UNIVERSITI PENDIDIKAN SULTAN IDRIS
SULTAN IDRIS EDUCATION UNIVERSITY

Dr. Muhamad Hariz Bin Muhamad Adnan

✉ mhariz@meta.upsi.edu.my

☐ 054506000

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

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 : 7

Master
Ongoing : 9

Scan here to see
my EXPERT@UPSI

MyQRIS
UPSI QR INTEGRATED SYSTEM

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

`2026` `Leader`

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

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

`2024` `Member`

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

`2025` `Member` `Universiti Pendidikan Sultan Idris`

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

`2023` `Member` `Universiti Pendidikan Sultan Idris`

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

`2022` `Member` `Universiti Pendidikan Sultan Idris`

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

`2025` `Member` `Upsi Holding Sdn Bhd`

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

`2027` `Member`

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

`2026` `Member`

17 Pembangunan Modul Keusahawanan Inkubator Edupreneur@UPSI

`2023` `Member`

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

`2024` `Member` `Universiti Pendidikan Sultan Idris`

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

`2024` `Member` `Universiti Pendidikan Sultan Idris`

23 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`

24 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`

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 ADAPTIVE ANOMALY CORRECTION AND DYNAMIC SAMPLE BALANCING FOR DEEP INTELLIGENT CREDIT RISK ASSESSMENT FRAMEWORK
NED University Journal of Research

`2026` `SCOPUS` `Co-Author`

42 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`

43 Sorotan Naratif ChatGPT dalam Pendidikan: Peluang, Cabaran dan Kebimbangan Etika
EDUCATUM Journal of Social Sciences

`2025` `Malaysian Citation Index` `Co-Author`

44 A Systematic Literature Review on Deep Learning Approaches for Cloud Service Recommender Systems
Journal of ICT in Education

`2025` `Malaysian Citation Index` `Co-Author`

45 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`

46 Social Media and Virtual Communities: Investigating Digital Engagement, Social Problem Management, and Economic Mobility
Paper Asia

`2025` `SCOPUS` `Co-Author`

47 Development of Geography Alternative Assessment Module for Malaysia Secondary School
Geografia – Malaysian Journal of Society and Space

`2024` `Web of Science` `Co-Author`

48 Application of Social Control Concept In Virtual Community
Perspektif: Jurnal Sains Sosial dan Kemanusiaan

`2024` `Malaysian Citation Index` `Co-Author`

49 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`

50 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`

51 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`

52 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`

53 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`

54 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`

55 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`

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

57 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`

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

59 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`

60 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`

61 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 Automotive Consumer Loans Risk Assessment Predictive Modeling Using Generative Adversarial Network And Stacked Autoencoder Neural Network

`2026` `PHD` `International` `Co-Supervisor` `Presentation`

5 Chatbots Adoption For Gamification Of Progamming Language Learning

`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 THE EFFECT OF E-MODULES INTEGRATED WITH ARTIFICIAL INTELLIGENCE ON SECONDARY SCHOOL STUDENTS' PERFORMANCE, ENGAGEMENT AND MOTIVATION IN LEARNING SCIENCE

`2026` `PHD` `National` `Co-Supervisor` `Presentation`

9 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`

10 Artificial Intelligence Data-Driven Training Needs Analysis With Personalized Learning For Maintenance And Engineering Personnel In Airline Industry

`2026` `Master` `International` `Supervisor` `Presentation`

11 Explainable AI For Autism Spectrum Disorder Detection Using Deep Learning-based Facial Image Analysis

`2026` `Master` `International` `Supervisor` `Presentation`

12 Assessing The Impact Of E-Learning Processes On Individuals Using Comprehensive Assessment Frameworks

`2026` `Master` `International` `Supervisor` `Presentation`

13 Recommender System Using Hybrid Clustering And Double Auction For Heterogeneous And Multi-Attribute Cloud Services

`2026` `Master` `International` `Co-Supervisor` `Presentation`

14 Pembangunan Kecerdasan Buatan Dalam Organisasi Dan Hubungkaitnya Dengan Masyarakat

`2026` `Master` `National` `Supervisor` `Presentation`

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

`2026` `Master` `National` `Supervisor` `Presentation`

16 Kajian Video Pendidikan Di Tiktok Oleh Pendidik Di Universiti.

`2026` `Master` `National` `Supervisor` `In Progress`

17 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. PENYEDIA MODUL KEPAKARAN DAN PERUNDING BAGI KURSUS PPK DATA SCIENCE
   `2023` `ASD GLOBAL SOLUTION` `Completed`

6. Program WordPress Web Development for Beginners
   `2023` `Rynet Malaysia Sdn Bhd` `Completed`

7. Perundingan Program WordPress Web Developmetn for Beginners
   `2023` `Rynet Malaysia Sdn. Bhd` `In Progress`

8. Perundingan Program Practical HTML & CSS
   `2023` `Rynet Malaysia Sdn. Bhd` `In Progress`

9. 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`

10. Kursus Teknik Copywriting
    `2022` `Institut Latihan Wijaya` `In Progress`

11. Program Klinik Kerjaya: Kursus Pengendalian Aplikasi Google
    `2022` `Pusat Aspirasi Anak Perak (PASAK)` `In Progress`

12. Kursus Pemasaran Digital
    `2022` `Akademi Percukaian Malaysi, Lembaga Hasil dalam Negeri` `In Progress`

13. Program Klinik Kerjaya: Kursus OBS Studio Siri 2
    `2022` `Pusat Aspirasi Anak Perak (PASAK)` `In Progress`

14. Program CSR MyFemaleVoice : Usahawan Digital
    `2021` `Citrine One Malaysia` `In Progress`

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

16. Advisory Workshop Program Pembangunan CGC
    `2021` `Credit Guarantee Corporation Malaysia Berhad` `In Progress`

17 Bengkel E-Usahawanan 2020 (Fasa 3)

`2021` `Malaysia Digital Economy Corporation (MDEC)` `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 3

`2021` `Pusat Aspirasi Anak Perak (PASAK)` `In Progress`

21 Perundingan dan Jurulatih Program e-Usahawan 2021

`2021` `Malaysia Digital Economy Corporation (MDEC)` `In Progress`

22 Klinik Kerjaya : Kursus OBS Studio

`2021` `Pusat Aspirasi Anak Perak (PASAK)` `In Progress`

23 Program Keusahawanan dan Kemahiran Digital bagi JPSM Sabah

`2021` `Institut Latihan Wijaya` `In Progress`

24 Klinik Kerjaya : Kursus Pemasaran Digital Siri 5

`2021` `Pusat Aspirasi Anak Perak (PASAK)` `In Progress`

25 EUsahawanan 2020 (Fasa 1)

`2020` `Malaysia Digital Economy Corporation Sdn Bhd` `In Progress`

26 Projek Perundingan Program E-Usahawanan (Usahawanan Digital) PMIUSMKKJ

`2020` `Persatuan Mahasiswa Islam USM Kampus Kejuruteraan` `In Progress`

27 Perundingan bagi Kerjaya Dietitian Cakna Kesihatan Masyarakat Melalui Applikasi WeDIET

`2020` `Pusat Pengajian Pemakanan dan Dietetik, Universiti Sultan Zainal Abidin` `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 E-Usahawanan

`2020` `Malaysia Digital Economy Corporation (MDEC)` `In Progress`

30 Pembekelan Pembinaan Laman Web E-Comerce

`2020` `Kolej Vokasional Datuk Seri Abu Zahar Isnin` `In Progress`

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

`2026` `Kementerian Kewangan Malaysia` `Completed`

32 Projek Perundingan : Menaiktaraf Sistem Aplikasi dan Pangkalan Data Repository Of Nutrition Research in Malaysia (MyRNR)

`2026` `Bahagian Pemakanan, Kementerian Kesihatan Malaysia melalui UHSB` `Completed`

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

`2025` `AENA EHSAN RESOURCES` `Completed`

34 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`

35 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`

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

`2024` `Majlis Bandaraya Petaling Jaya` `Completed`

37 KURSUS CHATGPT DAN AI

`2024` `PERBADANAN PERPUSTAKAAN AWAM PAHANG` `Completed`

38 Kerjasama Pelaksanaan Aktiviti Kesejahteraan Kanak-Kanak (NCDRC)

`2024` `Kementerian Kesihatan Malaysia (KKM)` `Completed`

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

`2024` `ASD Global Solution` `Completed`

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

`2024` `ASD Global Solution` `Completed`

41 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`

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

`2023` `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 Kursus Pyhton Certification and Application in Data Analytic di Pusat Pembangunan Kemahiran Pahang

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

46 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`

47 Perundingan Hub Pembelajaran Keusahawanan Digital UPSI- Kampung Selamat

`2022` `Majlis Bandaraya Petaling Jaya` `Completed`

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

`2023` `ASD Global Solution` `In Progress`

49 Article Journal Reviewer

`2023` `Social Education Rsearch (SER)` `Completed`

50 Journal Reviewer

`2021` `Journal of ICT in Education` `Completed`

51 Reviewer Manuscript for ICSECS 2021

`2021` `Universiti Malaysia Pahang` `Completed`

52 Journal Reviewer

`2021` `Journal of ICT in Education` `Completed`

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

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

54 Review of a journal article

`2020` `Artificial Intelligence Review (AIRE)` `Completed`

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

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

56 Review of a journal article

`2020` `Artificial Intelligence Review (AIRE)` `Completed`

57 Ahli Jawatankuasa Penubuhan Fakulti Baharu, Jabatan Komputeran

`2022` `Universiti Pendidikan Sultan Idris` `Completed`

58 Panel Penilai Geran Penyelidikan Universiti Strategik

`2022` `Universiti Pendidikan Sultan Idris` `Completed`

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

`2021` `Universiti Pendidikan Sultan Idris` `Completed`

60 Review of paper for Journal of ICT in Education

`2020` `UPSI` `Completed`

61 Geran Penyelidikan Finishing School Internal Examiner

`2020` `Universiti Pendidikan Sultan Idris` `Completed`

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

`2020` `FSKIK` `Completed`

63 Editorial Team of Journal of Applied Arts

`2030` `Scientific Academia Network (Scientiaca)` `In Progress`

64 Technical Reviewer

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

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

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

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

`2021` `Journal of Cloud Computing` `In Progress`

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

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

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

`2020` `EAI Publishing` `In Progress`

69 Appointment As Adjunct Lecturer

`2021` `UCSI` `In Progress`

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

`2024` `Universiti Pendidikan Sultan Idris` `In Progress`

71 Article Journal Reviewer

`2024` `journal of ICT in Education UPSI` `Completed`

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

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

73 Article Journal Reviewer

`2023` `Journal of ICT in Education UPSI` `Completed`

74 PEREKA BENTUK KANDUNGAN BAGI MODUL KURSUS SIJIL KOMPETENSI CANVA

`2023` `PUSAT PENDIDIKAN BERTERUSAN UNIVERSITI MALAYA` `Completed`

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

`2023` `PUSAT PENDIDIKAN BERTERUSAN UNIVERSITI MALAYA` `Completed`

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

`2023` `Pejabat Karang Mengarang` `Completed`

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

`2023` `PUSAT PENDIDIKAN BERTERUSAN UNIVERSITI MALAYA` `Completed`

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

`2024` Fakulti Komputeran Dan Meta-Teknologi `Completed`

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

`2024` Pusat Pengurusan Penyelidikan dan Inovasi `Completed`

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

`2024` Fakulti Komputeran Dan Meta-Teknologi `Completed`

81 PENILAI LAPORAN AKHIR GERAN PENYELIDIKAN

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

82 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`

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 Adjunct Professor

`2025` Kolej Genius `In Progress`

AWARD / RECOGNITION

1 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`

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 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`

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 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`

14 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`

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

`2022` `National` `TLIF 2022` `Gold`

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

`2020` `National` `Malaysia Digital Economy Corporation Sdn Bhd (MDEC)`

20 Anugerah Perkhidmatan Cemerlang
Universiti Pendidikan Sultan Idris

`2023` `University` `Universiti Pendidikan Sultan Idris`

21 Anugerah Ahli Akademik Harapan
Universiti Pendidikan Sultan Idris

`2023` `University` `Universiti Pendidikan Sultan Idris`

Anugerah Inovasi PdP (Inovasi Pembelajaran Imersif Maya)

22   Universiti Pendidikan Sultan Idris

`2022` `University` `Universiti Pendidikan Sultan Idris`

Anugerah Corporate Social Responsibility

23   Universiti Pendidikan Sultan Idris

`2021` `University` `Universiti Pendidikan Sultan Idris`