculty of Computing (1 Jan 2024 - 31 Dec 2024)

Courses & Seminars

- General Translation Course (9 - 13 Jun 2024 & 30 Jun - 4 Jul 2024)
- E-Proctoring ODL Lecturer Briefing (11 Jan 2024)
- E-Proctoring ODL Coordinator Briefing (4 Jan 2024)
- Intellectual Property (IP) Protection and Management (3 Jan 2024)
- Internal Database-Academic (IDA) System (3 Dec 2023)
- Accreditation Audit Report Feedback Writing Course (29 Nov 2023)
- New Academia Learning Innovation (NALI 2023) (7 - 8 Nov 2023)
- Training of Trainers" Tot Web Design (Wordpress & Elementor) (19 Aug 2023)
- Canva Basic Course and Auto E-Cert via Google Drive (15 Aug 2023)
- Preparation of Invention Disclosure for Patenting SS & ST (31 Jul 2023)
- Communication Skills for Effective Leadership (6 Jul 2023)
- Faculty of Computing Undergraduate Program Curriculum Review Workshop (12 - 13 Oct 2022)
- UTM Research Ethics Committee Roadshow (10 Oct 2022)
- Prior Experience-Based Learning Credit Course (Apel C) (22 Sep 2022)
- Workshop Module for Copyright-Module Progress (21 Aug 2022)
- Assessment for ODL Programs (13 Jun 2022)
- Sharing Session on ODL Best Practices (5 Apr 2022)
- Creating Inclusive Digital Content: Inclusive E-Content Based on UDL Principles - Workshop 3 (7 Dec 2021)
- UTM ODL Program Course Information Refinement Workshop (Online) (12 Nov 2021)
- School of Computing Industrial Advisory Panel (IAP) Workshop (28 Oct 2021)
- Teaching & Learning Course (Online): Teaching Portfolio (19 Jul 2021)
- Teaching & Learning Course (Online): Designing Open Distance Learning (ODL) Programs (5 Apr 2021)
- Technology-Based Teaching Course (Online) : Introduction To E-Proctoring (10 Mar 2021)
- Preparing Supplementary Course Information for Online Learning (14 Oct 2020)
- Test Drive on Data Analytics Software (Alteryx & Phyton) (5 Oct 2020)
- Tableau Desktop: Hands -On Fundamental Training (21 Sep 2020)
- Course: Constructive Alignment (25 Aug 2020)
- 21st Century Learning for Engaging Millennials, Part 1: Effective Implementation of Active Learning (29 - 30 Apr 2019)
- Faculty of Computing E-Portfolio Briefing Faculty (2 Apr 2019)
- Open Course Ware (OCW) Workshop (6 Mar 2019)
- MOOC Development Workshop 1/2019 (16 - 17 Jan 2019)

- 'Remote Supervision' (31 Oct 2018)
- Kursus Practical Learning Analytics for Educator 4.0 (25 Oct 2018)
- Code of Ethics (29 Aug 2018)
- 'Writing a Proposal - Developing A Winning Solution' (15 - 16 Aug 2018)
- Academic Advising Workshop for Academic Advisors (14 Aug 2018)
- Community Engagement Proposal Writing Course with Impact (2 Aug 2018)
- Workshop on Developing MOOCs on Open Learning Platforms (14 May 2018)
- MOOC Development Workshop II (28 Feb 2018)
- Advanced E-Learning@UTM (6 Feb 2018)
- E-Learning UTM (1,7,3,2) (5 Feb 2018)
- Mobile Application 2018 (5 Feb 2018)
- Assembly Programming Language (28 Jan 2018)
- FC Proceedings Publication Update Workshop (Retreat) (25 Jan 2018)
- MOOC Development Workshop (24 Jan 2018 - 25 Jan 2016)
- Effective Multimedia Creative Presentation (23 Nov 2016)

Training & Consultation

- Keynote speaker IConGETech 2021 (2 - 6 Feb 2021)
- Speaker at the Open and Distance Learning (ODL) Training Workshop, Faculty of Computer Science and Mathematics, Universiti Malaysia Terengganu (20 - 21 Mar 2024)
- [Pro Cert Data Science] Module: Methodology and Tools for Data Science (2 Aug 2023)
- Consultation: Modern Data Analysis Series Course (10 Sep 2020)