



Dr. Muhamad Hariz Bin Muhamad Adnan

Menanggung Tugas Timb. Dekan/Timb. Pengarah/Pengetua, Faculty of Computing and Meta-Technology

✉ mhariz@meta.upsi.edu.my

☎ 054506000

📍 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

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

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 : 8

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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 Pembangunan Aplikasi Mudah Alih Asas Kod Tangan Siri 1 Bagi Murid Kurang Upaya Pendengaran Di Sekolah Rendah
2025 Member Universiti Pendidikan Sultan Idris
- 11 Pembinaan Garis Panduan Falsafah Sejahtera Melalui Kesukarelawanan Untuk Meningkatkan Perpaduan Dalam Pendidikan Negara
2023 Member Universiti Pendidikan Sultan Idris
- 12 The Characterization Of Design For Mmobile Aaugmented Reality (AR) Reading Kit For Preschool Reading Literacy
2022 Member Universiti Pendidikan Sultan Idris
- 13 PROGRAM LATIHAN KEUSAHAWANAN YAYASAN PERAK GRADPRENEUR (YPG): CABARAN, KEBERKESANAN DAN PENAMBAHBAIKAN
2025 Member Upsi Holding Sdn Bhd
- 14 Formulating A Learner's Growth Model To Reduce Programming Anxiety Among Primary School Students
2025 Member
- 15 Pembinaan Model Komuniti Maya Berpagar Melalui Pendekatan Kawalan Sosial Dalam Kebergantungan Media
2024 Member Kementerian Pengajian Tinggi
- 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
-
- 20 **Stress Detection And Mitigation Through Discovery Of Optimal Lecture Delivery Method For STEM-enrolled University Students**
 2024 Member Universiti Pendidikan Sultan Idris
-
- 21 **Pembangunan Modul E-Aktiviti Pintar Bagi Pentaksiran Bilik Darjah Dalam Mata Pelajaran Geografi.**
 2024 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 **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
-

PUBLICATIONS

- 1 **Optimization In University Student Timetables: A Comprehensive Literature Review**
 Journal of Advanced Research in Applied Sciences and Engineering Technology
 2024 SCOPUS Correspondence Author
-
- 2 **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
-
- 3 **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
-
- 4 **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
-
- 5 **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
-

- 6 **AI Meets Entrepreneurship: A Framework of Web Platform for Enhancing Skills, Streamlining Finance and Identifying Multiple Intelligence**
IEEE Xplore Digital
2023 SCOPUS First Author
-
- 7 **ing 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
-
- 8 **A user-priorities-based strategy for three-phase intelligent recommendation and negotiating agents for cloud services**
IEEE Access
2023 SCOPUS Correspondence Author
-
- 9 **Development of Online Courseware for Low-Achieving Special Education Students Learning Communication**
Journal of Engineering, Technology and Applied Science
2022 Google Scholar Correspondence Author
-
- 10 **Development of Attendance Monitoring System with Artificial Intelligence Optimization in Cloud**
International Journal of Artificial Intelligence (IJAI)
2021 Google Scholar Correspondence Author
-
- 11 **Kerangka Teknologi Bantu untuk Diagnosis Hubungan Kecerdasan Visual Spasial bagi Pelajar dengan Masalah Pembelajaran**
Journal of ICT in Education
2021 Non Index Correspondence Author
-
- 12 **A Survey of Malware Risk Detection Techniques in Cloud**
Psychology and Education
2020 SCOPUS Correspondence Author
-
- 13 **An Overview of Current Multi-Attribute Techniques in Double Auction Frameworks**
Psychology and Education
2020 SCOPUS Correspondence Author
-
- 14 **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
-
- 15 **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
-
- 16 **Sorotan Naratif ChatGPT dalam Pendidikan: Peluang, Cabaran dan Kebimbangan Etika**
EDUCATUM Journal of Social Sciences
2025 Malaysian Citation Index Co-Author

- 17 **A Systematic Literature Review on Deep Learning Approaches for Cloud Service Recommender Systems**
Journal of ICT in Education
2025 Malaysian Citation Index Co-Author
-
- 18 **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
-
- 19 **Social Media and Virtual Communities: Investigating Digital Engagement, Social Problem Management, and Economic Mobility**
Paper Asia
2025 SCOPUS Co-Author
-
- 20 **Development of Geography Alternative Assessment Module for Malaysia Secondary School**
Geografia – Malaysian Journal of Society and Space
2024 Web of Science Co-Author
-
- 21 **Application of Social Control Concept In Virtual Community**
Perspektif: Jurnal Sains Sosial dan Kemanusiaan
2024 Malaysian Citation Index Co-Author
-
- 22 **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
-
- 23 **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
-
- 24 **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
-
- 25 **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
-
- 26 **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
-
- 27 **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

- 28 **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
-
- 29 **A user-priorities-based strategy for three-phase intelligent recommendation and negotiating agents for cloud services**
IEEE Access
2023 SCOPUS Co-Author
-
- 30 **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
-
- 31 **Design and Development of Face Mask Reminder Box Technology using Arduino Uno**
International Journal of Advanced Computer Science and Applications
2022 SCOPUS Co-Author
-
- 32 **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
-
- 33 **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
-
- 34 **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 Pembangunan Kerangka Strategik Pembudayaan Pendigitalan Pengurusan Sekolah Di Sarawak : Satu Kajian Empirikal Di Sekolah Rendah Luar Bandar Dan Pedalaman
2026 PHD National Supervisor Presentation
- 6 Chatbots Adoption For Gamification Of Progamming Language Learning
2026 PHD National Supervisor Presentation
- 7 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
- 8 Kesan Avatar Berbeza Reka Bentuk Terhadap Self-Presence, Efikasi Kendiri Dan Emosi Pelajar
2026 PHD National Co-Supervisor Presentation
- 9 Explainable AI For Autism Spectrum Disorder Detection Using Deep Learning-based Facial Image Analysis
2026 Master International Supervisor Presentation
- 10 Assessing The Impact Of E-Learning Processes On Individuals Using Comprehensive Assessment Frameworks
2026 Master International Supervisor Presentation
- 11 Artificial Intelligence Data-Driven Training Needs Analysis With Personalized Learning For Maintenance And Engineering Personnel In Airline Industry
2026 Master International Supervisor Presentation
- 12 Network Infrastructure For SMEs And MSME
2026 Master International Supervisor Presentation
- 13 Global Search Timetabling Optimization Framework Using Artificial Intelligence
2026 Master National Supervisor Presentation

14 Pembangunan Kecerdasan Buatan Dalam Organisasi Dan Hubungkaitnya Dengan Masyarakat

2026 Master National Supervisor Presentation

15 Kajian Video Pendidikan Di Tiktok Oleh Pendidik Di Universiti.

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 In Progress

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–Usahawan 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 Keusahawan 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	EUsahawan 2020 (Fasa 1)	2020	Malaysia Digital Economy Corporation Sdn Bhd	In Progress
26	Projek Perundingan Program E–Usahawan (Usahawan Digital) PMIUSMKKJ	2020	Persatuan Mahasiswa Islam USM Kampus Kejuruteraan	In Progress
27	Perundingan bagi Kerjaya Dietitian Cakna Kesihatan Masyarakat Melalui Aplikasi 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–Usahawan	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 Python 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	BENKEL 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
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
2025 International 3 Modern Education & Technology Advance in Research and Innovation for Sustainable Excellence (METAR) Gold
- 3 HAJJBLOX A VIRTUAL HAJJ PILGRIMAGE SIMULATION
2025 International 3 Modern Education & Technology Advance in Research and Innovation for Sustainable Excellence (METAR) Gold
- 4 BraillePreneur MODULE
2024 International International Innovation Competition (Ino-ICAME) 2024, The 3rd International Conference on Accountin Gold
- 5 Synergetic: Online MOOC Platform for Collaborative Learning
2023 International International Education Innovation Expo (EDU@Innovate) 2023 Gold
- 6 FLEXIO: FLEXIBLE, INCLUSIVE AND OPEN EDUCATIONAL RESOURCES VIRTUAL
TECHNOPRENEURSHIP INCUBATOR
2022 International InIIC Series 2/2022 Gold
- 7 MOTHER & CHILD RECORD (MYMACER)
2020 International NATIONAL HACKATON FOR DIGITALISING GOVERNMENT SERVICES Gold
- 8 Squirrel Whimsical Adventure
2025 International International Education Innovation Competition (Eduinnovate) 2025 Silver
- 9 Synergetic: Online MOOC Platform for Collaborative Learning
2024 International MALAYSIA TECHNOLOGY EXPO (MTE) Silver
- 10 PROBLEM SOLVING ORIENTED E-MODULE IN LEARNING AUDIO VIDEO TECHNIQUES VIA
FACEBOOK (PSOMODULE)
2023 International International, Invention & Technology Exhibition (ITEX) 2023 Silver
- 11 Exploring Microorganisms Through Augmented Reality: An Innovative Educational Tool for Form 5
Students
2025 International International Education Innovation Competition (Edu@Innovate) 2025 Bronze
- 12 FLEXIO: FELXIBLE, INCLUSIVE AND OPEN EDUCATIONAL RESOURCES VIRTUAL
TECHNOPRENEURSHIP INCUBATOR
2022 International PECIPTA 2022 Bronze
- 13 BEST THEME AWARD "T6 – INTERACTIVE MEDIA (ANIMATION, GAMES, VIDEO, COMICS)"
2025 International 3rd Modern Education & Technology Advance in Research and Innovation for Sustainable Excellence

BEST CATEGORY AWARD “HIGHER INSTITUTION STUDENT”

14 **2025** **International** 3rd Modern Education & Technology Advance in Research and Innovation for Sustainable Excellence

ONLINE BEST PRODUCT AWARD

15 **2025** **International** 3rd Modern Education & Technology Advance in Research and Innovation for Sustainable Excellence

Editor’s Choice Article (Vol. 40, No. 1)

16 **2024** **International** Journal of Advanced Research in Applied Sciences and Engineering Technology

BEST PRESENTATION AWARD (TECHNOLOGY)

17 **2022** **International** Retreat 2022

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

18 **2022** **National** TLIF 2022 **Gold**

Top Trainer

19 **2020** **National** Malaysia Digital Economy Corporation Sdn Bhd (MDEC)

Anugerah Perkhidmatan Cemerlang

20 **2023** **University** Universiti Pendidikan Sultan Idris

Anugerah Ahli Akademik Harapan

21 **2023** **University** Universiti Pendidikan Sultan Idris

Anugerah Inovasi PdP (Inovasi Pembelajaran Imersif Maya)

22 **2022** **University** Universiti Pendidikan Sultan Idris

Anugerah Corporate Social Responsibility

23 **2021** **University** Universiti Pendidikan Sultan Idris