



PERSONAL DETAIL

Name	PROF. MADYA DR. FARIDA HAZWANI BINTI MOHD RIDZUAN
Designation	PENSYARAH UNIVERSITI DS54
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ACADEMIC QUALIFICATION

No	Year	Qualification	Institution	Field
1	2013	PhD	CURTIN UNIVERSITY OF TECHNOLOGY,AUSTRALIA	KOMPUTER SEKURITI
2	2008	Master	UNIVERSITY OF ESSEX , UK	DISRETE MATHEMATICS AND ITS APPLICATIONS
3	2005	Bachelor	UNIVERSITI TEKNOLOGI MALAYSIA, SKUDAI	SAINS KOMPUTER

TEACHING

MASTER / PHD

No	Code Subject	Subject	Start Year	End Year
1	SKJ8203	NETWORK AND MOBILE SECURITY	2024	2024

DEGREE

No	Code Subject	Subject	Start Year	End Year
1	SAA2033	COMPUTATIONAL TECHNIQUES IN MATHEMATICS	2008	2009
2	SKM3463	HUMAN COMPUTER INTERACTION	2013	2018
3	SKJ2083	SOFTWARE ENGINEERING	2014	2014
4	SKJ4143	CRYPTOGRAPHY AND APPLICATION	2014	2017
5	SKJ4642	PRINCIPLES OF COMPUTER NETWORK	2014	2014
6	SKJ2073	STRUCTURAL DATA AND ALGORITHM	2014	2017
7	SKJ2413	OBJECT-ORIENTED PROGRAMMING	2014	2017
8	SKJ4273	ASSEMBLY LANGUAGE	2015	2023
9	SKJ1013	JAVA PROGRAMMING	2015	2015
10	SKJ4113	INFORMATION SYSTEM DEVELOPMENT	2015	2016
11	SKJ2023	STRUCTURAL DATA AND ALGORITHM	2017	2024
12	SKJ3173	SECURED WEB PROGRAMMING	2024	2024

INTERNAL SUPERVISION
PHD

No	Matric No	Student Name	Type of Supervisor	Start Year	End Year
1	4140056	MOHYA'ADEAN ATIYA SALEM MOUSA	Chairman of Supervisory Committee	2014	2015
2	4140075	WAIL ABDO ALI AL-HIAGEM	Co-Supervisor	2014	2022
3	4150059	IBRAHIM ZUHAIR SHAKIR	Co-Supervisor	2015	2016
4	4150131	MUHAMMAD BIN YUSOF	Co-Supervisor	2016	2022
5	4150221	HAMAD AHMED ABDULJABBAR HAMAD	Main Supervisor	2016	2022
6	4150225	KALID ABDLKADER MARSAL SALIH	Co-Supervisor	2016	2022
7	4172541	SITI HAFIZAH ZAINOL ABIDIN	Co-Supervisor	2017	2023
8	4182729	MUHAMMAD HARITH NOOR AZAM	Main Supervisor	2020	2023
9	4192573	ABDUL ALIF BIN ZAKARIA	Member of Supervisory Committee	2020	2022
10	4231248	ROZLINDA BINTI RADZALI	Member of Supervisory Committee	2022	2024

MASTER

No	Matric No	Student Name	Type of Supervisor	Start Year	End Year
1	3150092	INTAN NURFARAHIN BINTI AHMAD	Main Supervisor	2015	2022
2	3150099	ANES ABDULQAHAR SHAKER	Main Supervisor	2016	2022
3	3160156	ASMA SALSABILA BINTI MUHMAD RUSLI	Main Supervisor	2016	2022
4	3171251	ABDALLA GAMIL ABDELNABY MOHAMED ELHAYES	Chairman of Supervisory Committee	2017	2022
5	3181019	Muhammad Harith Noor Azam	Main Supervisor	2018	2024
6	3222544	AHMAD TAQIYUDDIN MOHD ANAS	Main Supervisor	2022	2024

INTERNAL RESEARCH

No	Title	Grant	Role	Date
1	Penggalian Petunjuk Ilmu Aqli Dalam Quran	Geran Penyelidikan Kompetitif Kluster	Co-Researcher	01/07/2014 - 19/12/2017
2	AN INTELLIGENT SELF-DESTRUCT SMARTPHONE ALGORITHM USING APOPTOSIS FOR ROOT EXPLOITATION	Geran KPT	Co-Researcher	01/07/2014 - 21/02/2018
3	A new algorithm for indexing big data using Case Based Reasoning (CBR)	Geran KPT	Main Researcher	01/12/2014 - 19/12/2016
4	A new algorithm for adaptation rules using case-based	Geran KPT	Co-Researcher	01/12/2014 -

	reasoning (CBR) technique.			27/09/2017
5	A New Integrated Postgraduate Student Systems Development	Geran Penyelidikan Khas	Co-Researcher	25/08/2015 - 23/03/2017
6	SIMULTANEOUS EXPLORATION OF MAPPING AND ROUTING ON HARD REAL-TIME EMBEDDED NETWORKS-ON-CHIP	Geran Jangka Pendek Fasa 1	Co-Researcher	01/05/2016 - 19/12/2018
7	A New Model for Content Understanding and Knowledge Dissemination of the Quran using Intelligent Data Model	Geran KPT	Co-Researcher	04/01/2016 - 08/12/2020
8	INTELLIGENT SPAM DETECTION MODEL BASED ON IMMUNOLOGICAL MEMORY OF ADAPTIVE IMMUNE SYSTEM	Geran KPT	Co-Researcher	01/08/2016 - 08/12/2020
9	EVOLUTIONARY MULTI-OBJECTIVE OPTIMIZATION FOR COVER AUDIO SELECTION IN AUDIO STEGANOGRAPHY	Geran KPT	Main Researcher	15/08/2017 - 08/12/2020
10	A NEW ALGORITHM OF GEO-ENCRYPTION BASED ON LOCATION FOR SECURE CLOUD STORAGE	Geran KPT	Co-Researcher	15/08/2017 - 19/11/2021
11	DYNAMIC S-BOX USING AFFINE TRANSFORMATION TO INCREASE THE SECURITY OF ENCRYPTION	Geran Penyelidikan USIM	Co-Researcher	22/10/2018 - 27/12/2022
12	LIGHTWEIGHT CRYPTOSYSTEM BY ADOPTING THE 3D FEATURE	Geran KPT	Co-Researcher	01/09/2019 - 30/11/2023
13	KIPLE FRAUD MANAGEMENT SYSTEM	Projek Revolusi Industri 4.0	Co-Researcher	01/09/2019 - 24/05/2021
14	A NEW DNA-INSPIRED SYMMETRIC ENCRYPTION ALGORITHM FOR STRONG RANDOMNESS PROPERTIES.	Geran KPT	Co-Researcher	01/11/2020 - 30/11/2023
15	A STUDY ON MALAYSIAN DIGITAL SIGNATURE (DS) MARKET DEMAND AND FEASIBILITY OF CERTIFICATION AUTHORITY (CA) INTEROPERABILITY	Geran Penyelidikan Agensi Kerajaan	Co-Researcher	01/06/2023 - 26/02/2024
16	GAME-BASED LEARNING TOOL FOR CYBERSECURITY AWARENESS WITH NAQLI AND AQLI INTEGRATION	Biduni Mizanniyah	Co-Researcher	01/08/2022 - 01/08/2023
17	CYBERSECURITY AND SYSTEMS (CSS)	Geran Kumpulan Penyelidikan (KUP)	Main Researcher	06/06/2024 - 06/06/2026
18	A STUDY ON USER BEHAVIOUR PROFILING FOR ORGANIZATIONAL SECURITY RESILIENCE	Geran Penyelidikan USIM	Co-Researcher	01/11/2023 - 01/11/2025
19	UNCERTAINTY MODELLING WITH STOCHASTIC PROCESS FOR ROBUST REAL-TIME SCHEDULABILITY ANALYSIS	Geran Penyelidikan USIM	Co-Researcher	01/11/2023 - 01/11/2025
20	CYBER HASANAT: SECURE CYBERCITIZENSHIP AWARENESS	Geran Penyelidikan Agensi Kerajaan	Co-Researcher	27/03/2024 - 27/10/2024
21	DEVELOPMENT OF AN ARABIC EXAM QUESTION GENERATOR UTILIZING ADVANCED NATURAL LANGUAGE PROCESSING TECHNIQUES WITH ARABIC CORPUS	Geran Penyelidikan USIM	Co-Researcher	06/06/2024 - 06/06/2026
22	ENHANCING DISASTER PREPAREDNESS AND RESILIENCE THROUGH A MOBILE EDUTAINMENT BASED ON USER-CENTERED APPROACH	Geran Penyelidikan Pentadbir	Co-Researcher	01/11/2023 - 01/11/2025
23	BALANCED COVER AUDIO SUGGESTION FOR AUDIO STEGANOGRAPHY ALGORITHM BASED ON NSGA-II, SEGMENTATION AND CHAOTIC MAP	Geran KPT - Geran FRGS	Main Researcher	01/11/2020 - 01/05/2024

24	HYBRID FUZZY LEAST SQUARES GENERATIVE ADVERSARIAL NETWORK (LS-GAN) BASED AUDIO STEGANOGRAPHY FOR BETTER IMPERCEPTIBILITY AND SECURITY REAL TIME PERFORMANCE.	Geran KPT - Geran FRGS	Main Researcher	01/08/2024 - 01/08/2027
25	ENHANCING CRYPTOGRAPHIC RESILIENCE THROUGH SYMMETRIC ENCRYPTION ALGORITHM UTILIZING VARIABLE LENGTH CHROMOSOMES GENETIC ALGORITHM	Geran KPT - Geran FRGS	Co-Researcher	01/08/2024 - 01/08/2027
26	ENHANCING INTEROPERABILITY IN THE CERTIFICATE AUTHORITY: NEW TRUST MODEL FOR PUBLIC KEY INFRASTRUCTURE USING CRYPTO-AGILITY	Geran KPT - Geran FRGS	Co-Researcher	01/08/2024 - 01/08/2027

EXTERNAL RESEARCH

No	Title	Grant	Organization	Duration
1	FORMULATION OF LIGHTWEIGHT COMPOSITE SECURITY KEY ALGORITHM FOR SCALABLE SECURITY BROKER FRAMEWORK IN INTERNET OF THINGS (IOT) NETWORKS	Geran Agensi Luar	Universiti Sains Malaysia	November 2020 - April 2024

CONFERENCE

No	Conference Name	Paper Work	Role	Date
1	4TH WORLD CONGRESS ON INFORMATION AND COMMUNICATION TECHNOLOGIES (WICT)	NETWORK SURVIVABILITY ANALYSIS MODELING APPROACH FOR MANETS: A SYSTEMATIC REVIEW	Pembentang Lisan / Kertas Kerja	08/12/2014 - 11/12/2014
2	KOLOKIU E-PEMBELAJARAN USIM	A COMPARISON STUDY ON THE EFFECT OF E-LEARNING TOOLS TOWARDS STUDENTS' COMPREHENSION FOR PRINCIPLES OF COMPUTER NETWORK COURSE IN USIM	Pembentang Lisan / Kertas Kerja	21/01/2015 - 21/01/2015
3	UKSim-AMSS 17th INTERNATIONAL CONFERENCE ON MODELLING AND SIMULATION (UKSIM 2015)	ANDROID MOBILE MALWARE SURVEILLANCE EXPLOITATION VIA CALL LOGS: PROOF OF CONCEPT	Pembentang Lisan / Kertas Kerja	25/03/2015 - 27/03/2015
4	The 7th Exposition on Islamic Innovation (i-Inova 2016)	Q-checked	Pembentang Poster	08/11/2016 - 09/11/2016
5	1st WORLD INTERNATIONAL CONFERENCE ON ISLAMIC SCIENCES 2016 (WICOIS'16)	A Hybrid Method for Data Communication Using Encrypted Audio Steganography	Pembentang Lisan / Kertas Kerja	05/12/2016 - 07/12/2016
6	1st WORLD INTERNATIONAL CONFERENCE ON ISLAMIC SCIENCES 2016 (WICOIS'16)	Optimizing the Performance of Mobile Malware Detection using the Indexing Rule	Pembentang Lisan / Kertas Kerja	05/12/2016 - 07/12/2016
7	1st WORLD INTERNATIONAL CONFERENCE ON ISLAMIC SCIENCES 2016 (WICOIS'16)	Classification for Quran Authentication Using Characters and Diacritics Hashed Values	Pembentang Lisan / Kertas Kerja	05/12/2016 - 07/12/2016
8	Security Exchange Conference		Peserta Biasa	16/08/2017 - 16/08/2017
9	International University Carnival on E-	Supporting eLearning	Pembentang Poster	26/09/2017 -

	Learning (IUCEL2017)	through Centralized Integrated Portal Postgraduate System(iPPS)		27/09/2017
10	International Conference on Communications Systems and Technologies 2017	Android Mobile Malware Classification using Tokenization Approach based on System Call Sequence	Pembentang Lisan / Kertas Kerja	25/10/2017 - 27/10/2017
11	INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN SCIENCE AND TECHNOLOGY 2017		Pengerusi	07/11/2017 - 09/11/2017
12	INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN SCIENCE AND TECHNOLOGY 2017	Performance Evaluation of the Adaptive Multilevel Embedding Method for Audio Steganography	Pembentang Lisan / Kertas Kerja	07/11/2017 - 09/11/2017
13	Research Collaboration and Invited Speaker at Japan Advanced Institute of Science and Technology (JAIST)	Arabic Text Steganography	Penceramah Jemputan	18/04/2018 - 20/04/2018
14	Research Collaboration and Invited Speaker at Japan Advanced Institute of Science and Technology (JAIST)	Research Collaboration on Steganography	Peserta Biasa	18/04/2018 - 20/04/2018
15	2nd Women in Science Forum		Peserta Biasa	01/08/2018 - 01/08/2018
16	The 2018 Cyber Security Malaysia Awards, Conference & Exhibition (CSM-ACE 2018)	None	Peserta Biasa	25/09/2018 - 25/09/2018
17	Blockchain Seminar and Training 2019		Peserta Biasa	04/03/2019 - 04/03/2019
18	International University Carnival on E-Learning (IUCEL) 2019	Dashboard Monitoring System for Postgraduate Study	Peserta Biasa	21/08/2019 - 22/08/2019
19	SEMINAR Q-AKUSTICRYPT 2019		Peserta Biasa	23/08/2019 - 23/08/2019
20	11th Cyber Security Malaysia - Awards, Conference & Exhibition (CSM-ACE) 2019		Peserta Biasa	23/09/2019 - 23/09/2019
21	2ND INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN SCIENCE AND TECHNOLOGY 2019	PSNR ESTIMATOR FOR THE LEAST SIGNIFICANT BIT AUDIO STEGANOGRAPHY METHOD	Pembentang Lisan / Kertas Kerja	28/10/2019 - 30/10/2019
22	7th International Cryptology and Information Security Conference (Cryptology 2020)	Cryptographic Randomness of RECTANGLE Block Cipher Algorithm	Peserta Biasa	09/06/2020 - 11/06/2020
23	24 Hours of UX		Peserta Biasa	10/06/2020 - 11/06/2020
24	CASH2020 International Conference on Computer Assisted Systems in Health, Education and Sustainable Development Pre-Conference Webinar Series SLOT 3.		Peserta Biasa	01/07/2020 - 01/07/2020
25	The 13th International Conference on Intelligent Robotics and Applications (ICIRA2020)		Peserta Biasa	05/11/2020 - 07/11/2020
26	12th OIC-CERT Annual Conference 2020 (Virtual)		Peserta Biasa	23/11/2020 - 24/11/2020

27	INTERNATIONAL POST GRADUATE CONFERENCE ON SCIENCE AND TECHNOLOGY (IPCOST21)		Moderator	01/12/2021 - 02/12/2021
28	INTERNATIONAL POST GRADUATE CONFERENCE ON SCIENCE AND TECHNOLOGY (IPCOST21)		Peserta Biasa	01/12/2021 - 02/12/2021
29	INTERNATIONAL UNIVERSITY CARNIVAL ON E-LEARNING (IUCEL2022)	CYBERPOLY: CYBERSECURITY EDUGAME	Peserta Biasa	28/06/2022 - 30/06/2022
30	Defence, Security and Sustainability Exhibition 2022 (DSS 2022)	SAKTI & CYBERPOLY: CYBERSECURITY EDUGAME	Pembentang Poster	03/08/2022 - 04/08/2022
31	Cyber Resillience Forum 2022 (CRF2022)		Peserta Biasa	05/10/2022 - 05/10/2022
32	Journey to the NIST Cybersecurity Framework (CSF) 2.0 Workshop #2		Peserta Biasa	15/02/2023 - 15/02/2023
33	How to Improve Your Journal Article Acceptance Rate and Research Productivity		Peserta Biasa	23/02/2023 - 23/02/2023
34	MCMC RESEARCH SYMPOSIUM 2023		Peserta Biasa	17/08/2023 - 17/08/2023
35	Webinar Navigating Research Trends through Systematic Literature Review		Peserta Biasa	08/09/2023 - 08/09/2023
36	Tech Tactics in Education	Building Cybersecurity Competencies in Higher Education via Gamification: From Theory to Innovative Solutions	Penceramah Jemputan	07/11/2023 - 09/11/2023
37	The 4th International Conference On Recent Advancements In Science And Technology (ICORAST2023)	COVER SELECTION IN STEGANOGRAPHY:A SYSTEMATIC LITERATURE REVIEW	Pembentang Lisan / Kertas Kerja	09/11/2023 - 09/11/2023
38	2023 International Conference on Advances in Machine Intelligence, and Cybersecurity Technologies (AMICT2023)	A Method of Cover Audio Selection for Embedding Based on Various Criteria.	Pembentang Lisan / Kertas Kerja	11/12/2023 - 12/12/2023
39	9th International Conference on Cyber Security, Privacy in Communication Networks (ICCS) 2023	Improving Dynamic Security of the Least Significant Bit using Block-Based Chaotic Multi-Level LSB (BCM-LSB)	Pembentang Lisan / Kertas Kerja	11/12/2023 - 12/12/2023
40	International Regulatory Conference 2024		Peserta Biasa	06/05/2024 - 07/05/2024
41	Kaspersky Academic Partners' Conference		Peserta Biasa	17/07/2024 - 17/07/2024
42	NACSA Cyber Security Summit		Peserta Biasa	30/07/2024 - 01/08/2024
43	CyberDSA Conference 2024		Peserta Biasa	06/08/2024 - 08/08/2024
44	2nd International Conference on Emerging Technologies and Sustainability (ICETS 2024)	Assessing Features for Malaysian Universities' Web Expert Directory from User Perspectives	Pembentang Lisan / Kertas Kerja	31/08/2024 - 01/09/2024
45	MCMC Research Symposium 2024		Peserta Biasa	04/09/2024 - 04/09/2024

AREA OF SPECIALIZATION AND RESEARCH INTERESTS

No	Field / Area	Level of Expertise
1	ALGORITHMS AND CRYPTOLOGY	HIGH
2	ANALYSIS OF ALGORITHMS AND COMPLEXITY	MODERATE
3	CRYPTOGRAPHY	MODERATE
4	DATA HIDING STEGANOGRAPHY	HIGH
5	DATA SECURITY	HIGH

PUBLICATION - BOOK

2021

1. Sakinah Ali Pitchay, Farida Hazwani Mohd Ridzuan, Nur Hafiza Zakaria, Computing II, USIM Press

PUBLICATION - CHAPTER IN BOOK

2021

1. Farida Ridzuan and Muhammad Azhar Yahya, Applied Science & Technology in Information Security & Assurance, Financial Mathematics & Actuarial Science & Risk Management, USIM Press, 13-23
2. Farida Ridzuan and Farah Afifah Lotfi 'Amer, Applied Science & Technology in Information Security & Assurance, Financial Mathematics & Actuarial Science & Risk Management, USIM Press, 39-45

2019

1. Farida Hazwani Mohd Ridzuan, Azni Haslizan Ab Halim, Mohd Aizuddin Abdul Aziz, Mudzfirah Halim, Nur Ain Fatimah, The Integration of Naqli and Aqli in Information Security and Assurance from The Islamic & Technological Perspectives, USIM Press, 36-50

2018

1. Intan Nurfarahin Ahmad, Farida Ridzuan, Madihah Mohd Saudi, Sakinah Ali Pitchay, Nurlida Basir and N. F. Nabila, Transactions on Engineering Technologies, Springer, 271-285

2016

1. Intan Nurfarahin Ahmad, Farida Ridzuan & Madihah Mohd Saudi, Innovation in Student Centered Teaching and Learning, USIM publisher, 50-59

2010

1. , LECTURE NOTES IN COMPUTER SCIENCE (LNCS), Springer Berlin Heidelberg, 400-411
2. , LECTURE NOTES IN COMPUTER SCIENCE (LNCS), Springer Berlin Heidelberg, 383-399

PUBLICATION - JOURNAL

2023

1. Muhammad Harith Noor Azam, Farida Ridzuan, M Norazizi Sham Mohd Sayuti, Optimised Cover Selection for Audio Steganography Using Multi-Objective Evolutionary Algorithm,,22,2 (April),255-282
2. AAbdul Alif Zakaria , A.H. Azni, Farida Ridzuan, Nur Hafiza Zakaria, Maslina Daud, Systematic Literature Review: Trend Analysis on the Design of Secure Lightweight Block Cipher,,35,5,101-550

2022

1. Muhammad Harith Noor Azam, Farida Ridzuan and M Norazizi Sham Mohd Sayuti, A New Method to Estimate Peak Signal to Noise Ratio for Least Significant Bit Modification Audio Steganography,,30,1,497-511
2. NIK AZURA NIK ABDULLAH NUR HAFIZA ZAKARIA AZNI HASLIZAN AB HALIM FARIDA HAZWANI MOHD RIDZUAN AZUAN AHMAD KAMARUZZAMAN SEMAN SURIYANI ARIFFIN, A THEORETICAL COMPARATIVE ANALYSIS OF DNA TECHNIQUES USED IN DNA BASED CRYPTOGRAPHY, Journal of Sustainability Science and Management, 17,5,165-178
3. Abdul Alif Zakaria, Azni Haslizan Ab Halim, Farida Ridzuan, Nur Hafiza Zakaria and Maslina Daud, LAO-3D: A Symmetric Lightweight Block Cipher Based on 3D Permutation for Mobile Encryption Application,,14,10,20-42
4. Sakinah Ali Pitchay, Anis Syahira Suhaimi, Najwa Hayaati Mohd Alwi, Farida Ridzuan and Azni Haslizan Ab Halim, Enhancing Cyber-attacks Awareness via Mobile Gamification Techniques, International Journal of Advanced Research in Technology and Innovation, 4,2,69-84

2021

1. AZUAN AHMAD, AZNI HASLIZAN AB HALIM, FARIDA HAZWANI MOHD REDZUAN, SECURITY ANALYSIS BETWEEN STATIC AND DYNAMIC SBOXES IN BLOCK CIPHERS, JOURNAL OF INFORMATION SYSTEM AND TECHNOLOGY MANAGEMENT (JISTM), 6,20,10-16

2020

1. Madihah Mohd Saudi, Luqman Amran, Farida Ridzuan, Go-Detect Application Inspired by Apoptosis to Detect SMS Exploitation by Malwares,,-,RITA2018,101-116
2. FARIDA RIDZUAN, Digital audio steganography: Systematic review, classification, and analysis of the current state of the art,,38,2020,100316-100339
3. FARIDA RIDZUAN, The Progressive Multilevel Embedding Method for Audio Steganography,,1551,1,1-13
4. Abdul Alif Zakaria, AH Azni, Farida Ridzuan, Nur Hafiza Zakaria, Maslina Daud, Extended RECTANGLE Algorithm Using 3D Bit Rotation to Propose a New Lightweight Block Cipher for IoT,,8,0,198646-198658
5. Abdul Alif Zakaria, A. H. Azni, Farida Ridzuan, Nur Hafiza Zakaria and Maslina, Randomness Tests on Nine Data Categories of RECTANGLE Using NIST Statistical Test Suite, International Journal of Cryptology Research, 10,2,1-22

2019

1. M. Norazizi Sham Mohd Sayuti, Farida Hazwani Mohd Ridzuan, Zul Hilmi Abdullah, Task mapping and routing optimization for hard real-time Networks-on-Chip, Bulletin of Electrical Engineering and Informatics, 8,2,414-421
2. Marsal, K. A., Azni, A. H., & Ridzuan, F., Formulation of 3D Euclidean Distance for Network Clustering in Wireless Sensor Network., Compusoft, An International Journal of Advanced Computer Technology, 8,9,3368-3373
3. Ahmed Abduljabbar Alsabhany; Farida Ridzuan; A. H. Azni, The Adaptive Multi-Level Phase Coding Method in Audio Steganography,,7,2019,129291-129306

2018

1. MADIHAH MOHD SAUDI, AMIRUL ADLI ISMAIL, FARIDA RIDZUAN, Mobile Malware Call Logs Classification Based On Android Package Index (API), Journal of Engineering Science and Technology, 13 2018,-,152-161

2. Muhammad Afifi Mohamad Safee, Madihah Mohd Saudi, Sakinah A. Pitchay, Farida Ridzuan, Nurlida Basir, Kamarudin Saadan, Fatin Nabila, Hybrid Search Approach for Retrieving Medical and Health Science Knowledge from Quran, International Journal of Engineering & Technology (UAE), 7, 15, 69-74
3. Asma Salsabila Muhmad Rusli, Farida Ridzuan, Zulkifly Mohd Zaki, M Norazizi Sham Mohd Sayuti, Rosalina Abdul Salam, A Systematic Review on Semantic-based Ontology for Quranic Knowledge, International Journal of Engineering and Technology (UAE), 7, 15, 80-86
4. Sakinah Ali Pitchay, Wail Abdo Ali Alhiagem, Farida Ridzuan, Sundresan Perumal, Mobile Application Design for Protecting the Data in Cloud Using Enhanced Technique of Encryption, International Journal of Engineering and Technology (UAE), 7, 15, 98-102
5. Muhammad Yusof, Madihah Mohd Saudi, Farida Ridzuan, Mobile Botnet Classification by using Hybrid Analysis, International Journal of Engineering and Technology (UAE), 7, 15, 103-108
6. Nurlida Basir, N. F. Nabila, Nurzi Juana Mohd Zaizi, Madihah Mohd Saudi, Farida Ridzuan, Sakinah Ali Pitchay, Retrieval Performance for USIM's Quranic Search Engine, International Journal of Engineering & Technology (UAE), 7, 15, 126-129
7. Anes A. Shaker, Farida Hazwani Mohd Ridzuan, Sakinah Ali Pitchay, A Review Analysis for Text Steganography, Malaysian Journal of Science, Health and Technology (MJOSHT), 2, 1, 26-30
8. Ahmed A Alsabhany, Farida Hazwani Mohd Ridzuan, Azni Haslizan Ab Halim, An Adaptive Multi Amplitude Thresholds Embedding Algorithm for Audio Steganography, Malaysian Journal of Science, Health and Technology (MJOSHT), 1, 1, 7-10
9. Muhammad Yusof, Madihah Mohd Saudi, Farida Hazwani Mohd Ridzuan, A Systematic Review Analysis for Mobile Botnet Detection using GPS Exploitation, Malaysian Journal of Science, Health and Technology (MJOSHT), 1, 1, 16-20
10. Muhammad Yusof, Madihah Mohd Saudi, and Farida Ridzuan, A New Android Botnet Classification for GPS Exploitation Based on Permission and API Calls, Lecture Notes in Electrical Engineering, 465, -, 27-36

2017

1. Anes. A. Shaker, Farida Ridzuan, Sakinah Ali Pitchay, Text Steganography using Extensions Kashida based on the Moon and Sun Letters Concept, International Journal of Advanced Computer Science and Applications (IJACSA), 8, 8, 286-290
2. Muhammad Yusof, Madihah Mohd Saudi and Farida Ridzuan, A New Mobile Botnet Classification based on Permission and API Calls, IEEE Explore, -, -, 122-127
3. Muhammad bin Yusof, Madihah binti Mohd Saudi and Farida Ridzuan, A Systematic Review and Analysis of Mobile Botnet Detection for GPS Exploitation, Advanced Science Letters, 23, 5, 4696-4700
4. Ahmed A. Alsabhany, Farida Ridzuan, Azni A. H., A Hybrid Method for Data Communication Using Encrypted Audio Steganography, Advanced Science Letters, 23, 5, 4896-4900
5. Intan Nurfarahin Ahmad, Farida Ridzuan, Madihah Mohd Saudi, Optimizing the Performance of Mobile Malware Detection using the Indexing Rule, Advanced Science Letters, 23, 5, 4627-4630
6. Farida Ridzuan, Ziaurahman Shirzad, A H Azni, Madihah Mohd Saudi, Classification for Quran Authentication Using Characters and Diacritics Hashed Values, Advanced Science Letters, 23, 5, 4692-4695
7. Nurlida Basir, N. F. Nabila, Nurzi Juana Mohd Zaizi, Madihah M. Saudi, Farida Hazwani Mohd Ridzuan, and Sakinah Ali Pitchay, Intelligent Quranic Ontology Retrieval, Advanced Science Letters, 23, 5, 4449-4453

2016

1. Intan Nurfarahin Ahmad, Farida Ridzuan, Madihah Mohd Saudi and Sakinah Ali Pitchay, Indexing Android Mobile Malware, Journal of Engineering and Applied Sciences, 11, 3, 369-374
2. Muhammad Afifi Mohamad Safee, Madihah Mohd Saudi, Sakinah Ali Pitchay and Farida Ridzuan, A Systematic Review Analysis for Quran Verses Retrieval, Journal of Engineering and Applied Sciences, 11, 3, 629-634

2015

1. A.H. Azni, Rabiah Ahmad, Zul Azri Mohamad Noh, Farida Hazwani, Najwa Hayaati, Systematic Review for Network Survivability Analysis in MANETS, Procedia - Social and Behavioral Sciences, 195, 2015, 1872-1881

2013

1. Farida Ridzuan, Vidyasagar Potdar, Wendy Hui, Awareness, Knowledge and Perception of Online Spam, Journal of Next Generation Information Technology, 4, 3, 9-22

PUBLICATION - PROCEEDING

2023

No	Title	Conference Name	Organizer	Level
1	A Method of Cover Audio Selection for Embedding Based on Various Criteria	1st International Conference on Advances in Machine Intelligence, and Cybersecurity Technologies (AMICT2023)	UMS	INTERNATIONAL

2020

No	Title	Conference Name	Organizer	Level
1	Randomness analysis on RECTANGLE block cipher	The 7th International Cryptology and Information Security Conference 2020 (CRYPTOLOGY2020)	UPM, CSM, MSCR	INTERNATIONAL
2	Modifications of Key Schedule Algorithm on Rectangle Block Cipher	2nd International Conference on Advances in Cyber Security (ACeS 2020)	Universiti Sains Malaysia	INTERNATIONAL

2019

No	Title	Conference Name	Organizer	Level
1	Balancing the Trade-Off Between Capacity and Imperceptibility for Least Significant Bit Audio Steganography Method: A New Parameter	2019 IEEE Conference on Application, Information and Network Security (AINS)	IEEE Computer Society	INTERNATIONAL

2018

No	Title	Conference Name	Organizer	Level
1	A FRAMEWORK TO ENHANCE THE WAVELET-BASED AUDIO STEGANOGRAPHY METHODS' ROBUSTNESS	THE 1ST INTERNATIONAL CONFERENCE ON IMMERSIVE EDUCATIONAL TECHNOLOGY 2018	USIM	INTERNATIONAL

2017

No	Title	Conference Name	Organizer	Level
1	A new mobile botnet classification based on permission and API calls	Seventh International Conference on Emerging Security Technologies (EST), 2017	IEEE	INTERNATIONAL

2	Android Mobile Malware Classification using Tokenization Approach based on System Call Sequence	World Congress on Engineering and Computer Science (WCECS)	IAENG	INTERNATIONAL
3	Proceeding of Postgraduate Colloquium on Science and Technology	Seminar Siswazah Sains dan Teknologi (KOSIST'2016)	Fakulti Sains dan Teknologi (FST)	UNIVERSITY

2016

No	Title	Conference Name	Organizer	Level
1	An Efficient Data Transformation Technique for Web Log	International Conference on Computer Science and Applications 2016	IAENG	INTERNATIONAL
2	A Review Analysis for Text Steganography	Seminar Siswazah Fakulti Sains dan Teknologi 2016 (KOSIST'16)	Faculty of Science and Technology	UNIVERSITY
3	A Review Analysis of Indexing Rule for Mobile Malware Detection	Seminar Siswazah Fakulti Sains dan Teknologi 2016 (KOSIST'16)	Faculty of Science and Technology	UNIVERSITY
4	A Review Analysis for Mobile Botnet Detection using GPS Exploitation	Seminar Siswazah Fakulti Sains dan Teknologi 2016 (KOSIST'16)	Faculty of Science and Technology	UNIVERSITY
5	An Adaptive Multi Amplitude Thresholds Embedding Algorithm for Audio Steganography	Seminar Siswazah Fakulti Sains dan Teknologi 2016 (KOSIST'16)	Faculty of Science and Technology	UNIVERSITY
6	Clustering Algorithm to Improve Network Connectivity in WSNs for Correlated Nodes Behaviour: A Systematic Review	Seminar Siswazah Fakulti Sains dan Teknologi 2016 (KOSIST'16)	Faculty of Science and Technology	UNIVERSITY

2015

No	Title	Conference Name	Organizer	Level
1	Using Probability Theory to Identify the Unsure Value of an Incomplete Sentence.	17th UKSIM-AMSS International Conference on Modelling and Simulation	IEEE Computer Society	INTERNATIONAL
2	Android Mobile Malware Surveillance Exploitation Via Call Logs: Proof of Concept	17th UKSIM-AMSS International Conference on Modelling and Simulation	IEEE Computer Society	INTERNATIONAL
3	An Efficient Easy Computer Emergency Response Team Malware Reservoir System (eZCERT).	17th UKSIM-AMSS International Conference on Modelling and Simulation	IEEE Computer Society	INTERNATIONAL
4	A Proposed System Concept on Enhancing the Encryption and Decryption Method for Cloud Computing	17th UKSIM-AMSS International Conference on Modelling and Simulation	IEEE Computer Society	INTERNATIONAL
5	A Systematic Review Analysis for Indexing Algorithm for Quran Verses	International Multiconference on Education and Technology (IMCET'15)		NATIONAL

2014

No	Title	Conference Name	Organizer	Level
1	Network Survivability Analysis Modeling Approach for MANETS : A Systematic Review	Fourth World Congress on Information and Communication Technologies (WICT 2014)	MIRLabs & UTeM	INTERNATIONAL

2012

No	Title	Conference Name	Organizer	Level
1	Spam 2.0	International Conference on Cloud & Ubiquitous Computing & Emerging Technologies (CUBE 2012)		INTERNATIONAL
2	The Changing Nature of Spam 2.0	International Conference on Cloud & Ubiquitous Computing & Emerging Technologies (CUBE 2012)		INTERNATIONAL
3	A survey of awareness, knowledge and perception of online spam	7th International Conference on Computing and Convergence Technology (ICCT)2012	Advanced Institute of Convergence Information Tech	INTERNATIONAL

2011

No	Title	Conference Name	Organizer	Level
1	Storage cost of Spam 2.0 in a web discussion forum.	8th Annual Collaboration, Electronic messaging, Anti-Abuse and Spam Conference (CEAS 2011)	Curtin University	INTERNATIONAL

2010

No	Title	Conference Name	Organizer	Level
1	Key Parameters in Identifying Cost of Spam 2.0	24th IEEE International Conference on Advanced Information Networking and Applications (AINA 2010)	DEBII, Curtin University	INTERNATIONAL
2	Spam 2.0: The Problem Ahead	International Conference on Computational Science and Its Applications (ICCSA 2010)	Faculty of Information Science, Kyushu Sangyo Univ	INTERNATIONAL
3	Factors Involved in Estimating Cost of Email Spam	International Conference on Computational Science and Its Applications (ICCSA 2010)	Faculty of Information Science, Kyushu Sangyo Uni	INTERNATIONAL

PUBLICATION - THESIS

2023

No	Title	Field	Thesis Level	Type
1	Enhancement of Cover Selection-Based Audio Steganography (CAS) Using Block-Based Chaotic Multi-Level LSB (BCM- LSB) For Balanced Performance	Steganography, Information Security	Doctor of philosophy	Co-Editor
2	Vehicle Monitoring Mobile App for Rental Car	Mobile App development	Bachelor	Co-Editor

2018

No	Title	Field	Thesis Level	Type
1	ANDROID APPLICATION OF IMAGE, AUDIO	Steganography	Bachelor	Editor

	AND ARABIC TEXT STEGANOGRAPHY			
2	USIM RESEARCHERS' DATABASE USING QR CODE	System development	Bachelor	Editor

2017

No	Title	Field	Thesis Level	Type
1	Information Hiding Based on Mapping of Emoticons and AES Algorithm	information security	Bachelor	Editor
2	Combining AES and Audio Steganography for Secure Data Communication of Arabic Language	Information Security	Bachelor	Editor
3	An Enhanced Hybrid Method Using AES Algorithm and Steganography based on Concept of Lunar and Solar Letters	Text Steganography	Master	Editor

2016

No	Title	Field	Thesis Level	Type
1	AES Cryptography and Image Steganography For Password Authentication	Information Security	Bachelor	Editor
2	Android Application for Quran Authenticity using MD5 Hashing Algorithm	Information Security	Bachelor	Editor
3	Combining AES Algorithm and Text Steganography Using Emoticon in Mobile Application	Information Security	Bachelor	Editor
4	Combining AES and Image Steganography in Android Mobile Application for Secure Data Transmission	Information Security	Bachelor	Editor

2015

No	Title	Field	Thesis Level	Type
1	Naïve Bayesian Anti-spam Classification Technique for SMS Spam	Computer Security	Bachelor	Editor
2	Detecting Spam through Content-based Analysis Using Machine Learning Algorithm	Computer Security	Bachelor	Editor
3	Behaviour-Based Spam Detection In Web 2.0	Computer Security	Bachelor	Editor

2009

No	Title	Field	Thesis Level	Type
1	A study of Cost, Awareness, Knowledge and Perception of Spam 2.0	Web Security, Social Engineering	Doctor of philosophy	Main Author

2007

No	Title	Field	Thesis Level	Type

1	A Public Key Cryptosystem Based on Commuting Permutations	Internet Security, Applied Mathematics	Master	Main Author
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2004

No	Title	Field	Thesis Level	Type
1	Product Manufacturing Problem Analysis system.	Manufacturing, Industrial Computing	Bachelor	Main Author

PUBLICATION - PROJECT PAPER

2023

No	Title	Start Date	Finish Date
1	DI-9: A Study on the State of Digital Healthcare amongst Malaysia's Senior Citizens	01/03/2023	31/03/2023

ACADEMIC RECOGNITION

INTERNAL / EXTERNAL EXAMINER

No	Level (Master / PHD)	Type of Examiner	Title	Level	Viva Date
1	Master	Research (Mixed Mode)	Design and Development of Network Architecture and Security Issues in Campus Network	UNIVERSITY	01/01/2020
2	Master	Research (Only)	An Assessment on Mobile Intrusions and Its Countermeasures	UNIVERSITY	05/01/2016
3	PHD	Research (Only)	Forensic Framework for Identity Theft Investigations	UNIVERSITY	05/01/2017
4	PHD	Research (Only)	Securing Internet of Things Sensor Node using Clustering Nodes Method	UNIVERSITY	05/01/2017
5		Course Work Mode	QTC: IIDS Based on Fuzzy Correlated Model for IOT	UNIVERSITY	11/01/2018
6	Master	Research (Mixed Mode)	An Assessment of e-Learning Readiness among students in a university	UNIVERSITY	13/08/2015
7	Master	Research (Mixed Mode)	Measuring User Awareness Towards Smartphone Security Threats to Data Security	UNIVERSITY	13/08/2015
8	Master	Research (Only)	Text Spam Messages Classification Inspired by Artificial Immune System (AIS) Algorithm	UNIVERSITY	14/04/2016
9	PHD	Research (Only)	Spatial Signature Method (SSM) of XML Signature with Performance Improvement and against Wrapping Attacks	UNIVERSITY	15/08/2018
10	Master	Research (Mixed Mode)	SECURITY REQUIREMENT MODEL FOR BYOD	UNIVERSITY	16/02/2016
11	Master	Research (Mixed Mode)	AN ENHANCED PACKET SANITIZATION FOR INFORMATION HIDING IN TCP/IP	UNIVERSITY	16/02/2016
12	Master	Research (Mixed Mode)	WSN KEY MANAGEMENT SECRECY TECHNIQUE USING LOCAL FM	UNIVERSITY	16/02/2016

			BROADCASTING		
13	Master	Research (Only)	Analysis and Modification of LBlock Block Cipher	UNIVERSITY	18/01/2016
14	PHD	Course Work Mode	ChoCD: Usable and Secure Graphical Password Authentication Scheme	UNIVERSITY	19/01/2017
15		Course Work Mode	Enhancement of K-Nearest Neighbourhood in Optimizing the Selection of Distribution Centre for Disaster Relief Operation	UNIVERSITY	20/10/2020
16	PHD	Research (Only)	A Dynamic Data Encoding and Hiding Method With Composite Checksum Value For DNA-Based Steganography	NATIONAL	25/08/2023
17	Master	Research (Only)	Correlated Node Behavior Modeling Using Fuzzy in Wireless Sensor Network	UNIVERSITY	27/06/2018
18		Research (Mixed Mode)	PHD re-QT: Social Engineering	UNIVERSITY	29/01/2018
19		Research (Mixed Mode)	Wireless Network Security in E-Healthcare Systems	UNIVERSITY	29/01/2018

REVIEWER

No	Article Title	Journal Name	Type of Reviewer	Impact Factor	Level	Year
1	New Polynomial for Linear Feedback Shift Register (LFSR) - Based A5/1 Stream Cipher	Colloquium for Postgraduate in Science and Technology (KOSIST'15)	Conference Paper Reviewer		UNIVERSITY	2015
2	A SYSTEMATIC REVIEW ANALYSIS FOR SCAM DETECTION & RESPONSE USING APOPTOSIS	Seminar Siswazah Fakulti Sains dan Teknologi 2016 (KOSIST'16)	Conference Paper Reviewer	0	UNIVERSITY	2016
3	A Systematic Review on Intrusion Prevention System (IPS) based on Bio-inspired Algorithm	Seminar Siswazah Fakulti Sains dan Teknologi 2016 (KOSIST'16)	Conference Paper Reviewer	0	UNIVERSITY	2016
4	Quranic Cross-Lingual Information Retrieval Optimization Using Hexadecimal Conversion Algorithm	Seminar Siswazah Fakulti Sains dan Teknologi 2016 (KOSIST'16)	Conference Paper Reviewer	0	UNIVERSITY	2016
5	Formulation of fuzzy correlated system for node behavior detection in WSN	Postgraduate Seminar of Science and Technology 2017 (KOSIST'17)	Conference Paper Reviewer		UNIVERSITY	2017
6	SQL Injection detection and prevention using signature based and sanitization	Postgraduate Seminar of Science and Technology 2017 (KOSIST'17)	Conference Paper Reviewer		UNIVERSITY	2017
7	Determination of the structural and Taxonomy of the	Postgraduate Seminar of Science and Technology 2017 (KOSIST'17)	Conference Paper Reviewer		UNIVERSITY	2017

	Used Approaches in Predicting Software Maintenance Efforts					
8	2017 Fifth International Conference on Internet Applications, Protocols and Services (NETAPPS)	Journal of Telecommunication, Electronic and Computer Engineering (JTEC)	Conference Paper Reviewer	0.112	INTERNATIONAL	2017
9	Final Report Grant Evaluator : Designing a New Model to Detect Worm Attacks in Cloud Computing Environment (Short Grant)	Designing a New Model to Detect Worm Attacks in Cloud Computing Environment (Short Grant)	Draft Technical Paper Review		UNIVERSITY	2017
10	An Expert System for Pneumococcal Prognosis	International Journal on Informatics Visualization(JOIV)	Journal Article Reviewer	0	NATIONAL	2018
11	Predicting Health State through Kohonen Network	International Journal on Informatics Visualization(JOIV)	Journal Article Reviewer	0	NATIONAL	2018
12	Review of SQL Injection : Problems and Prevention	International Journal on Informatics Visualization(JOIV)	Journal Article Reviewer	0	NATIONAL	2018
13	Data Protection in Cloud Storage Using Location-based Cryptography	International Postgraduate Colloquium 2018	Conference Paper Reviewer	0	UNIVERSITY	2018
14	Performance Analysis of a Supercapacitor for Transportation Industry"	The 4th International Conference on Electronic Design - Journal of Telecommunication, Electronic and Computer Engineering	Conference Paper Reviewer	0	NATIONAL	2018
15	Configurations of Memristor-Based APUF for Improved Performance and Resistance	The 4th International Conference on Electronic Design - Journal of Telecommunication, Electronic and Computer Engineering	Conference Paper Reviewer	0	NATIONAL	2018
16	Robust Steganography by Modifying Sign of DCT Coefficients	IEEE Access	Journal Article Reviewer	4.098	INTERNATIONAL	2019
17	Identifying Malicious Software Using Deep Residual Long Short Term Memory	IEEE Access	Journal Article Reviewer	4.098	INTERNATIONAL	2019
18	Android Encryption Database Forensic Analysis based on Reverse Engineering	IEEE Access	Journal Article Reviewer	4.098	INTERNATIONAL	2019
19	Autoencoder Neural Network Approach in Public Key Cryptography	Journal of Information and Communication Technology (JICT)	Journal Article Reviewer	0.9	INTERNATIONAL	2019
20	Tajuk-tajuk Pilihan Dalam Teknologi	Tajuk-tajuk Pilihan Dalam Teknologi Maklumat	Manuscript / Book Reviewer		NATIONAL	2019

	Maklumat (Koleksi 2)	(Koleksi 2) -Penerbit: UTHM				
21	Developing a New Model for Cyber Security Behavior of e-Hailing Services.	International Conference on Cybersecurity 2019 (ICoC2019)	Conference Paper Reviewer	0	INTERNATIONAL	2019
22	Malware Cyber Physical System (CPS) Classification Inspired by Phylogenetics	International Conference on Cybersecurity 2019 (ICoC2019)	Conference Paper Reviewer	0	INTERNATIONAL	2019
23	IoT and microservice architecture for multimobility in a smart city	The 7th International Conference on Future Internet of Things and Cloud	Conference Paper Reviewer		INTERNATIONAL	2019
24	Digital Watermarking for Lung and Brain Medical Image using Discrete Cosine Transform Technique	International Conference on Cybersecurity 2019 (ICoC2019)	Conference Paper Reviewer	0	INTERNATIONAL	2019
25	Tourism Information Accuracy Factors Identification using Grounded Theory	2nd International Conference on Recent Advancements in Science and Technology 2019	Conference Paper Reviewer		INTERNATIONAL	2019
26	A Systematic Literature Review on Information Security Risk Prediction Method in University Network	2nd International Conference on Recent Advancements in Science and Technology 2019	Conference Paper Reviewer		INTERNATIONAL	2019
27	Identification Of Information Security Threats Using Data Mining Approach In University Information System	2nd International Conference on Recent Advancements in Science and Technology 2019	Conference Paper Reviewer		INTERNATIONAL	2019
28	Forensic Recovery of SQL Server Database: a Practical Approach	IEEE Access	Journal Article Reviewer	3.745	INTERNATIONAL	2020
29	Network Forensic Analysis of Twitter Application on Android OS	IEEE Access	Journal Article Reviewer	3.745	INTERNATIONAL	2020
30	A Study on Android Malware Security: Issues, Detection, and Analysis	IEEE Access	Journal Article Reviewer	3.745	INTERNATIONAL	2020
31	Adaptive Audio Steganography Based on Improved Syndrome-Trellis Codes	IEEE Access	Journal Article Reviewer	3.745	INTERNATIONAL	2020
32	Android encryption database forensic analysis based on static analysis	IEEE Access	Journal Article Reviewer	3.745	INTERNATIONAL	2020
33	Grant Evaluator : Pembangunan Ensiklopedia Digital Solat	Laporan Geran Pembangunan Ensiklopedia Digital Solat	Draft Technical Paper Review		UNIVERSITY	2020

34	Feature Engineering and Its Evaluation for Detecting Android Malware using API calls and Permissions	IEEE Access	Journal Article Reviewer	3.745	INTERNATIONAL	2020
35	Intelligent Video Surveillance: Aggressive Movement Detection	Intelligent Video Surveillance: Aggressive Movement Detection	Manuscript / Book Reviewer		NATIONAL	2020
36	A Novel Rule-Based Mobile Application for Smishing Detection	IEEE Access	Journal Article Reviewer	3.367	INTERNATIONAL	2021
37	Analysis of Crypto Ransomware using ML-based Multi-level Profiling	IEEE Access	Journal Article Reviewer	3.367	INTERNATIONAL	2021
38	Learning to Generate Steganographic Cover for Audio Steganography using GAN	IEEE Access	Journal Article Reviewer	3.367	INTERNATIONAL	2021
39	Automated dynamic detection of ransomware using Augmented Bootstrapping	International Journal of Automation and Computing	Journal Article Reviewer	1.65	INTERNATIONAL	2021
40	Efficient Random Key Generation Protocol for Improving lifetime in Hierarchical Wireless Sensor Network	The 1st International Conference on Emerging Technology Trends in Internet of Things and Computing (TIOTC 2021)	Conference Paper Reviewer	0	INTERNATIONAL	2021
41	Applications of artificial intelligence to detect android botnets	IEEE Access	Journal Article Reviewer	3.476	INTERNATIONAL	2022
42	An Experimental Investigation of Text-based CAPTCHA Attacks and Their Robustness	ACM Computing Surveys	Journal Article Reviewer	14.324	INTERNATIONAL	2022
43	A Privacy Leak Detection Mechanism based on Service Binding	IEEE Transactions on Intelligent Transportation Systems	Journal Article Reviewer	9.551	INTERNATIONAL	2022
44	Integrating RC6 Stream Cipher to A Chaotic Synchronization System	IEEE Access	Journal Article Reviewer	3.9	INTERNATIONAL	2023
45	Extended-Chacha20 Stream Cipher with Enhanced Quarter Round Function	IEEE Access	Journal Article Reviewer	3.9	INTERNATIONAL	2023
46	Behavioural Reports of Multi-Stage Malware	IEEE TRANSACTIONS ON SUSTAINABLE COMPUTING	Journal Article Reviewer	4.908	INTERNATIONAL	2023
47	New Optimized	IEEE Access	Journal Article	3.9	INTERNATIONAL	2023

	Adaptive Time Series IDS Classifier Algorithm: Beyond Deep Learning		Reviewer		L	
48	Revisiting Lightweight Block Ciphers: Review, Taxonomy and Future Directions	Computer Science Review	Journal Article Reviewer	8.757	INTERNATIONAL	2023
49	Corn Yield Prediction using Spatial-Temporal Data and Deep Learning	2023 IEEE Symposium on Computers & Informatics (ISCI2023)	Conference Paper Reviewer	16.4	INTERNATIONAL	2023
50	Predicting University Student Graduation Using Academic Performance and Machine Learning: A Systematic Literature Review	IEEE Access	Journal Article Reviewer	3.9	INTERNATIONAL	2023

INVITED / KEYNOTED SPEAKER

No	Title	Conference Name	Level	Date
1	Penceramah Bengkel	Bengkel Penjadualan Pelajar Siswazah bagi A222	UNIVERSITY	01/02/2023 - 01/02/2023
2	Invited Speaker	Tech Tactics in Education	INTERNATIONAL	07/11/2023 - 09/11/2023
3	Penceramah Bengkel	Bengkel Penyeliaan Pengajian Siswazah Siri ke 2/2021.	UNIVERSITY	15/12/2021 - 15/12/2021
4	Penceramah Slot 3B	Bengkel "Towards Effective Supervision"		28/08/2018 - 28/08/2018
5	Invited Speaker	2nd International Conference on Recent Advancements in Science and Technology 2019	INTERNATIONAL	28/10/2019 - 30/10/2019

EDITORIAL BOARD

No	Editorial Name	Journal Name	Type of Editorial	Level	Year
1	Guest Editor	International Journal of Engineering and Technology (UAE)	Others	INTERNATIONAL	2018 - 2018

ACADEMIC RECOGNITION (OTHERS)

No	Organization	Award / Reward	Category of Position	Level	Date
1	Kementerian Pengajian Tinggi	Panel Penemuduga MyBrain Scholarship 2018	Academic Advisor	NATIONAL	16/04/2018 - 17/04/2018

CONTRIBUTION - USIM

2023

No	Name Of Activity	Position	Level	Date
1	Cybersecurity & Systems (CSS) Research Unit	SECRETARY	UNIVERSITY	01/01/2023 - 31/10/2024
2	Persatuan Kakitangan Akademik (PKA) USIM	MEMBERS	UNIVERSITY	01/01/2023 - 31/12/2023
3	Jawatankuasa Taskforce Penubuhan Fakulti Sains Komputer	MEMBERS	FACULTY	01/01/2023 - 31/12/2025
4	Penilaian Geran PRGS Peringkat Universiti 2023	Penilai Geran PRGS USIM 2023	UNIVERSITY	01/06/2023 - 31/08/2023
5	Pasukan Perunding Smart Direktori USIM	HEAD OF AJK	UNIVERSITY	01/08/2023 - 31/07/2024
6	Pembentangan Proposal Penyelidikan Siswazah Bagi Ujian Kelayakan (Qualifying Test) Fakulti Sains Teknologi	PENGERUSI - CHAIRMAN	FACULTY	01/12/2023 - 01/12/2023
7	Penilai Geran FRGS USIM	Panel Penilai Geran FRGS Universiti	UNIVERSITY	02/01/2023 - 29/02/2024
8	Penilaian Geran FRGS FST: A Resilient Framework for Malware Detection and Response using Phylogenetics and an Enhanced Deep Learning for Critical National Information Infrastructure (CNII)	Panel Penilai Geran FRGS Fakulti	FACULTY	04/12/2023 - 04/12/2023
9	Online Viva Session: Nur Syafiqah Bt Mohd Shamsuddin (3172548)	Faculty Representative	UNIVERSITY	13/01/2023 - 13/01/2023
10	Ahli Jawatankuasa International Conference on Recent Advancements in Science and Technology 2023 (ICORAST2023)	VICE CHAIRMAN	FACULTY	16/02/2023 - 31/12/2024
11	Sijil Pengajian Quran dan Sunnah (Pakej A 2023)	Participant	UNIVERSITY	18/02/2023 - 22/07/2023
12	Taskforce Semakan Kurikulum Fakulti - Sarjana Sains Komputer (Keselamatan dan Jaminan Maklumat)	AJK	FACULTY	18/09/2023 - 18/12/2023
13	Semakan Kurikulum Fakulti - Sarjana Muda Sains Komputer dengan Kepujian (Keselamatan dan Jaminan Maklumat)	AJK	FACULTY	22/08/2023 - 21/11/2023
14	Jaulah Sukarelawan USIM 2023 (Semarak Siswa MADANI): Daerah Rembau	Pegawai Pengiring	UNIVERSITY	22/10/2023 - 22/10/2023
15	Pembentangan Proposal Penyelidikan Siswazah Bagi Ujian Kelayakan (Qualifying Test) Fakulti Sains Teknologi	Panel	FACULTY	22/11/2023 - 22/11/2023
16	Lawatan Penilaian Akreditasi Penuh Program Sarjana Sains Sosial (MQA/FA10872)	Urusetia	UNIVERSITY	23/02/2023 - 24/02/2023
17	Laporan Akhir Geran INTERNET OF THINGS MECHANISM FOR SMART TEMPERATURE SCREENING	Panel Penilai Laporan Akhir Penyelidikan	UNIVERSITY	29/07/2023 - 29/07/2023
18	Kursus Pensijilan Profesional KPT-PACE Empowering Graduates with Power BI	Fasilitator	UNIVERSITY	31/05/2023 - 04/08/2023

2022

No	Name Of Activity	Position	Level	Date
1	Graduate on Time (GOT) award for Abdul Alif bin Zakaria	Co Supervisor	UNIVERSITY	01/01/2022 - 12/12/2022
2	Kelab Kebajikan Pusat Pengajian Siswazah	PENGERUSI - CHAIRMAN	FACULTY	01/01/2022 - 31/12/2022
3	Pasukan Projek Kluster Sistem Maklumat Universiti (SMU)	KUMPULAN PENGGUNA PROJEK SMILES	UNIVERSITY	01/01/2022 - 31/12/2022
4	MICROSOFT LEARN FOR EDUCATORS USIM	Trainer MS Azure Fundamental	UNIVERSITY	01/06/2022 - 30/06/2022
5	Pembinaan Rubrik Penilaian Anugerah Tesis Integrasi Naqli Aqli dan Anugerah Imtiyaz USIM	Pakar Rujuk	UNIVERSITY	01/07/2022 - 31/08/2022
6	Jawatankuasa Penambahbaikan Skim Pegawai Perkhidmatan Pendidikan dan Guru Bahasa di USIM	MEMBERS	UNIVERSITY	01/08/2022 - 31/12/2022
7	PEMBENTANGAN PROPOSAL PENYELIDIKAN SISWAZAH BAGI UJIAN KELAYAKAN (QUALIFYING TEST) FAKULTI SAINS TEKNOLOGI	PENGERUSI - CHAIRMAN	FACULTY	05/07/2022 - 05/07/2022
8	Penggubal Pindaan Garis Panduan Pengurusan Pengajian Siswazah (G3PS) USIM	PANEL	UNIVERSITY	06/01/2022 - 31/12/2022
9	Jawatankuasa Penilaian Akreditasi Penuh Program Sarjana Sains Sosial dan Doktor Falsafah Sains Sosial	AJK	FACULTY	06/07/2022 - 31/12/2022
10	Supervisors Appreciation & Robing Ceremony (SARC) 2022	AJK	UNIVERSITY	10/11/2022 - 12/12/2022
11	Penggubal Pindaan Garis Panduan Penyeliaan Siswazah USIM	PANEL	UNIVERSITY	11/04/2022 - 31/10/2022
12	Jawatankuasa Bertindak (Taskforce) Pengumpulan Data MYRA 2021	AJK	UNIVERSITY	12/01/2022 - 31/12/2022
13	Jawatankuasa Majlis Pertandingan Three Minute Thesis® (3MT -Bahasa Melayu Dan Bahasa Inggeris) & Five Minute Thesis® (5MT - Bahasa Arab) Peringkat Universiti Sains Islam Malaysia Bagi Tahun 2022	PENGERUSI - CHAIRMAN	UNIVERSITY	14/03/2022 - 31/08/2022
14	Sesi Pitching dan Promosi kepada Penerima HLP Tahun 2022	Petugas Promosi	NATIONAL	19/12/2022 - 20/01/2023
15	Task Force Khas Pembangunan Instrumen Penilaian Penyelia Peringkat Siswazah Universiti Sains Islam Malaysia (USIM)	AJK	UNIVERSITY	21/02/2022 - 31/12/2022
16	Jawatankuasa Penilaian bagi Perolehan Perkhidmatan Kepakaran daripada Kalangan Bukan Pegawai Awam dalam Program Rasmi Kerajaan	PENGERUSI - CHAIRMAN	FACULTY	25/01/2022 - 31/12/2022
17	Geran Penyelidikan DANA KPT Skim FRGS 2022	Panel Penilai	UNIVERSITY	27/07/2022 - 30/09/2022

2021

No	Name Of Activity	Position	Level	Date
1	Graduate Student Society (GSS)	ADVISOR	UNIVERSITY	01/01/2021 -

				31/12/2023
2	Ahli Jawatankuasa Bertindak (Taskforce) Pengurusan Data dan Perancangan Strategik bagi Pengiktirafan USIM	HEAD OF AJK	UNIVERSITY	01/02/2021 - 31/12/2021
3	Sekretariat Academy of Sciences Malaysia (Information Technology and Computer Science Discipline)	AJK	UNIVERSITY	01/11/2021 - 31/12/2023
4	Supervisor Appreciation and Robing Ceremony (SARC) 2021	AJK	UNIVERSITY	05/11/2021 - 22/11/2021
5	Jawatan Kuasa Pertandingan 3 Minute Thesis USIM 2021	PENGERUSI - CHAIRMAN	UNIVERSITY	19/04/2021 - 09/06/2021

2020

No	Name Of Activity	Position	Level	Date
1	Pelaporan Akhir Penerima Skim Bantuan Kewangan Siswazah (PhD)	Panel Pelaporan Akhir Penerima Skim Bantuan Kewangan Siswazah (PhD)	UNIVERSITY	02/04/2020 - 02/04/2020
2	Taskforce Penyediaan Dokumen Pelan Strategik ICT (ISP) 2021-2025 USIM	MEMBERS	UNIVERSITY	04/03/2020 - 31/12/2020
3	Kuala Lumpur Standard Chartered Marathon Virtual Run 5km	Participant	NATIONAL	05/12/2020 - 13/12/2020
4	Ahli Jawatankuasa Penganjuran Mesyuarat Majlis Dekan Pengajian Siswazah (MDPS) Universiti Awam ke 60	AJK	NATIONAL	09/09/2020 - 30/09/2020
5	ICEPS16 Virtual Run 7km	Participant	UNIVERSITY	09/12/2020 - 09/01/2021
6	Online Viva Session for Siti Nor Amira Binti Mohamad (4150251)	PENGERUSI - CHAIRMAN	UNIVERSITY	13/05/2020 - 15/05/2020
7	Penilai Geran Penyelidikan Universiti : E-BUSINESS PLATFORM FOR MICRO AND SMALL ENTREPRENEURS USING TELEGRAM INSTANT MESSENGER BOTS	Panel Penilai Geran Penyelidikan Universiti	UNIVERSITY	13/05/2020 - 22/05/2020
8	Panel Penilai Geran Penyelidikan Universiti : MOBILE THERMAL DETECTION USING ARTIFICIAL INTELLIGENCE (AI) ALGORITHM FOR TEMPERATURE SCREENING PROCESS WITH THE COMBINATION WITH INFRARED THERMAL CAMERA DEVICE	Panel Penilai Geran Penyelidikan Universiti	UNIVERSITY	13/05/2020 - 22/05/2020
9	Online Viva Voce Session: Ma'moun Abdullah Ali Al-Smadi (4120109)	PENGERUSI - CHAIRMAN	UNIVERSITY	13/10/2020 - 20/10/2020
10	Modul Kursus TST1024 - Pengkomputer II di Pusat Tamhidi USIM	Penulis Modul	UNIVERSITY	14/12/2020 - 30/06/2021
11	Peperiksaan Akhir Semester I, Sesi Akademik 2019/2020	Ketua Pengawas Peperiksaan	UNIVERSITY	17/01/2020 - 17/01/2020
12	Program Tutelage	Academic Advisor	UNIVERSITY	22/09/2020 - 31/12/2024
13	Online Viva Voce Session: Khairunnisa binti Abd Samad(4160095)	PENGERUSI - CHAIRMAN	UNIVERSITY	24/11/2020 - 09/12/2020
14	Pembangunan Ensiklopedia Digital Solat	Penilai Laporan Akhir Geran Penyelidikan USIM	UNIVERSITY	30/10/2020 - 06/11/2020

2019

No	Name Of Activity	Position	Level	Date
1	Ahli Jawatankuasa Teknikal ICT (JTICT)	AJK	UNIVERSITY	01/01/2019 - 31/07/2019
2	ICPC Malaysia al-Khawarizmi National Programming Contest 2019	Programming Coach Team 1	NATIONAL	01/02/2019 - 27/04/2019
3	ICPC Malaysia al-Khawarizmi National Programming Contest 2019	Programming Coach Team 2	NATIONAL	01/02/2019 - 27/04/2019
4	Semakan Kursus Tamhidi	Penyedia Rangka Kursus Baharu Tamhidi	UNIVERSITY	08/04/2019 - 31/07/2019
5	Summer Program 2019 UIN Maulana Malik Ibrahim Malang	Pegawai Pengiring	INTERNATIONAL	08/07/2019 - 14/07/2019
6	2nd International Conference on Recent Advancements in Science and Technology (ICORAST2019)	AJK	FACULTY	11/02/2019 - 10/02/2020
7	Kejohanan Badminton USIM 2019	Pemain Badminton	UNIVERSITY	17/11/2019 - 17/11/2019
8	Pelajar Program ISA kohot sesi kemasukan 2017/2018	Penasihat Akademik	FACULTY	21/10/2019 - 31/10/2021
9	Pertandingan Three Minute Thesis (3MT) bagi wakil USIM	Pegawai Pengiring	NATIONAL	24/06/2019 - 25/06/2019
10	Pertandingan Pengaturcaraan ACM ICPC Malaysia Al-Khawarizmi 2019	Pegawai Pengiring	NATIONAL	26/04/2019 - 27/04/2019
11	Peperiksaan Akhir Sem II, 2018/2019	Pengawas Peperiksaan	UNIVERSITY	27/06/2019 - 27/06/2019
12	Penilaian Akhir Penerima Skim Bantuan Kewangan Siswazah (PhD)	Panel Penilai	UNIVERSITY	28/01/2019 - 28/01/2019
13	Pertandingan Pengaturcaraan dan Keselamatan Maklumat 2019 (Aturkreatif2019)	Penggubal Soalan Pengaturcaraan	FACULTY	30/03/2019 - 31/03/2019
14	Pertandingan Pengaturcaraan Sempena Pertandingan Pengaturcaraan dan Keselamatan Maklumat 2019 (Aturkreatif2019)	Panel Juri	FACULTY	30/03/2019 - 31/03/2019
15	Karnival Sukan Kakitangan Akademik Institut Pengajian Tinggi (KASKAIPT) 2019	Pemain Pingpong USIM	NATIONAL	30/10/2019 - 30/10/2019

2018

No	Name Of Activity	Position	Level	Date
1	Penyelidik Tetap Unit CyberSecurity and Systems (CSS)	MEMBERS	UNIVERSITY	01/05/2018 - 30/04/2020
2	USIM International Carnival (UIC2018)	SECRETARIAT	UNIVERSITY	01/09/2018 - 02/10/2018
3	Ahli Jawatankuasa Semakan Peraturan Universiti Sains Islam Malaysia (Pengajian Siswazah)	AJK	UNIVERSITY	01/11/2018 - 01/10/2019
4	USIM International Carnival (UIC2018)	MODERATOR	NATIONAL	02/10/2018 - 02/10/2018

5	Hari Pendaftaran Siswazah	Petugas	UNIVERSITY	04/09/2018 - 04/09/2018
6	Pertandingan Pengaturcaraan dan Keselamatan Maklumat 2018 (ATURKREATIF) Internal	Juri	FACULTY	14/04/2018 - 14/04/2018
7	Pertandingan Pengaturcaraan dan Keselamatan Maklumat 2018 (ATURKREATIF) External	Juri	UNIVERSITY	15/04/2018 - 15/04/2018
8	Saringan 8th Exposition on Islamic Innovation (i-INOVA18)	Penilai	FACULTY	21/02/2018 - 21/02/2018
9	Supervisor Appreciation and Robing Ceremony (SARC) 2018	COMMITTEE MEMBERS	UNIVERSITY	26/11/2018 - 26/11/2018
10	AHLI JAWATANKUASA SEBUTHARGA USIM	AJK	UNIVERSITY	31/05/2018 - 31/12/2020

2017

No	Name Of Activity	Position	Level	Date
1	Ahli Jawatankuasa Teknikal ICT (JTICT) USIM	AJK	UNIVERSITY	01/05/2017 - 31/07/2019
2	Kolokium Siswazah Fakulti Sains dan Teknologi (KOSIST'2017)	Juri	FACULTY	24/10/2017 - 24/10/2017
3	Group Flexible Education in Bengkel Foresight USIm 2035	MEMBERS	UNIVERSITY	27/11/2017 - 31/03/2020

2016

No	Name Of Activity	Position	Level	Date
1	Kejohanan Badminton Tertutup USIM 2016 dan "Sharing Experience" bersama Ikon Badminton Dato' Seri Jalani bin Dato Haji Sidek. - (BadTourSE 2016)	VICE CHAIRMAN	UNIVERSITY	01/12/2016 - 17/12/2016
2	Kolokium Siswazah Fakulti Sains dan Teknologi (KOSIST'16)	PRESIDENT	FACULTY	02/02/2016 - 01/02/2017
3	Kejohanan Sukan Staf Antara Universiti (SUKUM) Kali ke 41, 2016	Pemain Badminton	NATIONAL	06/08/2016 - 13/08/2016
4	Pertandingan Pengaturcaraan dan Multimedia 2016 (Aturkreatif'16)	Juri Pertandingan Pengaturcaraan	FACULTY	07/05/2016 - 07/05/2016
5	Sukan Jabatan USIM 2016	Pengurus Pasukan Pingpong Gugusan A	UNIVERSITY	08/02/2016 - 02/03/2016
6	Pertandingan Pengaturcaraan dan Multimedia 2016 (Aturkreatif'16)	Juri Pertandingan Pengaturcaraan Kategori Terbuka	NATIONAL	08/05/2016 - 08/05/2016
7	Seminar dan Pameran Produk Kreatif (SPARK) 2016	Panel juri	UNIVERSITY	11/05/2016 - 11/05/2016
8	Sukan Fakulti (SUFA) USIM 2016	Pengadil	UNIVERSITY	12/03/2016 - 12/03/2016
9	Kejohanan Badminton Tertutup USIM 2016 dan "Sharing Experience" bersama Ikon Badminton Dato' Seri Jalani bin Dato Haji Sidek. - (BadTourSE 2016)	Pengadil	UNIVERSITY	17/12/2016 - 17/12/2016

10	Trainers of trainers - Bengkel Massive Open Online Course (MOOC)	Wakil fakulti	UNIVERSITY	21/03/2016 - 23/03/2016
11	Sukan Jabatan USIM 2016	Pelari 4x400m Gugusan A	UNIVERSITY	22/02/2016 - 02/03/2016
12	Sukan Jabatan USIM 2016	Pemain Pingpong Gugusan A	UNIVERSITY	22/02/2016 - 02/03/2016
13	Sukan Jabatan USIM 2016	Pemain Badminton Gugusan A	UNIVERSITY	22/02/2016 - 02/03/2016
14	Sukan Jabatan USIM 2016	Pemain Bola Tampar Gugusan A	UNIVERSITY	22/02/2016 - 02/03/2016
15	Jawatankuasa Khas Mengkaji Permasalahan Berkaitan Penyelidikan dan Inovasi Fakulti Sains dan Teknologi (FST)	SECRETARY	FACULTY	27/12/2016 - 27/12/2016
16	Jawatankuasa Induk International Conference on Recent Advancements in Science and Technology (I'CORAST2017)	PRESIDENT	FACULTY	29/12/2016 - 31/12/2017

2015

No	Name Of Activity	Position	Level	Date
1	Kejohanan Badminton Tertutup USIM 2015 dan Knowledge Sharing bersama Roslin Hashim dan Zakry Latif	VICE CHAIRMAN	UNIVERSITY	01/10/2015 - 13/12/2015
2	AHLI JAWATANKUASA SEBUTHARGA USIM PTJ: FST	SECRETARY	FACULTY	03/04/2015 - 30/11/2020
3	Seminar & Pameran Produk Kreatif (SPARK 2015)	Juri ICT	UNIVERSITY	09/05/2015 - 09/05/2015
4	FIT Usim Charity Run 2015	Peserta	UNIVERSITY	12/09/2015 - 12/09/2015
5	Bengkel Latex Anjuran FST Colloquium (KOSIST"15)	INSTRUCTOR	UNIVERSITY	13/10/2015 - 13/10/2015
6	Kejohanan Badminton Tertutup USIM 2015 dan Knowledge Sharing Bersama Roslin Hashim dan Zakry Latif	VICE CHAIRMAN	UNIVERSITY	13/12/2015 - 13/12/2015
7	Kejohanan Sukan Staf Antara Universiti (SUKUM) Kali ke 40, 2015	Pemain Badminton	NATIONAL	17/08/2015 - 20/08/2015
8	Kejohanan Sukan Staf Antara Jabatan 2015	Pemain PingPong	UNIVERSITY	18/05/2015 - 21/05/2015
9	Kejohanan Sukan Staf Antara Jabatan 2015	Pemain Badminton	UNIVERSITY	18/05/2015 - 21/05/2015
10	Aturkreatif"15	SECRETARY	FACULTY	26/04/2015 - 26/04/2015

2014

No	Name Of Activity	Position	Level	Date
1	Kejohanan Sukan Staf Antara Universiti (SUKUM) Kali ke 39, 2014	Pemain Badminton	NATIONAL	01/08/2014 - 18/12/2014
2	JAWATANKUASA INDUK KUALITI DAN INOVASI	SECRETARY	FACULTY	05/08/2014 - 05/05/2015

3	Pembentangan Laporan Kemajuan Sarjana Sains Komputer (Keselamatan dan Jaminan Maklumat) FST	Panel Penilai	FACULTY	06/06/2014 - 06/06/2014
4	Pembentangan Penyelidikan (Proposal Defence) Pelajar Pascasiswazah FST	Panel Penilai	FACULTY	09/06/2014 - 09/06/2014
5	Jawatan Kuasa Pelaksana Cenderamata & Sijil I-Inova14	PENOLONG KETUA JK	INTERNATIONAL	28/03/2014 - 28/11/2014

2013

No	Name Of Activity	Position	Level	Date
1	Kejohanan Sukan Staf Antara Universiti (SUKUM) Kali ke 38, 2013	Pemain PingPong	UNIVERSITY	02/11/2013 - 10/11/2013
2	Kejohanan Sukan Staf Antara Universiti (SUKUM) Kali ke 38, 2013	Pemain Bola Tampar	UNIVERSITY	02/11/2013 - 10/11/2013
3	Majlis Perasmian Sambutan FST 10 Tahun	SECRETARY	FACULTY	02/12/2013 - 02/12/2013
4	Ekspo Inovasi Islam 2013 (i-Inova"13) - Jawatankuasa Penyertaan	SECRETARY	NATIONAL	30/08/2013 - 27/10/2013

CONTRIBUTION - MEMBERS OF COMMUNITY COMMITTEE / ORGANISATION

2016

No	Name Of Activity	Position	Level	Date
1	MALAYSIAN SOCIETY FOR CRYPTOLOGY RESEARCH (MSCR) (0353-07-SEL)	MEMBERS	NATIONAL	24/09/2016 - 31/12/2020

CONTRIBUTION - COMMUNITY ENGAGEMENT

2023

No	Organization	Position	Level
1	Program Cyber Hasanat untuk Remaja Taman Dahlia, BBST	MEMBERS	National
2	Jaulah Sukarelawan USIM 2023 (Semarak Siswa MADANI): Daerah Rembau	PEGAWAI PENGIRING	University

2020

No	Organization	Position	Level
1	MAJLIS AKADEMIK PERSATUAN PENGGUNA SIBER MALAYSIA (MCCA)	AHLI PENASIHAT AKADEMIK	National

2018

No	Organization	Position	Level
1	Jom Kurus 1 Malaysia 2018 Musim ke 10	MEMBERS	National
2	4km FunRun USIM International Carnival 2018	PARTICIPANT	University

3	Hiking Hallasan	PARTICIPANT	International
4	GISO Karimun, Indonesia	PENGIRING	International

2016

No	Organization	Position	Level
1	Kejohanan Badminton Tertutup USIM 2016 dan "Sharing Experience" bersama Ikon Badminton Dato' Seri Jalani bin Dato Haji Sidek. - (BadTourSE 2016)	HEAD OF AJK	University
2	3 km finisher Diva 2016 Pinktober Virtual Run	MEMBERS	National

2015

No	Organization	Position	Level
1	Program Pengembaraan USIM Global Islamic Students Outreach 2015: " Chingu: Menjalin Persahabatan Dua Negara" - KOREA	PEGAWAI PENGIRING	International

CONSULTATION

No	Title	Level	Date
1	PASUKAN TEKNIKAL TASK FORCE DISASTER RECOVERY CENTER	UNIVERSITY	01/03/2018 - 28/02/2020
2	JOINT USER REQUIREMENTS GATHERING AND INTERFACE DESIGN OF IPPS SYSTEM	NATIONAL	01/08/2015 - 31/01/2017
3	AHLI PERUNDING BAGI KERJA-KERJA PENGATURCARAAN SISTEM KIPLEPAY	NATIONAL	01/09/2019 - 31/03/2020
4	PENYUNTING PENAMBAHBAIK MODUL BAGI RESEARCH METHODOLOGY	UNIVERSITY	01/12/2014 - 30/12/2014
5	PEMERIKSA SOALAN PEPERIKSAAN SEMESTER PROGRAM MATRIKULASI (PSPM) MATA PELAJARAN SAINS KOMPUTER	NATIONAL	11/11/2015 - 16/11/2015
6	PENGGUBAL SOALAN SAINS KOMPUTER SEMESTER II (SCS015)	NATIONAL	12/01/2018 - 05/02/2018
7	PENTAKSIR SOALAN SAINS KOMPUTER	NATIONAL	12/02/2018 - 15/02/2018
8	PEMERIKSA SKRIP JAWAPAN SAINS KOMPUTER (SC025)	INTERNATIONAL	12/05/2017 - 17/05/2017
9	TENAGA PENGAJAR SAMBILAN PUSAT PEMBANGUNAN KEMAHIRAN INSANIAH (PPKI) USIM	UNIVERSITY	13/02/2014 - 01/09/2014
10	PENGGUBAL SOALAN PENGATURCARAAN SEMPENA PERTANDINGAN PENGATURCARAAN DAN MULTIMEDIA (ATURKREATIF'16)	UNIVERSITY	22/04/2016 - 07/05/2016
11	PANEL PENILAI PROGRAM BACHELOR OF SCIENCE (HONS) COMPUTATIONAL MATHEMATICS (CS227/247)	NATIONAL	24/01/2018 - 01/02/2018
12	PEMERIKSA SOALAN PEPERIKSAAN SEMESTER PROGRAM MATRIKULASI (PSPM) MATA PELAJARAN SAINS KOMPUTER	NATIONAL	24/11/2016 - 29/11/2016
13	PEMERIKSA SOALAN PEPERIKSAAN SEMESTER PROGRAM MATRIKULASI (PSPM) MATA PELAJARAN SAINS KOMPUTER	NATIONAL	29/04/2015 - 04/05/2015

14	PENGGUBAL SOALAN SAINS KOMPUTER SEMESTER II SC025	NATIONAL	29/10/2015 - 25/01/2016
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ADMINISTRATION TASK

No	Position	Level	Date
1	Penyelaras Unit Peperiksaan , Pusat Pengajian Siswazah	UNIVERSITY	01/10/2017 - 30/09/2020
2	Mentor Program Menggapai Bintang 2017	FACULTY	08/05/2017 - 07/05/2018
3	Ahli Mesyuarat Majlis Dekan Pengajian Siswazah (MDPS) IPTA Kali ke 50	INTERNATIONAL	13/11/2017 - 14/11/2017
4	Pegawai Pengiring JuruAudit	UNIVERSITY	09/03/2020 - 20/03/2020
5	Timbalan Dekan Pusat Pengajian Siswazah	UNIVERSITY	01/01/2021 - 31/12/2022
6	Representative of Dean/Faculty for VIVA-Voce for Daw Abdulsalam Ali Daw	UNIVERSITY	29/09/2015 - 29/09/2015
7	Panel Penilai Pembentangan Penyelidikan (Proposal Defence) Pelajar Pascasiswazah FST	FACULTY	18/12/2015 - 13/01/2016
8	Felo Penyelidik Bersekutu Institut Sains Islam (ISI)	UNIVERSITY	01/10/2015 - 30/09/2016
9	Representative of Dean/Faculty for VIVA-Voce for Daw Abdulsalam Ali Daw	FACULTY	26/01/2016 - 26/01/2016

PROFESIONAL MEMBERSHIP

No	Name of Membership	Organization	Field	Date
1	IEEE	IEEE COMPUTER SOCIETY	Computer	01/01/2023
2	IEEE Malaysia Section	IEEE COMPUTER SOCIETY	Computer Science	01/01/2019
3	IEEE	IEEE COMPUTER SOCIETY	Computer	01/01/2022
4	IEEE	IEEE COMPUTER SOCIETY	Computer, IT	01/01/2020
5	IAENG	International Association of Engineers (IAENG)	Engineering and Computer Science	23/06/2014
6	Ahli (0092)	MALAYSIAN SOCIETY FOR CRYPTOLOGY RESEARCH	Cryptography	01/01/2023
7	Certified Secure Application Professional (CSAP)	Global ACE Scheme CyberSecurity Malaysia	Security	10/01/2019
8	Member	Malaysian Society for Cryptology Research	Cryptology	01/01/2017
9	Certified Ethereum and Solidity Practitioner	IExploTech	Computer Science	07/05/2019
10	Certified Penetration Tester (CPT)	Global Ace Scheme CyberSecurity Malaysia (CSM)	Comp Sc Security	16/01/2020
11	Ahli Bersekutu	Majlis Profesor Negara	Teknologi Maklumat	26/08/2022

RESEARCH AWARD

No	Title of Award	Type of Award	Exhibition Name	Level	Date
1	Secure Cybercitizenship (SET)	Emas Dan Setara	Malaysia Technology Expo (MTE) 2023	Antarabangsa	16/03/2023-18/03/2023
2	SAKTI: Secure Chat-Box	Emas Dan Setara	SCIENCE AND TECHNOLOGY RESERACH EXPO (SCITEX@20TH FST)	Universiti	19/12/2023-20/12/2023
3	EZCERT	Emas Dan Setara	25TH INTERNATIONAL INVENTION , INNOVATION & TECHNOLOGY EXHIBITION (ITEX 2014)	Antarabangsa	08/05/2014-10/05/2014
4	SAKTI: SECURE APP FOR ENKRIPTING TEXT INFORMATION	Emas Dan Setara	INNOVATION BANK CHALLENGE (IBC 2022)	Universiti	06/09/2022-07/09/2022
5	CYBERPOLY: Cybersecurity Edugame	Emas Dan Setara	Persidangan dan Ekspo Ciptaan Institusi Pengajian Tinggi Antarabangsa (PECIPTA22)	Antarabangsa	01/11/2022-03/11/2022
6	SAKTI: Secure App for enKripting Text Information	Emas Dan Setara	Persidangan dan Ekspo Ciptaan Institusi Pengajian Tinggi Antarabangsa (PECIPTA22)	Antarabangsa	01/11/2022-03/11/2022
7	Supporting eLearning through centralized integrated portal postgraduate system (Ipps)	Emas Dan Setara	INTERNATIONAL UNIVERSITY CARNIVAL ON E-LEARNING (IUCEL 2017)	Universiti	26/09/2017-27/09/2017
8	COVER-SELECTION-BASED AUDIO STEGANOGRAPHY (CAS) BASED ON Least SIGNIFICANT BIT (LSB) FOR BALANCED PERFORMANCE	Emas Dan Setara	INNOVATION BANK CHALLENGE (IBC 2022)	Universiti	06/09/2022-07/09/2022
9	SUPPORTING ELEARNING THROUGH CENTRALIZED INTEGRATED PORTAL POSTGRADUATE SYSTEM (IPPS)	Emas Dan Setara	INTERNATIONAL UNIVERSITY CARNIVAL ON E-LEARNING (IUCEL 2017)	Antarabangsa	26/09/2017-27/09/2017
10	SAKTI: Secure App for Enkrypting Text Information	Emas Dan Setara	Defence, Security and Sustainability Exhibition 2022 (DSS) National Defence University of Malaysia	Kebangsaan	03/08/2022-04/08/2022
11	Development of Secure Lightweight Block Cipher Based on 3D Rotation Method for Data Protection on Mobile Application	Emas Dan Setara	INNOVATION BANK CHALLENGE (IBC 2022)	Universiti	06/09/2022-07/09/2022
12	SWINDLERT: MOBILE GAMIFICATION USING AUGMENTED REALITY FOR CYBERCRIME EDUTAINMENT	Emas Dan Anugerah Tambahan	The International E-Content Development Competition 2023 (eCONDEV 2023)	Antarabangsa	22/08/2023-24/08/2023
13	Q-Checked	Perak Dan Setara	EKSPLO INOVASI ISLAM 1438H (i-INOVA16)	Universiti	08/11/2016-09/11/2016
14	SAKTI-Chatbox	Perak Dan Setara	Malaysia Technology Expo (MTE) 2023	Antarabangsa	16/03/2023-18/03/2023

15	SECURE CYBERCITIZENSHIP (SET)	Perak Dan Setara	VIRTUAL INNOVATION CEMPETITION 2023	Kebangsaan	07/06/2023-07/06/2023
16	IMREADY	Perak Dan Setara	International Invention, Innovation & Technology Exhibition	Antarabangsa	12/05/2016-14/05/2016
17	CYBERPOLY: CYBERSECURITY EDUGAME	Perak Dan Setara	INNOVATION BANK CHALLENGE (IBC 2022)	Universiti	06/09/2022-07/09/2022
18	IM READY	Perak Dan Setara	27TH INTERNATIONAL INVENTION & INNOVATION EXHIBITION 2016 (ITEX 2016)	Antarabangsa	12/05/2016-14/05/2016
19	SAKTI	Perak Dan Setara	33RD INTERNATIONAL INVENTION, INNOVATION & TECHNOLOGY EXHIBITION, MALAYSIA (ITEX'22)	Antarabangsa	26/05/2022-27/05/2022
20	CYBERLAW ALMANAC	Perak Dan Setara	THE VIRTUAL INTERNATIONAL E-CONTENT DEVELOPMENT COMPETITION 2021 (ECONDEV)	Antarabangsa	20/08/2021-27/08/2021
21	SWINDLERT: Mobile Gamification using Augmented Reality for Cybercrime Edutainment	Perak Dan Setara	International University Carnival On E-Learning (IUCEL 2023)	Antarabangsa	25/09/2023-26/09/2023
22	SWINDLERT	Gangsa Dan Setara	Malaysia Technology Expo (MTE) 2023	Antarabangsa	16/03/2023-18/03/2023
23	CYBERPOLY: MOBILE GAMIFICATION FOR SECURITY AWARENESS CAMPAIGN	Gangsa Dan Setara	MALAYSIA TECHNOLOGY EXPO 2022	Antarabangsa	21/03/2022-25/03/2022
24	EZCERT 2.0	Gangsa Dan Setara	Pertandingan Ekspo Ciptaan Institusi Pengajian Tinggi dan Antarabangsa (PECIPTA) 2015	Antarabangsa	04/12/2015-06/12/2015
25	STADIR : STATIC DYNAMIC INCIDENT RESPONSE MALWARE DATASET MODEL	Gangsa Dan Setara	4TH EXPOSITION ON ISLAMIC INNOVATION 2013 (I-INOVA"13)	Kebangsaan	25/10/2013-27/10/2013
26	DASHBOARD MONITORING SYSTEM (DMS) FOR POSTGRADUATE STUDY	Gangsa Dan Setara	INTERNATIONAL UNIVERSITY CARNIVAL ON E-LEARNING (IUCEL) 2019	Antarabangsa	21/08/2019-22/08/2019
27	MOBAS: MOBILE BARCODE SCANNER BASED ATTENDANCE SYSTEM FOR EDUCATION 4.0	Gangsa Dan Setara	INTERNATIONAL UNIVERSITY CARNIVAL ON E-LEARNING (IUCEL) 2019	Antarabangsa	21/08/2019-22/08/2019
28	CYBER HASANAT: RESILIENT COMMUNITY VIA SECURE CYBERCITIZENSHIP BOARD GAME	Gangsa Dan Setara	Pertandingan Inovasi Pengajaran dan Pembelajaran (kNovasi) 2023	Kebangsaan	06/09/2023-07/09/2023
29	NEXT-GEN SECURITY OPERATIONS CENTER (NGSOC) MANAGEMENT PROCEDURE IN SECURITY OPERATIONS CENTRE (SOC) FROM TECHNOLOGY PERSPECTIVE	Gangsa Dan Setara	INNOVATION BANK CHALLENGE 2023 (IBC2023)	Universiti	24/10/2023-24/10/2023
30	UTILIZING MULTI-CHARACTERISTIC-BASED	Gangsa Dan Setara	FINAL YEAR PROJECT & POSTGRADUATE:	Universiti	23/07/2022-23/07/2022

	COVER AUDIO SELECTION (MCAS) FOR SECURE COMMUNICATION		RESEARCH & INNOVATION POSTER COMPETITION (RIPC) SERIES 2/2022		
31	TOP 100 RESEARCHERS USIM (2013-2017)	Sijil Penghargaan Sahaja	TOP 100 RESEARCHERS	Universiti	14/05/2018-14/05/2018
32	A Method of Cover Audio Selection for Embedding Based on Various Criteria	Best Paper Award	International Conference on Advances in Machine Intelligence and Cybersecurity Technologies (AMICT)	Antarabangsa	11/12/2023-12/12/2023

AWARD

No	Name Of Award	Organization	Date
1	Vice Chancellor Award in the UTM 36th Convocation	Universiti Teknologi Malaysia	25/03/2006
2	Anugerah Kecemerlangan Penyelidikan 2014 - EZCERT	Universiti Sains Islam Malaysia	02/10/2015
3	Certified Rapidminer Analyst	Rapidminer	19/11/2015
4	ANUGERAH PENSYARAH AKTIF	USIM	25/03/2016
5	USIM TOP 100 Researchers (2013-2017)	USIM	14/05/2018
6	Anugerah Perkhidmatan Cemerlang 2017	USIM	30/08/2018
7	Silver Award	The Virtual International e-Content Development Competition 2021	20/08/2021
8	Anugerah Perkhidmatan Setia	USIM	30/09/2022
9	Staf Contoh Pusat Pengajian Siswazah Bulan Januari 2022	Pusat Pengajian Siswazah	31/01/2022