

CURRICULUM VITAE



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Working Experience

Aug 2012 – Present : **Lecturer**, Mechatronic Engineering Programme, School of Mechatronic Engineering, UniMAP, Perlis.
 Sept 2008 – Aug 2009 : **Tutor**, Faculty of Electrical and Electronic Engineering, UMP, Pahang.
 April 2008 – Sept 2008 : **Junior Engineer**, Continental Automotive Component, Prai, Penang.
 April 2005 – Aug 2005 : **Lecturer**, Politeknik Kota Bharu, Kelantan.
 April 2004 – Aug 2004 : **Teacher**, Sekolah Menengah Teknik Wakaf Tembusu, Terengganu.

Academic Qualifications

2017 – 2021 : PhD in Mechatronic Engineering, Universiti Malaysia Perlis (**UniMAP**).
 2009 – 2011 : MSc. in Electrical & Electronic Engineering, Universiti Sains Malaysia (**USM**).
 2005 – 2008 : BEng. (Hons) in Electrical Engineering (Robotic & Automation), Universiti Tun Hussein Onn Malaysia (**UTHM**).
 2002 – 2005 : Diploma of Electrical Engineering & Education, Universiti Tun Hussein Onn Malaysia (**UTHM**).

Professional Qualification / Membership / Affiliation / Experience

IEEE Senior Membership, Professional Association: Institute of Electrical and Electronics Engineers Society (**IEEE**)(98020946)
MySET Membership, Malaysian Society for Engineering & Technology (**MySET**)(01903)
Professional Technologist, Malaysia Board of Technologists (**MBOT**)(PT18050144)
Graduate Engineer, Board of Engineers Malaysia (**BEM**) (81158A)
Graduate Engineer, The Institution of Engineers, Malaysia (**IEM**) (59104)
Graduate Technologist, Malaysia Board of Technologists (**MBOT**)(GT18051931)

Publication

ISI Journal Papers and Cumulative Impact Factor (CIF)

No. of papers					Cumulative Impact Factor
Q1	Q2	Q3	Q4	Total	(CIF)
1	2	1			9.707

No. of Papers, H-Index, and Citations

	No. of papers	H-index	No. of citations
Scopus indexed	23	5	137
Google Scholar	33	6	176
Researchgate (RG Score: 9.21)	24	6	151

ISI Ranked Journal publications (CIF: 9.707)

2022
S.N.A.M. Kanafiah, M.Y. Mashor, Z. Mohamed, Y.C. Way, S.A.A. Shukor, Y. Jusman, An Intelligent Classification System for Trophozoite Stages in Malaria Species, Intelligent Automation and Soft Computing (IASC), Tech Science Press, 34(1), 687-697 (**ISI, Q3, IF: 1.647**)

2021

N Nahrawi, W.A. Mustafa, **S.N.A.M. Kanafiah** and M.Y. Mashor, Color Contrast Enhancement on Pap Smear Images Using Statistical Analysis, Intelligent Automation and Soft Computing (IASC), Tech Science Press, 29(3), pp. 431-438 (**ISI, Q3, IF: 1.647**)

2020

1. N Nahrawi, W.A. Mustafa, **S.N.A.M. Kanafiah**, Knowledge of Human Papillomavirus (HPV) and Cervical Cancer among Malaysia Residents: A Review, Sains Malaysiana, 49(7), pp. 1687–1695 (**ISI, Q4, IF: 0.643**)

2016

1. M.J.M. Ridzuan, M.S. Abdul Majid, M. Afendi, **S.N. Aqmariah Kanafiah**, J.M. Zahri, A.G. Gibson, Characterisation of natural cellulosic fibre from Pennisetum purpureum stem as potential reinforcement of polymer composites, Materials and Design 89 (2016) pp. 839–847, (**ISI, Q1, IF: 5.770**)

SCOPUS Indexed publications

2022

1. A.H. Ismail, M.N. Ayob, H.B. Hassrizal, Muhamad Azmi, M.S.M. Hashim, S.M. Othman, **S.N.A.M. Kanafiah**, M.K. Ali Hassan, I.I. Ibrahim, Human Recognition using Omni-Directional Camera for Service Robot Application, 2022 International e-Conference on Intelligent Systems and Signal Processing, pp. 321-330.

2.

2021

1. Yessi Jusman, Indah Monisa Firdiantika, Slamet Riyadi, **Siti Nurul Aqmariah Mohd Kanafiah**, Rosline Hassan, Zeehaida Mohamed, Classification of Plasmodium Skizon and Gametocytes Malaria Images Using Deep Learning, 2021 1st International Conference on Electronic and Electrical Engineering and Intelligent System (ICE3IS), pp. 143-148.

2. Yessi Jusman, Ega Samudra, Slamet Riyadi, **Siti Nurul Aqmariah Mohd Kanafiah**, Amir Faisal, Rosline Hassan, Zeehaida Mohamed, Comparison of Texture and Shape Features Performance for Leukemia Cell Images using Support Vector Machine, 2021 1st International Conference on Electronic and Electrical Engineering and Intelligent System (ICE3IS), pp. 24-28.

3. Yessi Jusman, Muhammad Khoirul Anam, Sartika Puspita, Edwyn Saleh, **Siti Nurul Aqmariah Mohd Kanafiah**, Rhesezia Intan Tamarena, Comparison of Dental Caries Level Images Classification Performance using KNN and SVM Methods, 2021 IEEE International Conference on Signal and Image Processing Applications (ICSIPA), pp. 167-172.

4. Yessi Jusman, Anindita Pusparini, Anna Nur Nazilah Chamim, **Siti Nurul Aqmariah Mohd Kanafiah**, Comparison of Malaria Parasite Image Segmentation Algorithm Using Thresholding and Watershed Method, IOP Publishing, Journal of Physics: Conference Series, 1783(1), pp.12092.

5. Nadzirah Nahrawi, Wan Azani Mustafa, **Siti Nurul Aqmariah Mohd Kanafiah**, Wan Khairunizam Wan Ahmad, Mohamad Nur Khairul Hafizi Rohani, Hasliza A Rahim, A Novel Nucleus Detection on Pap Smear Image Using Mathematical Morphology Approach, Journal of Biomimetics, Biomaterials and Biomedical Engineering, 49, pp. 53-61.

6. Yessi Jusman, Aisyah Nur Hasanah, Kunnu Purwanto, **Siti Nurul Aqmariah Bt Mohd Kanafiah**, Slamet Riyadi, Rosline Hassan, Zeehaida Mohamed, Comparison between Support Vector Machine and K-Nearest Neighbor Algorithms for Leukemia Images Classification using Shape Features, IEEE 2021 25th International Computer Science and Engineering Conference (ICSEC), pp. 70-74.

7. Yessi Jusman, Slamet Riyadi, Amir Faisal, **Siti Nurul Aqmariah Bt Mohd Kanafiah**, Zeehaida Mohamed, Rosline Hassan, Classification System for Leukemia Cell Images based on Hu Moment Invariants and Support Vector Machines, IEEE 2021 11th IEEE International Conference on Control System, Computing and Engineering (ICCSCE), pp.137-141.

2020

1. M.A.M Salleh, **S.N.A.M. Kanafiah**, Y. Jusman, M.I. Yusof, Feature Extraction to Differentiate of Spinal Curvature Types using Hue Moment Algorithm, Journal of Physics: Conference Series, 1471 (1), pp. 012060

2. Y. Jusman, Z. Indra, R Salambue, **S.N.A.M Kanafiah**, M.A.F. Nurkholid, Comparison of Multilayer Perceptron and Radial Basis Function Classification Performance of Lung Cancer Data, Journal of Physics: Conference Series, 1471 (1), pp. 012043

3. Y. Jusman, RI Tamarena, S Puspita, E Salleh, **S.N.A.M Kanafiah**, Analysis of Features Extraction Performance to Differentiate of Dental Caries Types Using Gray Level Co-Occurrence Matrix Algorithm, 2020 10th IEEE International Conference on Control System, Computing and Engineering (ICCSCE), pp. 148-152.

4. Y. Jusman, LA Dewiprabamukti, ANN Chamim, Z. Mohamed, **S.N.A.M Kanafiah**, N.H.A. Halim, Application of Watershed Algorithm and Gray Level Co-Occurrence Matrix in Leukemia Cell Images, 2020 IEEE 3rd International Conference on Mechanical, Electronics, Computer and Industrial Technology (MECnIT), pp. 9-14.

5. Y. Jusman, JH Lubis, ANA Chamim, **S.N.A.M Kanafiah**, Feature Extraction Performance to Differentiate of Spinal Curvature Types using Gray Level Co-Occurrence Matrix Algorithm, 2020 IEEE 3rd International Conference on Information and Communications Technology, November presentation 2020.

2019

1. H Ali, AZ Ahmad Firdaus, Mohd Shuhanaz Zanar Azalan, **S.N.A.M Kanafiah**, SH Salman, MR Ahmad, T Sarah T Amran, M Syafiq M Amin, Classification of different materials for underground object using artificial neural network, IOP Conference Series: Materials Science and Engineering, 705(1);pp. 012013
2. **S.N.A.M Kanafiah**, H Ali, AZ Ahmad Firdaus, MS Zanar Azalan, Y Jusman, AA Khairi, MR Ahmad, T Sara, T Amran, I Mansor, SAA Shukor, EM Cheng, CY Fook, Metal shape classification of buried object using multilayer perceptron neural network in GPR data, IOP Conference Series: Materials Science and Engineering, 705(1), pp. 012028.
3. H Ali, AZ Ahmad Firdaus, C.E. Meng, M.R. Ahmad, T.S.T Amran, **S.N.A.M Kanafiah**, CY Fook, S.A. Abdul Shukor, Mohamed Elshaikh; Shape classification of ground penetrating radar using discrete wavelet transform and principle component analysis, IOP Conference Series: Materials Science and Engineering, 705(1), pp. 012046
4. N Nahrawi, WA Mustafa, **S.N.A.M Kanafiah**, M.A. Jamlos, W Khairunizam, Contrast Enhancement Approaches on Medical Microscopic Images: A Review, Proceedings of the 11th National Technical Seminar on Unmanned System Technology 2019, pp. 715-726.

2018

1. **SNAM Kanafiah**, MY Mashor, Z Mohamed, JX Teh, SA Abdul Shukor, NZ Zakaria, HN Lim, H Ali, An Intelligent Recognition Procedure for Trophozoite Stages of Plasmodium Knowlesi Malaria, Journal of Telecommunication, Electronic and Computer Engineering (JTEC), 10(1-16), pp. 31-35.
2. **Siti Nurul Aqmariah Mohd Kanafiah**, Mohd Yusoff Mashor, Wan Azani Mustafa, Zeehaida Mohamed, Shazmin Aniza Abdul Shukor, Haniza Yazid, ZR Yahya, A Novel Contrast Enhancement Technique Based on Combination of Local and Global Statistical Data on Malaria Images, Journal of Biomimetics, Biomaterials and Biomedical Engineering, 38, pp. 23-30.
3. **Kanafiah, S.N.A.M.**, Firdaus, A.Z.A., Jefri, N.F., Karim, N.N., Khalid, N.S., Ismail, I.I., Ridzuan, M.J.M., Ismail, M.A., Ahmad, M.R., Fundamental shape discrimination of underground metal object through one-axis Ground Penetrating Radar (GPR) scan, (2018), Journal of Telecommunication, Electronic and Computer Engineering, 10 (1-13), pp. 43-47.
4. WH Hong, H Mansor, NS Khalid, AZA Firdaus, II Ismail, **SNAM Kanafiah**, H Ali; Design Consideration of Gripper Control for Mine Detector Robot (MDR); Journal of Telecommunication, Electronic and Computer Engineering (JTEC), 10(1-15), pp. 107-110.
5. Yessi Jusman, Widdya Rahmalina, Sri Kartini, May Valzon, **Siti Nurul Aqmariah Mohd Kanafiah**; New Features of Cervical Precancerous Cell Based on FE-SEM/EDX Line Scanning for Classification Systems, Journal of Telecommunication, Electronic and Computer Engineering (JTEC), 10(1-17), pp. 37-42.

2015

1. **Mohd Kanafiah, S.N.A.**, Kamal, N.D.M., Ahmad Firdaus, A.Z., Mohd Ridzuan, M.J., Abdul Majid, M.S., Syahirah, N.K., Ibrahim, I.I., Jusman, Y., Zaki, A., Ismail, M.A., Abdul Rahman, C.Z.C., Recognition system of Underground Object Shape using ground penetrating radar datagram (2016) Proceedings - 5th IEEE International Conference on Control System, Computing and Engineering, ICCSCE 2015, art. no. 7482234, pp. 488-491.
2. M.J.M.Ridzuan, M.S. Abdul Majid, M. Afendi, **S.N. Aqmariah Kanafiah**, and M.B.M. Nuriman, Effects of Alkaline Concentrations on the Tensile Properties of Napier Grass Fibre, Journal of Applied Mechanics and Materials Vol. 786.
3. M.J.M. Ridzuan, M.S. Abdul Majid, M. Afendi, K. Azduwin, **S.N. Aqmariah Kanafiah** and Y. Dan-mallam, The effects of the alkaline treatment's soaking exposure on the tensile strength of Napier fibre, Procedia Manufacturing
4. Syafiqah Ishak, Mohd Hafiz Fazalul Rahiman, **Siti Nurul Aqmariah Mohd Kanafiah**, Hashim Saad; Leaf Disease Classification using ANN; Jurnal Teknologi; 77(17);E-ISSN2180-3722,2015.
5. Yessi Jusman, Nor Ashidi Mat Isa, Siew Cheok Ng, **Siti Nurul Aqmariah Mohd Kanafiah**, Noor Azuan Abu Osman, Quadratic of Half Ellipse Smoothing Technique for Cervical Cells FTIR Spectra in a Screening System, 1st International Conference on Computer Science and Computational Intelligence, (ICCSKI15), 26 – 28 August 2015, Jakarta, Indonesia.
6. **Siti Nurul Aqmariah Mohd Kanafiah**, Yessi Jusman, Nor Ashidi Mat Isa, Zeehaida Mohamed, Radial-Based Cell Formation Algorithm for Separation of Overlapping Cells in Medical Microscopic Images, 1st International Conference on Computer Science and Computational Intelligence, (ICCSKI15), 26 – 28 August 2015, Jakarta, Indonesia.
7. **Siti Nurul Aqmariah Mohd Kanafiah**, Siti Aishah Khamis, AZ Ahmad Firdaus, NK Syahirah, Ismail Ishak, An Intelligent Recognition System for Human Height Measurement, International Conference on Man Machine System 2015 (ICOMMS15), 30 -31 March 2015, Bayview Hotel, Georgetown, Penang.

2014

1. AZ Ahmad Firdaus, Vernoon AWN, KN Syahirah, SM Hafis, **Siti Nurul Aqmariah Mohd Kanafiah**, Ismail II & AZ Nur Hidayah, Design and Analysis of Pulse Induction Underground Mines Detection System, International Conferences of Functional Materials & Metallurgy (ICoFM2014), 17-18 Sept 2014, Flamingo Hotel By The Beach Penang.
2. Marwan Affandi, **Siti Nurul Aqmariah Mohd Kanafiah**, Nurul Syahirah Khalid, Ranggita Dwi Nindya Affandi, Applications of mathematics in various engineering fields, International Conference on Mathematics, Engineering & Industrial Applications

(ICoMEIA 2014), 28 – 30 May 2014, The Gurney Resort Hotel & Residences, Penang, Malaysia.

3. Marwan Affandi, Nurul Syahirah Khalid, **Siti Nurul Aqmariah**, Ranggita Dwi Nindya Affandi, Applying mathematics to several engineering problems, The 9th International Conference on Mathematics, Statistics and Application (ISMSA) 2013.(ICMSA-UMSU 2013, 12-13 Dec 2013, Medan, Indonesia.

2012

1. Marwan Affandi, Normahira Mamat, **Siti Nurul Aqmariah Mohd Kanafiah**, Nurul Syahirah Khalid, Simplified Equations for Saturated Steam Properties for Simulation Purpose, Malaysian Technical Universities Conference on Engineering & Technology 2012, MUCET 2012, Part 6 – Science.20-21 Nov 2012, Hotel Sri Malaysia, Kangar, Perlis.

2009

1. Herdawatie Bt Abd. Kadir, Mohd. Helmy bin Abd. Wahab, **Siti Nurul Aqmariah Bt Mohd Kanafiah**, Boarding School Student Monitoring System (E-ID) using Radio Frequency Identification. Journal of Social Sciences 2009. ISSN 1549-3652, 5(3), 206-211.

2008

1. Herdawatie Bt Abd. Kadir, **Siti Nurul Aqmariah Bt Mohd Kanafiah**, Mohd. Helmy bin Abd. Wahab, Online Student Monitoring System using Radio Frequency Identification, Research & Innovation Festival '08.14-17 Oct 2008, UTHM, Johor
2. Herdawatie Bt Abd. Kadir, Mohd Helmy B. Abd. Wahab, **Siti Nurul Aqmariah Bt Mohd Kanafiah**, Zarina Tukiran, Online Students Supervision (OSS) Systems using Passive RFID, Proceeding of IEEE International Conference on Electronic Design.1-3 Dec 2008, Park Royal Hotel, Penang
3. Herdawatie Bt Abd. Kadir, **Siti Nurul Aqmariah Bt Mohd Kanafiah**, Mohd. Helmy bin Abd. Wahab, Boarding School Student Monitoring System (E-ID) using RFID, The 4th International Conference on Information & Communication Technology & System, (ICTS). ISSN 1858-1633@ 2008 ICTS, pp. 267-271, 5 August 2008, Surabaya, Indonesia.

2007

1. **Siti Nurul Aqmariah Bt Mohd Kanafiah**, Herdawatie Bt Abd. Kadir, Mohd. Helmy bin Abd. Wahab, Boarding School Student Monitoring System (E-ID) using RFID: The effect of passive tags to the E_ID system, Proceeding of National Conference of Science & Mathematic Application (SKASM '07), 5 Dec 2007, UTHM, Batu Pahat, Johor.

International Conferences

Over 30 local and international conferences publications

Research Exhibition & Innovation

2022

1. **1 GOLD**, Azmirul Che Adle@Che Adli, **Siti Nurul Aqmariah Bt Mohd Kanafiah**; Automated Recognition System for Percentage Score of Lung Coronavirus Disease 2019 (COVID 19) Involvement; Malaysia Technology Expo 2022 (MTE2022) June 2022.
2. **1 GOLD**, **Siti Nurul Aqmariah Bt Mohd Kanafiah**, Omar Ahmed Salem Alkaf, Mohd Yusoff Mashor, Zeehaida Mohamed, Siti Marhainis Othman, Nordiana Shariffudin, Yessi Jusman; Automated Classification System for Plasmodium Falciparum and Plasmodium Knowlesi Malaria Species; The National Innovation and Invention Competition (NIICe2022), August2022.
3. **1 GOLD**, **Siti Nurul Aqmariah Bt Mohd Kanafiah**, Wan Nur Atirra Bt Wan Ibrahim, Siti Marhainis Othman, Hasimah Ali, Shazmin Aniza Bt Abdul Shukor, Syafinaz Bt Amin-Nordin, Eusni Rahayu Bt Mohd Tohit; Automated Recognition System for Iron and Normal Red Blood Cells in Human Body; The National Innovation and Invention Competition (NIICe2022), August2022.
4. **1 GOLD**, **Siti Nurul Aqmariah Bt Mohd Kanafiah**, Azmirul Bin Che Adle@Che Adli, Hasimah Ali, Shazmin Aniza Bt Abdul Shukor, Siti Marhainis Bt Othman, Syafinaz Amin-Nordin, Siti Rohani Bt Mohd Yakop, Nurul Aida Bt Selamat@Keliwon; The National Innovation and Invention Competition (NIICe2022), August2022.
5. **1 GOLD**, Nazlee Azmeer Massuan, Hasimah Ali, Ahmad Firdaus Ahmad Zaidi, Tengku Sarah Tengku Amran, **Siti Nurul Aqmariah Bt Mohd Kanafiah**, Siti Marhainis Othman, Mohamed Alshaikh; 3D Reconstruction Hyperbolic Image of Buried Object Using GPR B-Scan Image for Mapping Purposes; The National Innovation and Invention Competition (NIICe2022), August2022.
6. **1 SILVER**, Siti Marhainis Othman, Julida A/P Nai Let, Mohd Nasir Ayob, **Siti Nurul Aqmariah Bt Mohd Kanafiah**, Norasmadi Abdul Rahim, Abu Hassan Abdullah, Nud Cha Lin A/P Verak; The National Innovation and Invention Competition (NIICe2022), August2022.
7. **1 SILVER**, Nordiana Bt Shariffudin, Muhammad Hazim Bin Omar, Khairul Fazizul Bin Mat Dris, **Siti Nurul Aqmariah Bt Mohd Kanafiah**, Ismail Ishaq Bin Ibrahim; Smart Badminton Scoring System for Educational Purpose; Virtual Research & Innovation Exhibition UniMAP (EREKA 2022), Februari 2022.
8. **1 SILVER**, Siti Marhanis Bt Othman, Tan Yu Xuan, Amirah Husna Bt Mohamad Hajazi, Mohamad Nor Izani Bin Mohd Rashidi, Muhammad Azzim Bin Jalaluddin, **Siti Nurul Aqmariah bt Mohd Kanafiah**, Hasimah Ali; IOT Based Smart Helmet for Student Monitoring Based on Facial Recognition System; Virtual Research & Innovation Exhibition UniMAP (EREKA 2022), Februari 2022.

9. **1 SILVER**, Hasimah Ali, Mohamad Shahril Rezman Bin Mohamad Nizam, Goay Sze Wen, Nurul Hidjah Bt Mohd Zahir, Muhd Zaki Bin Sanusi, Saleh Ali Salem Ba Wahal, Siti Marhanis Bt Othman, **Siti Nurul Aqmariah bt Mohd Kanafiah**; Portable Smart Vending Machine System Based Internet of Things; Virtual Research & Innovation Exhibition UniMAP (EREKA 2022), Februari 2022.
10. **1 SILVER**, Siti Marhanis Bt Othman, Wong Kar Yi, Devendiranath.K, Mohd Saifizi Saidon, Hassrizal Hassan Basri, **Siti Nurul Aqmariah bt Mohd Kanafiah**, Hasimah Ali, Abdul Halim Ismail; Modeling and Controller Design for Electro-Hydraulic Actuator (EHA) System; Virtual Research & Innovation Exhibition UniMAP (EREKA 2022), Februari 2022.
11. **1 SILVER**, Nordiana Bt Shariffudin, Siti Nur Ain Bt Aziz, **Siti Nurul Aqmariah Bt Mohd Kanafiah**, Nurul Syahirah Bt Khalid, Mohd Zamri Bin Hassan, Khairul Fazizul Bin Mat Dris; IOT-Based Smart Healthcare Monitoring System; Virtual Research & Innovation Exhibition UniMAP (EREKA 2022), Februari 2022.
12. **1 BRONZE**, Nordiana Bt Shariffudin, Aidil Fadlin Bin Ahmad Faizul, **Siti Nurul Aqmariah Bt Mohd Kanafiah**, Mohd Firdaus Bin Ismail, Khairul Fazizul Bin Mat Dris, Zanhassida Bt Md Isa; Betta Fish Tank Monitoring System Using IOT; Virtual Research & Innovation Exhibition UniMAP (EREKA 2022), Februari 2022.

Book chapter publications

2022

1. S.M. Othman, W.K. Yi, R.A. Rustam, M.F. Rahmat, M.S.Z. Azalan, M.S.M. Azmi, M.S.M. Hashim, **S.N.A.M. Kanafiah**, Model Reference Adaptive Controller Design for Electrohydraulic Actuator System with Varying Disturbance, Book Chapter: Control, Instrumentation and Mechatronics: Theory and Practice, Springer, Singapore, (2022), pp. 180-191.

Reviewer

ISI Journal

2022

1. 4 journals of Egyptian Informatics Journal / ISI / Elsevier

2021

1. 1 journals of Egyptian Informatics Journal / ISI / Elsevier
2. 1 journal of Computers, Materials & Continua (CMC) / ISI / Tech Science Press
3. 1 journal of Computer Systems Science and Engineering (CSSE) / ISI / Tech Science Press
4. 2 journals of Intelligent Automation and Soft Computing (IASC) / ISI / Tech Science Press

Scopus Journal/Conference

2022

1. 1 proceeding paper: 18th IEEE International Colloquium on Signal Processing & Applications, Modelling RTK-GNSS Trajectory Data using Sparse Gaussian Process Models.
2. 1 proceeding paper: The 2nd International Conference on Electrical and Electronic Intelligent System (ICE3IS2022), Basis Pursuit and Its Linear Programming Equivalence: A Signal Recovery Comparison.
3. 2 proceeding papers: The 2022 3rd International Conference on Information Technology, Title 1st : Advanced Mechanical and Electrical Engineering (ICITAMEE2022), Effect Variation of Grading Electrode and Stub Position on Polluted Chain Isolator; Title 2nd: Computational Study on the Performance of Textured Parallel Thrust Bearings Considering Artificial Slip.

2021

1. 1 Journal of Engineering Science, Artificial Intelligence in Classroom: Integrating Technologies to aid Conventional Lecture; August 2021.
2. 1 proceeding paper: 2021 1st International Conference on Electronic and Electrical Engineering and Intelligent System (ICE3IS), Automated Industrial Robotic Arm for High-Speed Assembly Lines; Sentiment Analysis of Tunisian Users on Social Networks: Overcoming the Challenge of Multilingual Comments in the Tunisian Dialect; September, 2021.

2020

1. 1 Journal of Engineering and Applied Science Research, Optimum General Threshold Value for Preprocessing in Plasmodium Parasites Detection; November 2020.

2019

1. 1 Journal of International Journal of Integrated Engineering, Smart Home Control for Disabled Using Brain Computer Interface, December 2019.

2017

1. 1 Journal of Telecommunication, Electronic and Computer Engineering (JTEC); 2017.

Jury

2022

1. Jury /Innovation & Design Expo 2022 (IDEX2022)/ 28 February 2022
2. Jury/ 2nd International Conference on Teacher Education 2022 (ICTE'22)/1st May – 11th October 2022
3. Jury/Innovative Research, Invention & Application Exhibition 2022 (I-RIA2022)/ July-August 2022
4. Jury/The National Innovation and Invention Competition (NIICe2022)/August2022
5. Jury/International Research and Innovation Symposium and Exposition 2022 (RISE2022)/26 October 2022
6. Jury/

2021

1. Jury / Research and Innovation Technology Competition 2021 (RITEC 2021) / International / 25-27 October 2021
2. Jury / International Virtual Expo of Innovation Product and System Design (In-ViDE) 2021 / International / 12-15 November 2021
3. Jury / Innovative Teaching and Learning Research Day 2021 (InTRed'21) / International / 09 December 2021
4. Jury / International Invention, Innovation and Design Expo (INoDEX2021) / International / 8-9 November 2021
5. Jury / Diploma in Mechatronic Engineering Technological Exhibition 2021 (DiMETE'21) / Faculty / 29 November 2021

Research Interest

Image Processing, Signal Processing, Artificial Intelligent, Deep Learning, Medical Diagnostic Systems.

List of Research Grants

	FRGS, RM	RAGS, RM	UniMAP Mentorship Research Grant RM	Total Amount, RM
Research grants	190,200.00	60,000.00	5,000.00	255,200.00

1. **Co-Researcher: Siti Nurul Aqmariah bt Mohd Kanafiah**
Enriching Deep Convolution Neural Network Architecture using Embedded Modelling Approach for Robust Acute Promyelocytic Leukemia Dagnosis, Fundamental Research Grant Scheme (FRGS), **RM 129,200.00, 1 September 2022 – 31 August 2025, Status: On-Going.**
2. **Co-Researcher: Siti Nurul Aqmariah bt Mohd Kanafiah**
Intelligent Detection and Classification Procedure for Plasmodium Knowlesi Malaria Species, Mentorship Research Grant, UniMAP, 2020-2021 **RM 5,000.00, December 2020-December 2021 , Status: Completed.**
3. **Main-Researcher: Siti Nurul Aqmariah bt Mohd Kanafiah**
Formulation of an Automated Recognition Algorithm for Plasmodium Knowlesi Malaria Species by utilizing Features Fusion Technique, Fundamental Research Grant Scheme (FRGS), **RM 61,000.00, 02 March 2016 - 02 February 2019, Status: Completed.**
4. **Main-Researcher: Siti Nurul Aqmariah bt Mohd Kanafiah**
Mechanical properties and impact response behavior investigation of Napier grass fibre reinforced polymer composites Research Acculturation Grant Scheme (RAGS) **RM 60,000.00, 17 November 2014 – 16 November 2016, Status: Completed**

Postgraduate Supervision

	Graduated	On-Going
GRA	1	0
Msc	0	3
Total	1	3

1. MSc. in Mechatronic Engineering, Wikan Tyassari, Automated Classification System for Plasmodium Knowlesi Malaria Species using Deep Learning Network Architecture, (Status: **On-Going**), 2022-present, **Main- Supervisor.**

2. MSc. in Mechatronic Engineering, Masayu Alya Nur'Aini, Neural Network Algorithm Development for Automatic Detection of Leukaemia Disease, (Status: **On-Going**), 2022-present, **Main- Supervisor**.
3. MSc. in Biomedical Engineering, Nadzirah Bt Nahravi, Colour Contrast Enhancement & Nucleus Segmentation on Pap Smear Images, (Status: **On-Going**), 2018-2022, **Co-Supervisor**.
4. GRA in Biomedical Engineering, Lim Huey Nee, Formulation of an Automated Recognition Algorithm for P.Knowlesi Malaria Species by Utilizing Features Fusion Technique, (Status: **Completed**), 2016-2018, **Main- Supervisor**.

Undergraduate Final Year Project (FYP) Supervision

1. BEng (Hons) in Mechatronic Engineering, Azmirul Che Adle@Che Adli, "Automated Recognition System for Percentage Score of Lung Coronavirus Disease 2019 (COVID 19) Involvement" (Status: **Graduated**), 2021-2022, Main-Supervisor
2. BEng (Hons) in Mechatronic Engineering, Omar Ahmed Salem Alkaf, "Automated Classification System for Plasmodium Falciparum and Plasmodium Knowlesi Malaria Species" (Status: **Graduated**), 2021-2022, Main-Supervisor
3. BEng (Hons) in Mechatronic Engineering, Wan Nur Atirra Bt Wan Ibrahim, "Automated Recognition System for Iron and Normal Red Blood Cells in Human Body" (Status: **Graduated**), 2021-2022, Main-Supervisor
4. BEng (Hons) in Mechatronic Engineering, Nor Najihah Bt Yusop, "3D Visualization Ground Penetrating Radar (GPR) Hyperbolic B-Scan of Underground Metal Object" (Status: **Graduated**), 2021-2022, Main-Supervisor
5. BEng (Hons) in Mechatronic Engineering, Muhamad Syamir Bin Azhar, "Development of Life Cycle Stage Classification System for Plasmodium Knowlesi Malaria Species" (Status: **Graduated**), 2020-2021, Co-Supervisor
6. BEng (Hons) in Mechatronic Engineering, Nadzirah Bt Nahravi, "An Intelligent Classification System for Gametocyte Stages of P.Falciparum, P.Vivax and P.Knowlesi in Malaria Parasite" (Status: **Graduated**), 2017-2018, Main-Supervisor.
7. BEng (Hons) in Mechatronic Engineering, Yap Chun Way, "An Intelligent Classification System for Trophozoites Stages of P.Falciparum, P.Vivax and P.Knowlesi in Malaria Parasite" (Status: **Graduated**), 2017-2018, Main-Supervisor.
8. BEng (Hons) in Mechatronic Engineering, Saffanah Bt Showkathali, "An Intelligent Classification System for Plasmoidum Knowlesi Malaria Species (All Stages)" (Status: **Graduated**), 2017-2018, Main-Supervisor.
9. BEng (Hons) in Mechatronic Engineering, Ainul Adilah Bt Khairi, "Recognition of Metal Shape Underground by using Ground Penetrating Radar" (Status: **Graduated**), 2016-2017, Main-Supervisor.
10. BEng (Hons) in Mechatronic Engineering, Teh Jing Xu, "An Intelligent Recognition System for Plasmodium Knowlesi Malaria in Trophozoite Stage using Machine Vision System" (Status: **Graduated**), 2016-2017, Main-Supervisor.
11. BEng (Hons) in Mechatronic Engineering, Ong yan Pin, "An Intelligent Classification System on Malaria Parasite Types" (Status: **Graduated**), 2015-2016, Main-Supervisor.
12. BEng (Hons) in Mechatronic Engineering, Muhammad AinzulHafiz Bin Mat Salleh, "An Intelligent Classification System for Normal And Abnormal (Scoliosis) Spinal Curvature" (Status: **Graduated**), 2015-2016, Main-Supervisor.
13. BEng (Hons) in Mechatronic Engineering, NorNajihah Bt Karim, "Material Recognition System of Ground Penetrating Radar (GPR) Signal" (Status: **Graduated**), 2015-2016, Main-Supervisor.
14. BEng (Hons) in Mechatronic Engineering, Nor Farhana Bt Jefri, "Recognition System of Metal Shape by using Ground Penetrating Radar" (Status: **Graduated**), 2015-2016, Main-Supervisor.
15. BEng (Hons) in Mechatronic Engineering, Nur Diyanah Bt Mustafa Kamal, "An Intelligent Recognition System for Ground Penetrating Radar Data" (Status: **Graduated**), 2014-2015, Main-Supervisor.
16. BEng (Hons) in Mechatronic Engineering, Muhammad Hazwan Bin Yusoff, "Fish Weight Recognition System based on Fish Measurement" (Status: **Graduated**), 2014-2015, Main-Supervisor.
17. BEng (Hons) in Mechatronic Engineering, Ibrahim Bin Zakaria, "Design and Analysis of Discrimination System for Pulse Induction Underground Metal Detector" (Status: **Graduated**), 2014-2015, Co-Supervisor.
18. BEng (Hons) in Mechatronic Engineering, Nor Liyana Bt Ahmad@Omar, "Design and Development of Vision – Based Landmines Recognition System" (Status: **Graduated**), 2014-2015, Main-Supervisor.
19. BEng (Hons) in Mechatronic Engineering, Sivasangari A/P Venugopal, "Design and Development of a bread toaster using a color indicator" (Status: **Graduated**), 2014-2015, Co-Supervisor.
20. BEng (Hons) in Mechatronic Engineering, NurulHazwani Bt Razali, "Designing of Secure E-Voting System (User Identification)" (Status: **Graduated**), 2013-2014, Co-Supervisor.
21. BEng (Hons) in Mechatronic Engineering, Muhammad Hafiz Bin Mohd Noor, "Secure E-Voting System (Software)" (Status: **Graduated**), 2013-2014, Co-Supervisor.
22. BEng (Hons) in Mechatronic Engineering, Siti Aisyah Bt Md Khamis, "An Intelligent Recognition System for Human Height" (Status: **Graduated**), 2013-2014, Main-Supervisor.
23. BEng (Hons) in Mechatronic Engineering, Mohd Anwar Bin Ahmad, "An Intelligent Recognition System of Landmine (Normal and Abnormal)" (Status: **Graduated**), 2013-2014, Main-Supervisor.
24. BEng (Hons) in Mechatronic Engineering, Jagen Mohan A/L Gopal, "An Intelligent Biometric Fingerprint Recognition System" (Status: **Graduated**), 2013-2014, Main-Supervisor.

25. BEng (Hons) in Mechatronic Engineering, Mohamad Fayyadh Bin Ya'akub, "Classification for Malaria Parasite Types (Plasmodium Vivax and Normal RBC)" (Status: **Graduated**), 2013-2014, Main-Supervisor.
26. BEng (Hons) in Mechatronic Engineering, Nurul Sharmimie Bt Zainal Abidin, "Classification of Malaria Parasite (Plasmodium Falciparum and Normal Red Blood Cells)" (Status: **Graduated**), 2012-2013, Main-Supervisor.
27. BEng (Hons) in Mechatronic Engineering, Mohamad Amzar Bin Azemi, "To Study Landmine Feature Recognition using Vision System (Recognition System of Landmine Features)" (Status: **Graduated**), 2012-2013, Main-Supervisor.
28. BEng (Hons) in Mechatronic Engineering, Murally A/L Murugan, "Intelligent Face Recognition System by using Vision System" (Status: **Graduated**), 2012-2013, Main-Supervisor.
29. BEng (Hons) in Mechatronic Engineering, Siti Afiqah Binti Mohd Bakhari, "To Study Face Recognition System by using Vision System" (Status: **Graduated**), 2012-2013, Main-Supervisor.
30. BEng (Hons) in Mechatronic Engineering, Kang Faydi, "Design and Development of Remote Communication System for Mines Detector Robot" (Status: **Graduated**), 2012-2013, Co-Supervisor.

Industrial Training Supervision

1. Sharifah Nur Farhana Bt Sd Mohd Nadzri, 2014, Jabatan Kerja Raya, Pekan, Pahang.
2. Nik Ahmad Hafizin Jamil Bin Nor Rahim, 2014, Politeknik Muadzam Shah,Lebuh Raya Tun Abdul Razak, 26700,Muadzam Shah, Pahang.
3. Siti Nur Jannah Binti Sheikh Halimi, 2014, Politeknik Muadzam Shah,Lebuh Raya Tun Abdul Razak, 26700,Muadzam Shah, Pahang.
4. Nurul Zahirah Binti Md Zakaria, 2014, Unit R&D Applied Technology, Ppptr, Pusat Perkhidmatan Pertanian Tun Razak (Felda Residence Tekam, Tun Razak Agriculture Research Centre, Jerantut), Pahang.
5. Masdiana Binti Bedin, 2014, Bhg.Pembahagian, Tnb.Jalan Besar 26400 Bandar Tun Abdul Razak Jengka Pahang.
6. Nor Fadhua Binti Abd Rahman, 2014, Pusat Penyelidikan Pembangunan Koko (Pppk Jengka), Jalan Jengka 23, Peti Surat 34, Pahang.
7. Loke Kah Wai, 2014, Robin Resources (Malaysia) Sdn Bhd, No.1, Jalan Industri 5, Taman Perindustrian Temerloh, 28400 Mentakab, Pahang.
8. Zulkarnain Bin Ibrahim, 2014, Felda Palm Industries Sdn. Bhd., Kilang Sawit Mempaga,28600, Karak, Pahang.
9. Muhammad Nazeri Bin Anas, 2014, Elektrisola (M) Sdn. Bhd., Jalan Damai 1, Janda Baik, 28750 Bentong ,Pahang.
10. Norita Binti Ridzuan Sugumaran, 2014, Raub Autralian Gold Mining Sdn. Bhd., Po Box 30, Bukit Koman, 27600 Raub, Pahang.
11. Siti Masaini Binti Mohamad Rosli, 2014, Raub Autralian Gold Mining Sdn. Bhd., Po Box 30, Bukit Koman, 27600 Raub, Pahang.
12. Noor Khairunnisa Binti Amanzuria, 2014, Penjom Gold Mine, Empang Jaleh, Po Box 49, 27200 Kuala Lipis, Pahang
13. Mohamad Ani Hazwan Bin Ahmad Zaini, 2014 Penjom Gold Mine, Empang Jalih, Po Box 49, Pahang.
14. Nur Fatehah Binti Ahmad, 2014, Lot 3, Kawasan Perindustrian Kechau Tui, 27100 Kuala Lipis, Pahang.
15. Nurul Aini Binti Khalid, 2013, 2493, Lorong Perusahaan Lapan, Mukim 1, Kaw. Perindustrian Perai, 13600 Perai, Penang.
16. Nur Shahadah Binti Azizan, 2013, 2493, Lorong Perusahaan Lapan, Mukim 1, Kaw. Perindustrian Perai, 13600 Perai, Penang
17. Hashimah Binti Abd Hamid, 2013, 2493, Lorong Perusahaan Lapan, Mukim 1, Kaw. Perindustrian Perai, 13600 Perai, Penang
18. Nur Hanim Bt Khairul Azman, 2013, 2493, Lorong Perusahaan 8, Mukim 1,Kaw. Perindustrian Perai, Penang.
19. Noor Azila Bt Che Azman, 2013, 2493, Lorong Perusahaan 8, Mukim 1,Kaw. Perindustrian Perai, Penang
20. Farah Suhaida Bt Ghazali, 2013, 2493, Lorong Perusahaan 8, Mukim 1,Kaw. Perindustrian Perai, Penang.
21. Adam Raj A/L Anthony, 2013, (179173-H), 2493, Lorong Perusahaan Lapan, Mukim 1, Kaw. Perindustrian Perai, 13600 Perai, Penang.
22. Siti Sakinah Binti Kamarudin, 2013, No 2455 Mk1,Tingkat Perusahaan 2a,Prai Industrial Estate,13600 Prai, Penang.
23. Siti Ayuni Binti Mukhtar, 2013 Continental Automotive Instruments Malaysia Sdn. Bhd, 2455, Mk1, Tingkat Perusahaan 2 A, Penang.
24. Chan Yi Hoong, 2013, 2576. Lorong Perusahaan 10, Prai Industrial Estate, 13600 Prai, Penang.
25. Bak Jia Yang, 2013, Lot 2840, Tingkat Perusahaan 1, Prai Industrial Estate, 13600 Prai, Penang.
26. Heng Siew Huei, 2013, Lot 2840, Tingkat Perusahaan 1, Prai Industrial Estate, 13600 Prai, Penang.
27. Teh Keat Yao, 2013, Bhl Metal Industries Sdn Bhd, Lot 2840, Tingkat Perusahaan 1,Prai Industrial Estate, Penang.
28. Keh Guo Zhao, 2013, Bhl Metal Industries Sdn Bhd, Lot 2840, Tingkat Perusahaan 1,Prai Industrial Estate, Penang.
29. Muhammad Adlin Syahar Bin Mahadi, 2013, 2610,Tingkat Perusahaan Tiga, Kawasan Perusahaan Prai, 13600 Prai, Penang.
30. Ahmad Fahami Bin Ahmad Shafie, 2013, 2610,Tingkat Perusahaan Tiga, Kawasan Perusahaan Prai,13600 Prai, Penang
Muhammad Afiq Bin Idris, 2013, 2610, Tingkat Perusahaan Tiga, Kawasan Perusahaan Perai, Penang.
31. Muhamad Sofian Assaure Bin Bahari, 2013, 2610, Tingkat Perusahaan Tiga, Kawasan Perusahaan Perai, Penang.
32. Mohd Hafiz Bin Mohd Nasir, 2013, 2610, Tingkat Perusahaan Tiga, Kawasan Perusahaan Perai, Penang.
33. Mohammad Firdaus Bin Aziz, 2013, 2610, Tingkat Perusahaan Tiga, Kawasan Perusahaan Perai, Penang.
34. Muhammad Najib Bin Ramli, 2013, 2610,Tingkat Perusahaan Tiga, Jalan Klang Lama, Kawasan Perusahaan Prai, 13600 Prai, Penang.

35. Muhammad Azlan Bin Yahya, 2013, 2610, Tingkat Perusahaan Tiga, Jalan Klang Lama, Kawasan Perusahaan Prai, 13600 Prai, Penang.
36. Abdul Hakim Bin Abdul Wahab Sha'arani, 2013, 2610, Tingkat Perusahaan Tiga, Jalan Klang Lama, Kawasan Perusahaan Prai, 13600 Prai, Penang.

Teaching-Undergraduate course

1. EMK47203/3 Mechatronic System (Semester 1 2021/2022)
2. EMJ17104/4 Analog Electronics (Semester 2 2021/2022)
3. ENT 366/3 Machine Vision (Semester 1 2018/2019)
4. ENT 388/3 Electronics (Semester 2 2018/2019)
5. ENT 388/3 Electronics (Semester 1 2017/2018)
6. ENT 363/3 Machine Vision System (Semester 2 2017/2018)
7. ENT 388/3 Electronics (Semester 2 2016/2017)
8. ENT 363/3 Machine Vision System (Semester 2 2016/2017)
9. ENT 388/3 Electronics (Semester 1 2015/2016)
10. ENT 363/3 Machine Vision System (Semester 2 2015/2016)
11. ENT 471/4 Automation (Semester 1 2014/2015)
12. ENT 363/3 Machine Vision System (Semester 2 2014/2015)
13. ENT 471/4 Automation (Semester 1 2013/2014)
14. ENT 363/3 Machine Vision System (Semester 2 2013/2014)
15. ENT 281/3 Signals & Systems (Semester 1 2012/2013)
16. ENT 363/3 Machine Vision System (Semester 2 2012/2013)

Service/Research Award

1. Advisory Board, 3rd International Conference on Information Technology, Advanced Mechanical and Electrical Engineering (ICITAMEE), 2022.
2. Visiting Lecturer, Fakultas Teknik, Universitas Muhammadiyah Yogyakarta (UMY), Indonesia, 2022.
3. Assessor of Microscopic Image such as Leukemia, TB, Cervical Cancer and Malaria Species for Grant Research of Universiti Muhammadiyah, Yogyakarta, Indonesia, 2019/2020
4. Appointed as a collaborator of medical microscopic image data collection from Grant research Universiti Muhammadiyah, Yogyakarta, Indonesia, 2019/2020.
5. Awarded 'Skim Latihan Akademik' to pursue PhD in Mechatronic Engineering at Universiti Malaysia Perlis, 2019.
6. Appointed as a researcher of signal processing field in Ground Penetrating Radar with Agensi Nuklear Malaysia and MOA in 2017-2021.

Administration Post

1. Member of Signal Processing and Artificial Intelligent Division, FTKE, UniMAP, 2021/2022.
2. Rakan Pendamping Siswa (RPS) for 20 students of Mechatronic Engineering Programme, FTKE, UniMAP, 2021/2022.
3. Panel of Academic Audit, FTKE, UniMAP, 2021.
4. Coordinator of FYP, Mechatronic Engineering Programme, Pusat pengajian Kejuruteraan Mekatronik, Universiti Malaysia Perlis, 2017/2018
5. Member of Electronics Division, Pusat pengajian Kejuruteraan Mekatronik, Universiti Malaysia Perlis, 2017/2018
6. Coordinator of FYP, Mechatronic Engineering Programme, Fakulti Teknologi Kejuruteraan Elektrik (FTKE), 2016/2017
7. Member of Electronics Division, Pusat pengajian Kejuruteraan Mekatronik, Universiti Malaysia Perlis, 2016/2017
8. Rakan Pendamping Siswa (RPS) for 24 students of Mechatronic Engineering Programme, PPK Mekatronik, 2016/2017
9. Coordinator of FYP, Mechatronic Engineering Programme, Fakulti Teknologi Kejuruteraan Elektrik (FTKE), 2015/2016
10. Mentor of IDP, Mechatronic Engineering Programme, Pusat pengajian Kejuruteraan Mekatronik, Universiti Malaysia Perlis, 2015/2016
11. Member of Electronics Division, Pusat pengajian Kejuruteraan Mekatronik, Universiti Malaysia Perlis, 2015/2016
12. Rakan Pendamping Siswa (RPS) for 24 students of Mechatronic Engineering Programme, PPK Mekatronik, 2015/2016
13. Assistant Coordinator of FYP, Mechatronic Engineering Programme, Fakulti Teknologi Kejuruteraan Elektrik (FTKE), 2014/2015
14. Coordinator of Academic Audit, Mechatronic Engineering Programme, Fakulti Teknologi Kejuruteraan Elektrik (FTKE), 2014/2015
15. Supervisor of Industrial Training Visit in Kelantan, 2015.

16. Mentor of IDP, Mechatronic Engineering Programme, Pusat pengajian Kejuruteraan Mekanik, Universiti Malaysia Perlis, 2014/2015
17. Member of Signal Processing and Artificial Intelligent Division, Pusat pengajian Kejuruteraan Mekanik, Universiti Malaysia Perlis, 2014/2015
18. Course and Evaluation File Committee member, Mechatronic Engineering Programme Students, PPK Mekanik, 2014/2015
19. Rakan Pendamping Siswa (RPS) for 23 students of Mechatronic Engineering Programme, PPK Mekanik, 2014/2015
20. Assistant Coordinator of FYP, Mechatronic Engineering Programme, Fakulti Teknologi Kejuruteraan Elektrik (FTKE), 2013/2014
21. Coordinator of Academic Audit, Mechatronic Engineering Programme, Fakulti Teknologi Kejuruteraan Elektrik (FTKE), 2013/2014
22. Supervisor of Industrial Training Visit in Pahang, 2014.
23. Mentor of IDP, Mechatronic Engineering Programme, Pusat pengajian Kejuruteraan Mekanik, Universiti Malaysia Perlis, 2013/2014
24. Member of Signal Processing and Artificial Intelligent Division, Pusat pengajian Kejuruteraan Mekanik, Universiti Malaysia Perlis, 2013/2014
25. Course and Evaluation File Committee member, Mechatronic Engineering Programme Students, PPK Mekanik, 2013/2014
26. Rakan Pendamping Siswa (RPS) for 23 students of Mechatronic Engineering Programme, PPK Mekanik, 2013/2014
27. Assistant Coordinator of FYP, Mechatronic Engineering Programme, Fakulti Teknologi Kejuruteraan Elektrik (FTKE), 2012/2013
28. Coordinator of Academic Audit, Mechatronic Engineering Programme, Fakulti Teknologi Kejuruteraan Elektrik (FTKE), 2012/2013
29. Supervisor of Industrial Training Visit in Penang, 2013.
30. Member of Signal Processing and Artificial Intelligent Division, Pusat pengajian Kejuruteraan Mekanik, Universiti Malaysia Perlis, 2012/2013
31. Course and Evaluation File Committee member, Mechatronic Engineering Programme Students, PPK Mekanik, 2012/2013
32. Rakan Pendamping Siswa (RPS) for 23 students of Mechatronic Engineering Programme, PPK Mekanik, 2012/2013

Postgraduate Panel

1. Panel of Proposal Defence for Sharifah Nurul Husna Bt Syed Hanapi, Master of Science, Mechatronic Engineering, with research title: Automatic Oil Palm Tree Counting From Uav Images, 2022, FTKE, UniMAP.

Undergraduate Final Year Project (FYP) Thesis Examiner

1. FYP examiner for Muhammad Ikmal Safwan Bin Nasri, BEng in Mechatronic Engineering with research title: Recognition of Different Utility Pipes Size of GPR Images at Different Penetration Depth., 2022, FTKE, UniMAP.
2. FYP examiner for Fahim Yusof Bin Mohd Hanafiah, BEng in Mechatronic Engineering with research title: Pathological Voice Disorder Classification using Convolutional Neural Network Model., 2022, FTKE, UniMAP.
3. FYP examiner for Mohamad Shairil Rezman Bin Mohamad Nizam, BEng in Mechatronic Engineering with research title: Prediction of Soil Nutrient for Reproductive Vegetative Shoot Grow using Embedded Fuzzy Logic., 2022, FTKE, UniMAP.
4. FYP examiner for Mohd Nizamudin Bin Abdul Rasid, BEng in Mechatronic Engineering with research title: Development of Intelligent Living Room Lighting using Embedded Fuzzy Logic., 2022, FTKE, UniMAP.
5. FYP examiner for Muhammad Syamil Bin Zamri, BEng in Mechatronic Engineering with research title: Early Detection of Decay in Perishable Food., 2022, FTKE, UniMAP.
6. FYP examiner for Dhanesh Kumar A/L Venugopal, BEng in Mechatronic Engineering with research title: Structure Detection from Cluttered Occluded Point Cloud Data using RANSAC., 2022, FTKE, UniMAP.
7. FYP examiner for Suhanesan A/L Elangoh, BEng in Mechatronic Engineering with research title: Furniture Detection from Occluded, Cluttered Point Cloud Data., 2022, FTKE, UniMAP.
8. FYP examiner for Darren Tan Ming Hao, BEng in Mechatronic Engineering with research title: Data Fusion of Harumanis Quality using Visible Imaging., 2022, FTKE, UniMAP.
9. FYP examiner for Shafarudin Bin Amiruddin, BEng in Mechatronic Engineering with research title: Analyzing and Evaluating Human Tracking From Video Methods., 2016, School of Mechatronic Engineering
10. FYP examiner for Wan Mohamad Nurrahim Bin Wan Zakaria, BEng in Mechatronic Engineering with research title: Localization Study With High Speed Kinect Sensor., 2016, School of Mechatronic Engineering
11. FYP examiner for Kang Chen Huei, BEng in Mechatronic Engineering with research title: Adaptive Gesture Design and Development of a Thermal Comfort System Model., 2016, School of Mechatronic Engineering
12. FYP examiner for Teh Hung Yau, BEng in Mechatronic Engineering with research title: Design and Development of a Low Cost Laser Scanner., 2016, School of Mechatronic Engineering
13. FYP examiner for Haithm AbdulSalam Hamood Al-Baidhani, BEng in Mechatronic Engineering with research title: Behaviours based robot using NI Robotic Platform., 2016, School of Mechatronic Engineering
14. FYP examiner for Dinesh A/L Balakrishnan, BEng in Mechatronic Engineering with research title: Analysis The Accuracy Of Manipulating Object In Virtual Reality Environment By Using Machine Vision., 2015, School of Mechatronic Engineering
15. FYP examiner for Muhammad Asraf Bin Abdul Razak, BEng in Mechatronic Engineering with research title: Analysis of Finger

- Touch Information by Using Flexi Force Sensor., 2015, School of Mechatronic Engineering
16. FYP examiner for Muhammad Luqman Bin Rosli, BEng in Mechatronic Engineering with research title: Classification of sound source based on signal processing technique., 2015, School of Mechatronic Engineering
 17. FYP examiner for Siti Nur Wahida Bt Muhammad, BEng in Mechatronic Engineering with research title: Automated Visual Inspection Device Of Rice Leaf., 2015, School of Mechatronic Engineering
 18. FYP examiner for Mohammed Saleh Bazighfan, BEng in Mechatronic Engineering with research title: Speech Analysis Based on Movements Information of Human Lip., 2015, School of Mechatronic Engineering
 19. FYP examiner for Abd Aziz Bin Abd Rahman, BEng in Mechatronic Engineering with research title: Vision-based Path Estimation for the Navigation of Autonomous Electric Vehicle (AEV)., 2015, School of Mechatronic Engineering
 20. FYP examiner for Ahmad Akmal Bin Anwar Mahayudin, BEng in Mechatronic Engineering with research title: Design Of Acoustic Key For Container Locking System., 2015, School of Mechatronic Engineering
 21. FYP examiner for Muhamad Aiman Bin Alias, BEng in Mechatronic Engineering with research title: Dynamic & customizable odour monitoring system., 2015, School of Mechatronic Engineering
 22. FYP examiner for Nur Hafifa Bt Md Yusof, BEng in Mechatronic Engineering with research title: Audio localisation for forest health monitoring., 2015, School of Mechatronic Engineering
 23. FYP examiner for Mohd Hasnol Bin Abdullah, BEng in Mechatronic Engineering with research title: Scent Event Classification for Forest Health Index., 2015, School of Mechatronic Engineering
 24. FYP examiner for Muhammad Fazrul Ariff Bin Sa'ad, BEng in Mechatronic Engineering with research title: Analysis of Correlating Finger Bending Angle and Voltage Outputted From Flexi Bending Sensor of GLoveMAP., 2014, School of Mechatronic Engineering
 25. FYP examiner for Mohd Zakwan Bin Desa, BEng in Mechatronic Engineering with research title: Adaptive Gesture Recognition by using Hand Motion Trajectories., 2014, School of Mechatronic Engineering
 26. FYP examiner for Fakhrol Asyraf Bin Abu Bakar, BEng in Mechatronic Engineering with research title: Analysis the Accuracy of Manipulating Object in Virtual Reality Environment by using GLoveMAP., 2014, School of Mechatronic Engineering
 27. FYP examiner for Thiruselvan A/L Muniandy, BEng in Mechatronic Engineering with research title: Realtime Object Recognition using High Speed Kinect Sensor., 2014, School of Mechatronic Engineering
 28. FYP examiner for Tan Jiun Nan, BEng in Mechatronic Engineering with research title: From Matlab to PDF: Publishing in 3D., 2014, School of Mechatronic Engineering
 29. FYP examiner for Mohd Firdaus Bin Haja Hussain, BEng in Mechatronic Engineering with research title: Location Identification using High Speed Kinect Sensor., 2014, School of Mechatronic Engineering
 30. FYP examiner for Mohd Fakhrollah Bin Mohmmad Yusof, BEng in Mechatronic Engineering with research title: Human Tracking from Videos., 2014, School of Mechatronic Engineering
 31. FYP examiner for Muhammad Nazrin Shah Bin Shahrol Aman, BEng in Mechatronic Engineering with research title: Design and Development Parallel Robot for Rehabilitation., 2013, School of Mechatronic Engineering
 32. FYP examiner for Nik Habibunnajjar Bin Azmi, BEng in Mechatronic Engineering with research title: Development of Automatic Take Off and Landing System for Quadrotor (UAV)., 2013, School of Mechatronic Engineering
 33. FYP examiner for Nor Hafizatul Shima Bt Abd Hamid, BEng in Mechatronic Engineering with research title: Speech Recognition based On Lip Movements., 2013, School of Mechatronic Engineering
 34. FYP examiner for Ng Yeik Hong, BEng in Mechatronic Engineering with research title: Study of the Plasma Power Source., 2013, School of Mechatronic Engineering
 35. FYP examiner for Qurratu Auni Najwa Mustafa, BEng in Mechatronic Engineering with research title: The Development of Low Cost Knee Rehabilitation., 2013, School of Mechatronic Engineering
 36. FYP examiner for Zufadhli Bin Ahmad, BEng in Mechatronic Engineering with research title: Simultaneous Lighthing Surveillance and Monitoring using Algorithmic Lux Meter., 2013, School of Mechatronic Engineering
 37. FYP examiner for Mohd Zaki Bin Mohamed Kamarudin, BEng in Mechatronic Engineering with research title: Design and Fabrication of Automatic Efficient Ablution System., 2013, School of Mechatronic Engineering
 38. FYP examiner for ZulAzlan Bin Rasdi, BEng in Mechatronic Engineering with research title: Implementation of Various Controller Methods in Order to Maneuver the Roughness Mobile Robot., 2013, School of Mechatronic Engineering
 39. FYP examiner for Noor Ispalina Bt Ismail, BEng in Mechatronic Engineering with research title: High Speed Vision-Based Human Motion Detection For Sentry Robot Application., 2013, School of Mechatronic Engineering

Consultation

1. Ketua Perundingan kerjasama Memorandum of Understanding (MOU) antarabangsa diantara UNIMAP-Universitas Muhammadiyah Yogyakarta (UMY), 2022-2027.
2. Perlantikan sebagai "Field Testing Expert" bagi projek 2 stix3923 pelajar akhir ijazah sarjana muda sains dengan kepujian (Teknologi Maklumat) Pusat Pengajian Pengkomputeran, UUM, 2022.
3. Ahli Perundingan kerjasama Memorandum of Understanding (MOU) industry diantara UNIMAP-Ageni Nuklear Malaysia (ANM), 2017-2022.

4. Ketua Perundingan kerjasama penyelidikan antarabangsa dengan Universiti Muhammadiyah, Yogyakarta (UMY), Indonesia, 2019./2020
5. Ahli Perundingan kerjasama penyelidikan dengan Tentera Laut-Darat Malaysia (TLDM), Lumut, Perak (Februari 2020)
6. Ahli Perundingan kerjasama penyelidikan dengan Agensi Nuklear Malaysia (2015-2020)

University/Community Services

1. Program Director, TVET FTKE UniMAP Open Day, 2022.
2. Committee member of Majlis Iftar FTKE, UniMAP, 2022.
3. Committee member of External Examiner Visit FTKE, UNIMAP, 2022.
4. Committee member of Kolej Vokasional Seberang Perai, Penang Benchmarking, FTKE, UNIMAP, 2022.
5. Committee member of Minggu Suai Kenal bagi kemasukan Pelajar-Pelajar Diploma, 2022.
6. Committee member, Bureau of Welfare, Piskanita, UniMAP, 2022-2024.
7. Committee member of ICITAMEE for International Conference, 2022.
8. Committee member, Bureau of Publication, ICE3IS for International Conference, 2022.
9. Committee member, Bureau of Protocol, IDP Day (IVE), FTKE, UniMAP, 2022.
10. Committee member of (ICoMMS) for International Conference, 2021.
11. Co-Chair Session (ICoMMS) for the International Seminar with ICoMMS-ICADME-ICoBE in 2017.
12. Developer member of ZOHO application for the purpose of FYP online scoring system, 2016/2017.
13. Secretary of FYP and IDP Syllabus Improvisation at School of Mechatronic Engineering, 2016.
14. Pembantu Marshal, Konvokesyen 2015/2016.
15. Secretariat (ICoMMS) for the International Seminar with ICoMMS-ICADME-ICoBE in 2015.
16. Unit Promosi, Robot Lego, Mechatronic Engineering Program, 2015.
17. Unit File Committee for the purpose of curriculum review and EAC.
18. Secretary of Combination of Business Idea & Developing International Entrepreneurial Network, UIESF'13, 2013.
19. Coordinator for the Perdana Baktisiswa Program, Felda Chuping, Perlis, 2013/2014.
20. Timetable Committee for Bachelor of Mechatronic Engineering Program, 2013/2014.
21. Secretariat (ICoMMS) for the International Seminar with ICoMMS-ICADME-ICoBE in 2012.
22. Committee member of "Ihsan Ramadhan" Program focused on B40, Pauh, perlis.
23. Committee member of Taman Sri Pauh and Taman Penaga, Changloon

Biography Statement

Ts. Dr. Siti Nurul Aqmariah bt Mohd Kanafiah was born in Pasir Mas, Kelantan, Malaysia on 17th May 1984. She received her early education at Sekolah Kebangsaan Chenderong Batu (SKCB), Tumpat, Kelantan and her secondary education at Sekolah Menengah Kebangsaan Wakaf Baharu (SMKWB), Tumpat, Kelantan and Sekolah Menengah Teknik Terengganu (SMTT), Kuala Terengganu, Terengganu. She graduated in Diploma in Electrical Engineering and Education and Bachelor of Electrical Engineering (Robotic and Automation System) from Universiti Tun Hussein Onn Malaysia (UTHM), Batu Pahat, Johor in the year of 2005 and 2008, respectively. After that, she worked as Junior Engineer at Continental Automotive Prai, Penang in 2008. After 3 months works in industry, she worked as a Tutor in Universiti Malaysia Pahang (UMP) for a year. After that, she has been awarded SLAB fellowship scheme from Universiti Malaysia Perlis (UniMAP) to pursue her Master degree in USM. She obtained her Master of Science (Electrical and Electronic Engineering) from Universiti Sains Malaysia (USM), Nibong Tebal, Penang in 2012, and PhD in Mechatronic Engineering from Universiti Malaysia Perlis (UniMAP), Perlis in 2021. She has been actively involved in image processing research, signal processing, artificial intelligence and deep learning. She is a lecturer in UniMAP for 10 years, where she is currently a Senior Lecturer in Faculty of Electrical Engineering Technology.

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