

ACADEMIA INFO

Scopus ID :
57210157889

WoS ID :
3340560muhamad-hariz-bin-muhamad-adnan

Google Scholar :
Muhamad Hariz Muhamad Adnan

AREAS OF EXPERTISE

SUPERVISION

PhD
Completed : 1
Ongoing : 6

Master
Ongoing : 9

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Dr. Muhamad Hariz Bin Muhamad Adnan

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Faculty Of Computing And Meta-Technology
Universiti Pendidikan Sultan Idris (UPSI)

BIOGRAPHY

A lecturer from the Faculty Of Computing And Meta-Technology , Universiti Pendidikan Sultan Idris, Tanjung Malim, Perak, Malaysia. Specializes in Artificial Intelligence (AI) in Digital Transformation and Education.

ACADEMIC QUALIFICATION

2019	**Doctor of Philosophy (PhD) in Information Technology (Information Technology)**	Universiti Teknologi Petronas
2013	**Master of Science (Computer Science)**	Universiti Sains Malaysia
2008	**Ijazah Sarjana Muda (Computer Science)**	Universiti Sains Malaysia

RESEARCH

1. Digital Transformation Through Education By Integrating Cloud Data Fundamentals In Curricula
   2024 | Leader | Math Proofread Sdn. Bhd.
2. Formulation Of A New Continuous Combinatorial Double Auction Algorithm For Customized Items Negotiations And Renegotiations
   2023 | Leader
3. Development Of A Social Media Analytics System To Increase Prospective Students` Interests In STEM And TVET Education
   2022 | Leader | Universiti Pendidikan Sultan Idris
4. Formulating Learning Model Using Explainable AI (XAI) Agents To Empower Ageing Society In Entrepreneurship And Workforce Re-entry
   2028 | Leader
5. Penggunaan AI Untuk Inovasi Analisis Keperluan Latihan Dan Penyampaian Kandungan Pembelajaran Peribadi
   2026 | Leader

RESEARCH

6 EXPLAINABLE AI FOR AUTISM SPECTRUM DISORDER DETECTION USING DEEP LEARNING-BASED FACIAL IMAGE ANALYSIS

2027 Leader

7 From Teaching To Training: Developing A Framework To Upskill Lecturers Into Corporate Trainers

2026 Leader

8 MEREKA BENTUK DAN PEMBANGUNAN KURSUS DALAM TALIAN TERBUKA BAGI KECERDASAN BUATAN (AI) DALAM LATIHAN PENDIDIKAN

2026 Leader

9 A Framework Of Teachers` Digital Dan Artificial Intelligence Competencies Upskilling For The Industry 4.0 And Industry 5.0.

2024 Leader Universiti Pendidikan Sultan Idris

10 PROGRAM LATIHAN KEUSAHAWANAN YAYASAN PERAK GRADPRENEUR (YPG): CABARAN, KEBERKESANAN DAN PENAMBAHBAIKAN

2025 Member Upsi Holding Sdn Bhd

11 Pembinaan Model Komuniti Maya Berpagar Melalui Pendekatan Kawalan Sosial Dalam Kebergantungan Media

2024 Member

12 Pembangunan Aplikasi Mudah Alih Asas Kod Tangan Siri 1 Bagi Murid Kurang Upaya Pendengaran Di Sekolah Rendah

2025 Member Universiti Pendidikan Sultan Idris

13 Stress Detection And Mitigation Through Discovery Of Optimal Lecture Delivery Method For STEM-enrolled University Students

2024 Member Universiti Pendidikan Sultan Idris

14 Pembinaan Garis Panduan Falsafah Sejahtera Melalui Kesukarelawanan Untuk Meningkatkan Perpaduan Dalam Pendidikan Negara

2023 Member Universiti Pendidikan Sultan Idris

15 The Characterization Of Design ForMmobile Aaugmented Reality (AR) Reading Kit For Preschool Reading Literacy

2022 Member Universiti Pendidikan Sultan Idris

16 Multivariate Approaches To High-Dimensional Fitness Data In Schoolchildren For Web-Based Athlete Selection Application

2027 Member

17 Sistem Tuisyen-AI Bagi Pelajar Sekolah Rendah Dan Menengah Untuk Menyokong Unit Perniagaan Strategik (SBU) Meta

2026 Member

18 Pembangunan Modul Keusahawanan Inkubator Edupreneur@UPSI

2023 Member

19 Pembangunan Modul E-Aktiviti Pintar Bagi Pentaksiran Bilik Darjah Dalam Mata Pelajaran Geografi.

2024 Member Universiti Pendidikan Sultan Idris

23 Kajian Pola Penggunaan Media Sosial (facebook) Dikalangan Penggiat Industri Filem Dan Television Melayu Di Malaysia Sepanjang Perintah Kawalan Pergerakan (PKP) Dimusim Wabak Covid 19.

2023 Member Universiti Pendidikan Sultan Idris

24 Modul Pembelajaran Kendiri (MPK) Melalui Aplikasi Mudah Alih Untuk Matapelajaran Pembiakan Poltri Bagi Program Agroindustri Ternakan Poltri Di Kolej Vokasional.

2023 Member Universiti Pendidikan Sultan Idris

25 Keusahawanan Dan Literasi Digital Pemangkin Kebolehpasaran Graduan UPSI

2021 Member Universiti Pendidikan Sultan Idris

26 Formulating A Learner's Growth Model To Reduce Programming Anxiety Among Primary School Students

2025 Member

PUBLICATIONS

27 **Optimization In University Student Timetables: A Comprehensive Literature Review**
Journal of Advanced Research in Applied Sciences and Engineering Technology

2024 SCOPUS Correspondence Author

28 **Chatbots Adoption for Gamification of Programming Language Learning: A Comprehensive Literature Review**
Journal of Advanced Research in Applied Sciences and Engineering Technology

2024 SCOPUS Correspondence Author

29 **Designing Enhanced Automatic Genetic Clustering Algorithm for Unknown Number of Clusters: An Experimental Evaluation**
Journal of Advanced Research in Applied Sciences and Engineering Technology

2023 SCOPUS Correspondence Author

30 **Expert Systems And Double Auction: Enhancing Worm Disease Detection In Children**
Journal of Advanced Research in Applied Sciences and Engineering Technology

2023 SCOPUS Correspondence Author

31 **Multi Criteria Decision Making in SMEs Venture Capital Allocation: Analytic Hierarchy Process and Double Auction Approach**
Journal of Advanced Research in Applied Sciences and Engineering Technology

2025 SCOPUS Correspondence Author

32 **AI Meets Entrepreneurship: A Framework of Web Platform for Enhancing Skills, Streamlining Finance and Identifying Multiple Intelligence**
IEEE Xplore Digital
2023 SCOPUS First Author

33 **sing Analytical Hierarchy Process for Double Auction to Optimize Financial Performance of Private Higher Education Institutions**
Journal of Advanced Research in Applied Sciences and Engineering Technology
2023 SCOPUS Correspondence Author

34 **A user-priorities-based strategy for three-phase intelligent recommendation and negotiating agents for cloud services**
IEEE Access
2023 SCOPUS Correspondence Author

35 **Development of Online Courseware for Low-Achieving Special Education Students Learning Communication**
Journal of Engineering, Technology and Applied Science
2022 Google Scholar Correspondence Author

36 **Development of Attendance Monitoring System with Artificial Intelligence Optimization in Cloud**
International Journal of Artificial Intelligence (IJAI)
2021 Google Scholar Correspondence Author

37 **Kerangka Teknologi Bantu untuk Diagnosis Hubungan Kecerdasan Visual Spasial bagi Pelajar dengan Masalah Pembelajaran**
Journal of ICT in Education
2021 Non Index Correspondence Author

38 **A Survey of Malware Risk Detection Techniques in Cloud**
Psychology and Education
2020 SCOPUS Correspondence Author

39 **An Overview of Current Multi-Attribute Techniques in Double Auction Frameworks**
Psychology and Education
2020 SCOPUS Correspondence Author

40 **A Framework of Heterogeneous Cloud Service and Multi Attributes Negotiation using Double Auction**
International Journal of Advanced Trends in Computer Science and Engineering
2020 SCOPUS Correspondence Author

41 **Artificial Intelligence-Enhanced Educational Materials for Computer System Operations in TVET**
International Journal of Academic Research in Progressive Education and Development
2026 Excellent Research Australia (ERA) Co-Author

42 **A LIGHTWEIGHT AI-BASED FRAMEWORK FOR MSME NETWORK PERFORMANCE OPTIMIZATION**
JMBI (Journal of Marketing and Business Intelligence)
2026 Google Scholar Co-Author

43 **Professional Development and Competence Formation among Specialists Working with Children with Autism Spectrum Disorder**
International Journal of Special Education
2026 SCOPUS Co-Author

44 **ADAPTIVE ANOMALY CORRECTION AND DYNAMIC SAMPLE BALANCING FOR DEEP INTELLIGENT CREDIT RISK ASSESSMENT FRAMEWORK**
NED University Journal of Research
2026 SCOPUS Co-Author

45 **Wireless Local Area Network and Analytical Hierarchy Process: Technology Acceptance Model for Increasing Use of Online Learning**
Journal of Advanced Research in Applied Sciences and Engineering Technology
2025 Malaysian Citation Index Co-Author

46 **Sorotan Naratif ChatGPT dalam Pendidikan: Peluang, Cabaran dan Kebimbangan Etika**
EDUCATUM Journal of Social Sciences
2025 Malaysian Citation Index Co-Author

47 **A Systematic Literature Review on Deep Learning Approaches for Cloud Service Recommender Systems**
Journal of ICT in Education
2025 Malaysian Citation Index Co-Author

48 **INTEGRATING GENERATIVE ADVERSARIAL NETWORKS AND STACKED AUTOENCODER NEURAL NETWORKS FOR ENHANCED CREDIT RISK ASSESSMENT IN FINTECH**
International Journal of Entrepreneurship and Management Practice (IJEMP)
2025 Malaysian Citation Index Co-Author

49 **Social Media and Virtual Communities: Investigating Digital Engagement, Social Problem Management, and Economic Mobility**
Paper Asia
2025 SCOPUS Co-Author

50 **Development of Geography Alternative Assessment Module for Malaysia Secondary School**
Geografia – Malaysian Journal of Society and Space
2024 Web of Science Co-Author

51 **Application of Social Control Concept In Virtual Community**
Perspektif: Jurnal Sains Sosial dan Kemanusiaan
2024 Malaysian Citation Index Co-Author

52 **IoT-Enabled GPS Tracking System for Monitoring the Safety Concerns of School Students**
JOURNAL OF ADVANCED RESEARCH IN COMPUTING AND APPLICATIONS
2024 Malaysian Citation Index Co-Author

53 **Stress Detection and Mitigation through Discovery of Optimal Lecture Delivery Method for STEM-enrolled University Students**
Journal of Advanced Research in Applied Sciences and Engineering Technology
2024 SCOPUS Co-Author

54 **Wireless Local Area Network and Analytical Hierarchy Process: Technology Acceptance Model for Increasing Use of Online Learning.**
Journal of Advanced Research in Applied Sciences and Engineering Technology
2023 SCOPUS Co-Author

55 **Automotive Consumer Loans Risk Assessment Predictive Modeling Using Generative Adversarial Network and Stacked Autoencoder Neural Networks**
Journal of Advanced Research in Applied Sciences and Engineering Technology
2025 SCOPUS Co-Author

56 **Model of an Intelligent and Automated Negotiation Agent for the Service Level Agreement Negotiation Process in Cloud Computing**
Journal of Advanced Research in Applied Sciences and Engineering Technology
2023 SCOPUS Co-Author

57 **Stress Detection and Mitigation through Discovery of Optimal Lecture Delivery Method for STEM-enrolled University Students**
Journal of Advanced Research in Applied Sciences and Engineering Technology
2023 SCOPUS Co-Author

58 **Systematic literature review on digital courseware usage in Geography subjects for secondary school students**
Journal of ICT in Education
2023 Malaysian Citation Index Co-Author

59 **A user-priorities-based strategy for three-phase intelligent recommendation and negotiating agents for cloud services**
IEEE Access
2023 SCOPUS Co-Author

60 **The Acceptance of a Mobile Travel Application to Improve Community-Based Tourism in Malaysia: A Focus on End Users' Behavioral Intention**
Peuradeun
2023 Web of Science Co-Author

61 **Design and Development of Face Mask Reminder Box Technology using Arduino Uno**
International Journal of Advanced Computer Science and Applications
2022 SCOPUS Co-Author

62 **Multi-Criteria Prediction Framework for the Prioritization of Council Candidates based on Integrated AHP-Consensus and TOPSIS Methods**
International Journal of Advanced Computer Science and Applications
2022 SCOPUS Co-Author

63 **Utilizing Animal Characters of a Mobile Augmented Reality (AR) Reading Kit to Improve Preschoolers' Reading Skills, Motivation, and Self-Learning: An Initial Study**
International Journal of Interactive Mobile Technologies
2021 SCOPUS Co-Author

64 **Mobile Augmented Reality Hand Wash (MARHw): Mobile Application to Guide Community to Ameliorate Hand washing Effectiveness to Oppose Covid-19 Disease**

International Journal of Integrated Engineering

2020 SCOPUS Co-Author

SUPERVISION

1. Multi Criteria Decision Making And Double Auction Framework For Optimization Of E-learning System In Oman
   2026 | PHD | International | Supervisor | Presentation
2. Multi Criteria Decision Making Based Multifactorial Evaluation Process Framework For Teacher Recommendation In Oman
   2026 | PHD | International | Supervisor | Presentation
3. An Optimized Federated Learning Framework For Internet Of Vehicles Based On Noise Data And Incremental Data Processing
   2024 | PHD | International | Co-Supervisor | Completed
4. A Discriminative Utility And Boundary Selection Framework For Evaluating WGAN And Stacked Autoencoder In Automotive Consumer Loan Default Risk Prediction
   2026 | PHD | International | Co-Supervisor | Waiting for Viva
5. THE EFFECT OF CHATBOT GAMIFICATION USAGE ON STUDENTS' LEARNING MOTIVATION IN PYTHON PROGRAMMING
   2026 | PHD | National | Supervisor | Presentation
6. Pembangunan Kerangka Strategik Pembudayaan Pendigitalan Pengurusan Sekolah Di Sarawak : Satu Kajian Empirikal Di Sekolah Rendah Luar Bandar Dan Pedalaman
   2026 | PHD | National | Supervisor | Presentation
7. Kesan Avatar Berbeza Reka Bentuk Terhadap Self-Presence, Efikasi Kendiri Dan Emosi Pelajar
   2026 | PHD | National | Co-Supervisor | Presentation
8. Explainable AI For Autism Spectrum Disorder Detection Using Deep Learning-Based Facial Image Analysis
   2026 | Master | International | Supervisor | Waiting for Viva
9. Artificial Intelligence Data-Driven Training Needs Analysis With Personalized Learning For Maintenance And Engineering Personnel In Airline Industry
   2026 | Master | International | Supervisor | Presentation
10. THE DESIGN AND OPTIMIZATION OF NETWORK INFRASTRUCTURE FOR MICRO, SMALL AND MEDIUM ENTERPRISES USING RANDOM FOREST BASED MACHINE LEARNING CLASSIFIER
    2026 | Master | International | Supervisor | Presentation
11. Assessing The Impact Of E-Learning Processes On Individuals Using Comprehensive Assessment Frameworks
    2026 | Master | International | Supervisor | Presentation
12. Recommender System Using Hybrid Clustering And Double Auction For Heterogeneous And Multi-Attribute Cloud Services
    2026 | Master | International | Co-Supervisor | Waiting for Viva

13 University Course Timetabling Using Hyperheuristic Tabu Search With Population-based Algorithms

2026 Master National Supervisor Waiting for Viva

14 Pembangunan Kecerdasan Buatan Dalam Organisasi Dan Hubungkaitnya Dengan Masyarakat

2026 Master National Supervisor Presentation

15 Pembangunan Model Konseptual Integrasi Teknologi Pendidikan Revolusi Perindustrian Keempat (IR4.0) Dalam Pengajaran Guru Dengan Sokongan Pengurusan Sekolah

2026 Master National Supervisor In Progress

16 Cadangan Integrasi Elemen Kecerdasan Buatan Dalam Aplikasi Kehadiran GeoAttendance Bagi Meningkatkan Kualiti Kehadiran Kakitangan Di Universiti Pendidikan Sultan Idris

2026 Master National Co-Supervisor Presentation

CONSULTATION

1. Oman Children`s Nutrition Education Mobile Apps Development
   2025 | Luban Island | Completed
2. PERUNDING PROGRAM LATIHAN MADANI (MSME 2025) – Certified Generative AI Associate
   2025 | AL-AIN IT Consultants Sdn Bhd | Completed
3. AI Untuk Kita: Program Pemindahan Ilmu AI Kepada Komuniti Usahawan, Belia dan Pesara- KTP UPSI
   2025 | Universiti Pendidikan Sultan Idris | Completed
4. Perunding Program WordPress Web Development for Beginners 2024 Siri 1
   2024 | Rynet Malaysia Sdn Bhd | Completed
5. Program WordPress Web Development for Beginners
   2023 | Rynet Malaysia Sdn Bhd | Completed
6. PENYEDIA MODUL KEPAKARAN DAN PERUNDING BAGI KURSUS PPK DATA SCIENCE
   2023 | ASD GLOBAL SOLUTION | Completed
7. Perundingan Program Practical HTML & CSS
   2023 | Rynet Malaysia Sdn. Bhd | In Progress
8. Perundingan Program WordPress Web Developmetn for Beginners
   2023 | Rynet Malaysia Sdn. Bhd | In Progress
9. Kursus Teknik Copywriting
   2022 | Institut Latihan Wijaya | In Progress
10. Kursus Pemasaran Digital
    2022 | Akademi Percukaian Malaysi, Lembaga Hasil dalam Negeri | In Progress
11. Program Klinik Kerjaya: Kursus Pengendalian Aplikasi Google
    2022 | Pusat Aspirasi Anak Perak (PASAK) | In Progress
12. Program Klinik Kerjaya: Kursus OBS Studio Siri 2
    2022 | Pusat Aspirasi Anak Perak (PASAK) | In Progress
13. Advisory Workshop di Bawah Program Pembangunan CGC: Build Free Website, Free and Fast (Bina Laman Web Sendiri, ianya Mudah & Percuma)
    2022 | Credit Guarantee Corporation Malaysia Berhad | In Progress
14. Advisory Workshop Program Pembangunan CGC
    2021 | Credit Guarantee Corporation Malaysia Berhad | In Progress
15. Klinik Kerjaya : Kursus OBS Studio
    2021 | Pusat Aspirasi Anak Perak (PASAK) | In Progress
16. Perundingan dan Jurulatih Program e-Usahawan 2021
    2021 | Malaysia Digital Economy Corporation (MDEC) | In Progress

17 Klinik Kerjaya : Kursus Pemasaran Digital Siri 3
2021 Pusat Aspirasi Anak Perak (PASAK) In Progress

18 Norma Baharu-E Usahawan Ceburi Bidang Perniagaan Digital
2021 Persatuan Mahasiswa Pengurusan Kekayaan Islam (IWMSA), Unisza In Progress

19 Advisory Workshop under CGC Developmental Programme : SEO & Build Free Website
2021 Credit Guarantee Corporation Malaysia Berhad In Progress

20 Klinik Kerjaya : Kursus Pemasaran Digital Siri 5
2021 Pusat Aspirasi Anak Perak (PASAK) In Progress

21 Program CSR MyFemaleVoice : Usahawan Digital
2021 Citrine One Malaysia In Progress

22 Program Keusahawanan dan Kemahiran Digital bagi JPSM Sabah
2021 Institut Latihan Wijaya In Progress

23 Kursus Inbound dan Outbound Marketing (ePemasaran) Siri 1
2021 Jabatan Pembangunan Sumber Manusia (JPSM), Sabah In Progress

24 Bengkel E-Usahawanan 2020 (Fasa 3)
2021 Malaysia Digital Economy Corporation (MDEC) In Progress

25 Pembekelan Pembinaan Laman Web E-Comerce
2020 Kolej Vokasional Datuk Seri Abu Zahar Isnin In Progress

26 EUsahawanan 2020 (Fasa 1)
2020 Malaysia Digital Economy Corporation Sdn Bhd In Progress

27 Perundingan E-Usahawanan
2020 Malaysia Digital Economy Corporation (MDEC) In Progress

28 Projek Perundingan Makmal Usahawan Seni Budaya (MaUS) Negeri Pahang tahun 2020
2020 Jabatan Kebudayaan dan Kesenian Negara (JKKN), Negeri Pahang In Progress

29 Perundingan bagi Kerjaya Dietitian Cakna Kesihatan Masyarakat Melalui Applikasi WeDIET
2020 Pusat Pengajian Pemakanan dan Dietetik, Universiti Sultan Zainal Abidin In Progress

30 Projek Perundingan Program E-Usahawanan (Usahawanan Digital) PMIUSMKKJ
2020 Persatuan Mahasiswa Islam USM Kampus Kejuruteraan In Progress

31 Projek Perundingan : Menaiktaraf Sistem Aplikasi dan Pangkalan Data Repository Of Nutrition Research in Malaysia (MyRNR)
2026 Bahagian Pemakanan, Kementerian Kesihatan Malaysia melalui UHSB Completed

32 Perunding Kursus AI Productivity Tools: Working Smarter with LLMs, Prompt Engineering & Digital Tools
2026 Jabatan Pendidikan Negeri (JPN) Selangor Completed

33 PROJEK PERUNDINGAN PROGRAM TAMBAH NILAI SISA TANAMAN NANAS UNTUK PENINGKATAN EKONOMI KOMUNITI MELALUI PERTANIAN LESTARI

2026 Kementerian Kewangan Malaysia Completed

34 PERUNDING BENGKEL KERJA APLIKASI KECERDASAN BUATAN (AI) BAGI PEGAWAI JABATAN PENDIDIKAN NEGERI DAN PEJABAT PENDIDIKAN DAERAH PERINGKAT NEGERI PERAK TAHUN 2025

2025 Jabatan Pendidikan Negeri Perak (JPN) Completed

35 PROJEK PERUNDINGAN PEMBANGUNAN MODUL TRANSFORMASI AMALAN PENGAJARAN, PEMBELAJARAN, PENTAKSIRAN DAN PENTABIRAN SEKOLAH GURU-GURU SEKOLAH DI NEGERI PERAK MELALUI PENGGUNAAN TEKNOLOGI GENERATIVE ARTIFICIAL INTELLIGENCE (AI)

2025 UNIT PERHUBUNGAN DAN LATIHAN, BAHAGIAN PENDIDIKAN, JABATAN AGAMA ISLAM PERAK (JAIPk) Completed

36 PERUNDING KURSUS CPCM INOVASI DALAM PDP (APLIKASI BERASASKAN KECERDASAN BUATAN) ASAS

2025 AENA EHSAN RESOURCES Completed

37 Penyedia Modul Kepakaran Dan Perunding Bagi Kursus PPK Basic Cloud Practitioner Siri 1/2024 Bagi Pensyarah Politeknik Mersing

2024 ASD GLOBAL SOLUTION (SA0549772-X) Completed

38 Latihan Kejurulatihan (Training of Trainer) Keusahawanan Digital UPSI-MBPJ

2024 Majlis Bandaraya Petaling Jaya Completed

39 Kerjasama Pelaksanaan Aktiviti Kesejahteraan Kanak-Kanak (NCDRC)

2024 Kementerian Kesihatan Malaysia (KKM) Completed

40 KURSUS CHATGPT DAN AI

2024 PERBADANAN PERPUSTAKAAN AWAM PAHANG Completed

41 LANTIKAN SEBAGAI PENYEDIA MODUL KEPAKARAN DAN PERUNDING BAGI KURSUS PPK IOT FOR BEGINNER (SIRI 4/2024)

2024 ASD Global Solution Completed

42 LANTIKAN SEBAGAI PENYEDIA MODUL KEPAKARAN DAN PERUNDING BAGI KURSUS PPK IOT FOR BEGINNER (SIRI 1/2024)

2024 ASD Global Solution Completed

43 Penyedia Modul Kepakaran dan Perundingan Bagi Kursus PPK Basic Cloud Practitioner Siri 2/2023 bagi Pensyarah Politeknik Balik Pulau

2023 ASD Global Solution Completed

44 Mastering Microsoft Azure Data in Cloud: Student Professional Certification Program

2023 Math Proofreader United Sdn Bhd Completed

45 Pembinaan Modul dan Pelaksanaan Kursus PPK IoT Middleware Siri 3/2023 Bagi Pensyarah Politeknik Mukah Sarawak

2023 ASD Global Solution Completed

46 Penyedia Modul Kepakaran dan Perundingan Bagi Kursus PPK Basic Cloud Practitioner Siri 1/2023 bagi Pensyarah Politeknik Mersing Johor

2023 | ASD Global Solution | Completed

47 Projek Fun Smart Explorer Berasaskan Inkuiri dan Penyelesaian Masalah Untuk Memupuk Kreativiti dan Menerapkan Keseronokan dalam Pembelajaran di Sekolah Tahfiz Integrasi. (KTP UPSI 2022)

2022 | Maahad Tahfiz Sains Fatimah Az-Zahrah (MTSFAZ) | Completed

48 Perundingan Hub Pembelajaran Keusahawanan Digital UPSI- Kampung Selamat

2022 | Majlis Bandaraya Petaling Jaya | Completed

49 Kursus Pyhton Certification and Application in Data Analytic di Pusat Pembangunan Kemahiran Pahang

2022 | Pahang Skill Development Centre, Kampus Pahang Skills | Completed

50 CONSULTATION PROJECT FOR CHILDREN SPEAK UP FOR SUSTAINABILITY – PRESCHOOL VOICES ON SDG4.7

2026 | Suruhanjaya Kebangsaan UNESCO Malaysia | In Progress

51 Kursus PPKK IoT Middleware Siri 3/2023 bagi Pensyarah Politeknik Mukah, Sarawak

2023 | ASD Global Solution | In Progress

52 Article Journal Reviewer

2023 | Southeast Asia Early Childhood Journal | Completed

53 Journal Reviewer

2021 | Journal of ICT in Education | Completed

54 Reviewer Manuscript for ICSECS 2021

2021 | Universiti Malaysia Pahang | Completed

55 Journal Reviewer

2021 | Journal of ICT in Education | Completed

56 Review of paper that will be published in SCOPUS indexed journal after acceptance

2020 | Global Research Conference (GRaCe 2020). UITM Terengganu | Completed

57 Review of a journal article

2020 | Artificial Intelligence Review (AIRE) | Completed

58 Review of paper that will be published in SCOPUS indexed journal after acceptance

2020 | Global Research Conference (GRaCe 2020). UITM Terengganu | Completed

59 Ahli Jawatankuasa Penubuhan Fakulti Baharu, Jabatan Komputeran

2022 | Universiti Pendidikan Sultan Idris | Completed

60 Panel Penilai Geran Penyelidikan Universiti Strategik

2022 | Universiti Pendidikan Sultan Idris | Completed

61 Panel Penilai Geran Penyelidikan Universiti Inovasi Pedagogi (GPUIP) 2021

2021 | Universiti Pendidikan Sultan Idris | Completed

62 Review of paper for Journal of ICT in Education

2020 | UPSI | Completed

63 BENGKEL PENSTRUKTURAN KURIKULUM BAGI PROGRAM BAHARU SARJANA MUDA SAINS KOMPUTER DAN KEJURUTERAAN KOMPUTER DENGAN KEPUJIAN

2020 | FSKIK | Completed

64 Geran Penyelidikan Finishing School Internal Examiner

2020 | Universiti Pendidikan Sultan Idris | Completed

65 Editorial Team of Journal of Applied Arts

2030 | Scientific Academia Network (Scientiaca) | In Progress

66 Technical Reviewer

2024 | Global Academic Excellence (M) Sdn Bhd (GAE) | In Progress

67 Editorial Board for International Journal of Creative Industries (IJCREI)

2021 | Global Academic Excellence (M) Sdn Bhd (GAE) | In Progress

68 Review manuscript for Journal of Cloud Computing -CLCO-D-21-00016

2021 | Journal of Cloud Computing | In Progress

69 Editorial Board for International Journal of Creative Industries (IJCREI)

2021 | Global Academic Excellence (M) Sdn Bhd (GAE) | In Progress

70 Journal Guest Editor for Pervasive Healthcare: A Compendium of Critical Factors for success

2020 | EAI Publishing | In Progress

71 Appointment As Adjunct Lecturer

2021 | UCSI | In Progress

72 Ahli Jawatankuasa Penawaran Program Baharu, Sarjana Muda Sains Komputer dan Teknologi Internet Benda dengan Kepujian

2024 | Universiti Pendidikan Sultan Idris | In Progress

73 Article Journal Reviewer

2024 | journal of ICT in Education UPSI | Completed

74 Paper Reviewer for International conference on Disruptive Technologies (ICDT2023)

2023 | GL Bajaj Institute of Technology and Management,India | Completed

75 PEREKA BENTUK KANDUNGAN BAGI MODUL KURSUS SIJIL KOMPETENSI REKABENTUK E-BOOK

2023 | PUSAT PENDIDIKAN BERTERUSAN UNIVERSITI MALAYA | Completed

76 PEREKA BENTUK KANDUNGAN BAGI MODUL KURSUS SIJIL KOMPETENSI CANVA

2023 | PUSAT PENDIDIKAN BERTERUSAN UNIVERSITI MALAYA | Completed

77 LANTIKAN SEBAGAI PEREKA BENTUK KANDUNGAN BAGI MODUL KURSUS SIJIL KOMPETENSI LAMAN WEB

2023 PUSAT PENDIDIKAN BERTERUSAN UNIVERSITI MALAYA Completed

78 Reviewer for Journal of Research, Policy & Practice of Teachers and Teacher Education

2023 Pejabat Karang Mengarang Completed

79 Panel Penilai Geran Penyelidikan Kecerdasan Buatan (AI) Dalam Pendidikan (Educate@UPSI)

2024 Fakulti Komputeran Dan Meta-Teknologi Completed

80 Panel Penilai Geran Penyelidikan Strategik (Translational - MyQ@UPSI)

2024 Fakulti Komputeran Dan Meta-Teknologi Completed

81 Panel Penilai Permohonan Geran Penyelidikan Komprehensif Universiti (GPKU-FKMT)

2024 Pusat Pengurusan Penyelidikan dan Inovasi Completed

82 PENILAI LAPORAN AKHIR GERAN PENYELIDIKAN

2023 PUSAT PENYELIDIKAN PERKEMBANGAN KANAK-KANAK NEGARA (NCDRC) Completed

83 Reviewers of "THE QUEST: JOURNAL OF MULTIDISCIPLINARY RESEARCH AND DEVELOPMENT

2025 Nueva Ecija University of Science and Technology In Progress

84 Associate Editor Journal of ICT in Education (JICTIE)

2025 Faculty of Computing and Meta-Technology In Progress

85 Editorial Team and Paper Reviewer for The Quest: Journal Of Multidisciplinary Research And Development

2025 The Quest: Journal Of Multidisciplinary Research And Development In Progress

86 Adjunct Professor

2025 Kolej Genius In Progress

AWARD / RECOGNITION

1. HAJJBLOX A VIRTUAL HAJJ PILGRIMAGE SIMULATION
   3 Modern Education & Technology Advance in Research and Innovation for Sustainable Excellence (METAR
   2025 International 3 Modern Education & Technology Advance in Research and Innovation for Sustainable Excellence (METAR Gold

2. DEVELOPMENT OF A VEHICLE MANAGEMENT PLATFORM USING FLUTTER FOR UPSI STUDENTS
   3 Modern Education & Technology Advance in Research and Innovation for Sustainable Excellence (METAR
   2025 International 3 Modern Education & Technology Advance in Research and Innovation for Sustainable Excellence (METAR Gold

3. Boosting Students' Motivation Through PyLearnBot – Gamified Python Learning
   2 International 3 Minutes Research and Innovation Competition 2025 (3MRIC 2025)
   2025 International 2 International 3 Minutes Research and Innovation Competition 2025 (3MRIC 2025) Gold

4. BraillePreneur MODULE
   International Innovation Competition (Ino-ICAME) 2024, The 3rd International Conference on Accountin
   2024 International International Innovation Competition (Ino-ICAME) 2024, The 3rd International Conference on Accountin Gold

5. Synergetic: Online MOOC Platform for Collaborative Learning
   International Education Innovation Expo (EDU@Innovate) 2023
   2023 International International Education Innovation Expo (EDU@Innovate) 2023 Gold

6. FLEXIO: FLEXIBLE, INCLUSIVE AND OPEN EDUCATIONAL RESOURCES VIRTUAL TECHNOPRENURSHIP INCUBATOR
   InIIC Series 2/2022
   2022 International InIIC Series 2/2022 Gold

7. MOTHER & CHILD RECORD (MYMACER)
   NATIONAL HACKATON FOR DIGITALISING GOVERNMENT SERVICES
   2020 International NATIONAL HACKATON FOR DIGITALISING GOVERNMENT SERVICES Gold

8. Squirrel Whimsical Adventure
   International Education Innovation Competition (Eduinnovate) 2025
   2025 International International Education Innovation Competition (Eduinnovate) 2025 Silver

9. Synergetic: Online MOOC Platform for Collaborative Learning
   MALAYSIA TECHNOLOGY EXPO (MTE)
   2024 International MALAYSIA TECHNOLOGY EXPO (MTE) Silver

10. PROBLEM SOLVING ORIENTED E-MODULE IN LEARNING AUDIO VIDEO TECHNIQUES VIA FACEBOOK (PSOMODULE)
    International, Invention &Technology Exhibition (ITEX) 2023
    2023 International International, Invention &Technology Exhibition (ITEX) 2023 Silver

11 Exploring Microorganisms Through Augmented Reality: An Innovative Educational Tool for Form 5 Students
International Education Innovation Competition (Edu@Innovate) 2025

2025 International International Education Innovation Competition (Edu@Innovate) 2025 Bronze

12 FLEXIO: FELXIBLE, INCLUSIVE AND OPEN EDUCATIONAL RESOURCES VIRTUAL TECHNOPRENEURSHIP INCUBATOR
PECIPTA 2022

2022 International PECIPTA 2022 Bronze

13 BEST CATEGORY AWARD "HIGHER INSTITUITION STUDENT"
3rd Modern Education & Technology Advance in Research and Innovation for Sustainable Excellence

2025 International 3rd Modern Education & Technology Advance in Research and Innovation for Sustainable Excellence

14 BEST THEME AWARD "T6 – INTERACTIVE MEDIA (ANIMATION, GAMES, VIDEO, COMICS)"
3rd Modern Education & Technology Advance in Research and Innovation for Sustainable Excellence

2025 International 3rd Modern Education & Technology Advance in Research and Innovation for Sustainable Excellence

15 ONLINE BEST PRODUCT AWARD
3rd Modern Education & Technology Advance in Research and Innovation for Sustainable Excellence

2025 International 3rd Modern Education & Technology Advance in Research and Innovation for Sustainable Excellence

16 Editor's Choice Article (Vol. 40, No. 1)
Journal of Advanced Research in Applied Sciences and Engineering Technology

2024 International Journal of Advanced Research in Applied Sciences and Engineering Technology

17 BEST PRESENTATION AWARD (TECHNOLOGY)
Retreat 2022

2022 International Retreat 2022

18 WIRA ALAM DAN ROBOT PINTAR
UPSI DIGITAL EDUCATION CARNIVAL (UDEC) 2026

2026 National UPSI DIGITAL EDUCATION CARNIVAL (UDEC) 2026 Gold

19 WIRA ALAM DAN ROBOT PINTAR
UPSI Digital Education Carnival (UDEC) 2026

2026 National UPSI Digital Education Carnival (UDEC) 2026 Gold

20 FIODEL: FLEXIBLE, INCLUSIVE AND OPEN LEARNING MODEL FOR ENTREPRENEURSHIP COURSE
TLIF 2022

2022 National TLIF 2022 Gold

21 Top Trainer
Malaysia Digital Economy Corporation Sdn Bhd (MDEC)

2020 National Malaysia Digital Economy Corporation Sdn Bhd (MDEC)

22 TREND-SETTER AWARD (1ST PLACE)
Universiti Pendidikan Sultan Idris

2026 University Universiti Pendidikan Sultan Idris

23 BEST MICRO-CREDENTIAL AWARD (1ST PLACE): KURSUS EKSPLORASI AI: GEMINI DAN NOTEBOOKLM
Universiti Pendidikan Sultan Idris

2026 University Universiti Pendidikan Sultan Idris

24 Anugerah Perkhidmatan Cemerlang
Universiti Pendidikan Sultan Idris

2023 University Universiti Pendidikan Sultan Idris

25 Anugerah Ahli Akademik Harapan
Universiti Pendidikan Sultan Idris

2023 University Universiti Pendidikan Sultan Idris

26 Anugerah Inovasi PdP (Inovasi Pembelajaran Imersif Maya)
Universiti Pendidikan Sultan Idris

2022 University Universiti Pendidikan Sultan Idris

27 Anugerah Corporate Social Responsibility
Universiti Pendidikan Sultan Idris

2021 University Universiti Pendidikan Sultan Idris