



PERSONAL DETAIL

Name	PROF. MADYA DR. AZNI HASLIZAN BINTI AB HALIM
Designation	PENSYARAH UNIVERSITI DS54
Faculty	FACULTY OF SCIENCE AND TECHNOLOGY
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ACADEMIC QUALIFICATION

No	Year	Qualification	Institution	Field
1	2014	PhD	UNIVERSITI TEKNIKAL MALAYSIA MELAKA	COMPUTER SCIENCE
2	2002	Master	QUEENSLAND UNIVERSITY OF TECHNOLOGY,AUSTRALIA	DIGITAL COMMUNICATION
3	1998	Bachelor	BRADLEY UNIVERSITY ILLINOIS, USA	SISTEM TEKNOLOGI MAKLUMAT

TEACHING

MASTER / PHD

No	Code Subject	Subject	Start Year	End Year
1	SKJ8003	APPLIED CRYPTOGRAPHY	2014	2023
2	SZ80218	THESIS II	2014	2017
3	GAW8023	DATA ANALYSIS	2017	2017
4	GAA8013	RESEARCH METHODOLOGY	2019	2019
5	GAA8023	DATA ANALYSIS	2019	2019

DEGREE

No	Code Subject	Subject	Start Year	End Year
1	UTA1082	INFORMATION AND COMMUNICATION TECHNOLOGY	2007	2010
2	UTA1072	INTRODUCTION TO COMPUTER SCIENCES	2008	2010
3	SKJ4543	WIRELESS TELECOMMUNICATION SECURITY	2008	2009
4	SKJ1013	JAVA PROGRAMMING	2014	2014
5	SKJ3053	COMPUTER ARCHITECTURE	2014	2015
6	SKS1362	INFORMATION AND COMMUNICATION TECHNOLOGY	2014	2015
7	SKJ4143	CRYPTOGRAPHY AND APPLICATION	2015	2024
8	SKJ4223	E-COMMERCE SECURITY MANAGEMENT	2015	2023
9	SKJ3353	DATA PROTECTION AND PRIVACY	2024	2024

INTERNAL SUPERVISION
PHD

No	Matric No	Student Name	Type of Supervisor	Start Year	End Year
1	4140056	MOHYA'ADEAN ATIYA SALEM MOUSA	Member of Supervisory Committee	2014	2015
2	4140192	ROSSLY BIN SALLEH	Main Supervisor	2015	2022
3	4140239	NASER MARWAN A.RAZZAQ (OSHROK LABAN)	Co-Supervisor	2015	2015
4	4150221	HAMAD AHMED ABDULJABBAR HAMAD	Co-Supervisor	2016	2022
5	4150225	KALID ABDLKADER MARSAL SALIH	Main Supervisor	2016	2022
6	4150226	MOHD ILIAS M SHUHUD	Co-Supervisor	2016	2022
7	4150249	ABDUL FUAD ABDUL RAHMAN	Main Supervisor	2016	2023
8	4160175	MUHAMMAD FAHIM BIN ROSLAN	Member of Supervisory Committee	2016	2024
9	4160270	TASNUVA ALI	Main Supervisor	2017	2024
10	4171001	MUJAHID TABASSUM	Co-Supervisor	2017	2024
11	4171038	SUMAIYA DEEN MUHAMMAD	Chairman of Supervisory Committee	2017	2022
12	4192573	ABDUL ALIF BIN ZAKARIA	Chairman of Supervisory Committee	2020	2022
13	4192744	NIK AZURA NIK ABDULLAH	Co-Supervisor	2020	2024
14	4231248	ROZLINDA BINTI RADZALI	Chairman of Supervisory Committee	2022	2024

MASTER

No	Matric No	Student Name	Type of Supervisor	Start Year	End Year
1	3130057	SANAA ABDOUSSALAM AMMAR ENNAJEH	Main Supervisor	2014	2016
2	3130126	RABIA FARG MOHAMED ALLABIEDE	Main Supervisor	2014	2016
3	3160128	NOOR SHAHIDAH BINTI ISHAK	Main Supervisor	2016	2022
4	3201278	SAKIINAH BINTI ALTAF HUSSAIN	Main Supervisor	2020	2024

INTERNAL RESEARCH

No	Title	Grant	Role	Date
1	COMPARISON STUDY BETWEEN EXPECTATION & EXPERIENCE OF ICT PROVISION IN UNIVERSITY	Geran Penyelidikan Pantas Bawah Setahun	Co-Researcher	01/09/2009 - 14/10/2010
2	An Enhancement of correlated clustering approach for	Geran KPT	Main	01/12/2014 -

	improving wireless adhoc network performance.		Researcher	22/03/2019
3	A New Integrated Postgraduate Student Systems Development	Geran Penyelidikan Khas	Co-Researcher	25/08/2015 - 23/03/2017
4	A new cryptography algorithm derived from Quranic maqamat for preventing accoustic attacks.	Geran KPT	Co-Researcher	04/01/2016 - 19/06/2020
5	EVOLUTIONARY MULTI-OBJECTIVE OPTIMIZATION FOR COVER AUDIO SELECTION IN AUDIO STEGANOGRAPHY	Geran KPT	Co-Researcher	15/08/2017 - 08/12/2020
6	DYNAMIC S-BOX USING AFFINE TRANSFORMATION TO INCREASE THE SECURITY OF ENCRYPTION	Geran Penyelidikan USIM	Co-Researcher	22/10/2018 - 27/12/2022
7	LIGHTWEIGHT CRYPTOSYSTEM BY ADOPTING THE 3D FEATURE	Geran KPT	Main Researcher	01/09/2019 - 30/11/2023
8	KIPLE FRAUD MANAGEMENT SYSTEM	Projek Revolusi Industri 4.0	Co-Researcher	01/09/2019 - 24/05/2021
9	A STUDY ON MALAYSIAN DIGITAL SIGNATURE (DS) MARKET DEMAND AND FEASIBILITY OF CERTIFICATION AUTHORITY (CA) INTEROPERABILITY	Geran Penyelidikan Agensi Kerajaan	Main Researcher	01/06/2023 - 26/02/2024
10	GAME-BASED LEARNING TOOL FOR CYBERSECURITY AWARENESS WITH NAQLI AND AQLI INTEGRATION	Biduni Mizanniyah	Co-Researcher	01/08/2022 - 01/08/2023
11	SECURE ROUTING PROTOKOL FOR WIRELESS SENSOR NETWORK	Geran Penyelidikan Fundamental	Co-Researcher	01/07/2008 - 01/01/2013
12	CYBERSECURITY AND SYSTEMS (CSS)	Geran Kumpulan Penyelidikan (KUP)	Co-Researcher	06/06/2024 - 06/06/2026
13	A STUDY ON USER BEHAVIOUR PROFILING FOR ORGANIZATIONAL SECURITY RESILIENCE	Geran Penyelidikan USIM	Co-Researcher	01/11/2023 - 01/11/2025
14	AN INVESTIGATION ON FACTORS CONTRIBUTING TO KNOWLEDGE SHARING IN USIM	Geran Penyelidikan Fundamental	Co-Researcher	01/02/2008 - 01/02/2013
15	CYBER HASANAT: SECURE CYBERCITIZENSHIP AWARENESS	Geran Penyelidikan Agensi Kerajaan	Co-Researcher	27/03/2024 - 27/10/2024
16	DEVELOPMENT OF AN ARABIC EXAM QUESTION GENERATOR UTILIZING ADVANCED NATURAL LANGUAGE PROCESSING TECHNIQUES WITH ARABIC CORPUS	Geran Penyelidikan USIM	Main Researcher	06/06/2024 - 06/06/2026
17	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
18	A MULTILAYER SECURE GEO-FENCING SURVEILLANCE FRAMEWORK FOR PUBLIC HEALTH CONTROL OF INFECTIOUS DISEASE MONITORING	Geran KPT - Geran FRGS	Co-Researcher	01/10/2023 - 01/10/2026
19	BALANCED COVER AUDIO SUGGESTION FOR AUDIO STEGANOGRAPHY ALGORITHM BASED ON NSGA-II, SEGMENTATION AND CHAOTIC MAP	Geran KPT - Geran FRGS	Co-Researcher	01/11/2020 - 01/05/2024
20	HYBRID FUZZY LEAST SQUARES GENERATIVE ADVERSARIAL NETWORK (LS-GAN) BASED AUDIO STEGANOGRAPHY FOR BETTER IMPERCEPTIBILITY AND SECURITY REAL TIME PERFORMANCE.	Geran KPT - Geran FRGS	Co-Researcher	01/08/2024 - 01/08/2027

21	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
22	ENHANCING INTEROPERABILITY IN THE CERTIFICATE AUTHORITY: NEW TRUST MODEL FOR PUBLIC KEY INFRASTRUCTURE USING CRYPTO-AGILITY	Geran KPT - Geran FRGS	Main Researcher	01/08/2024 - 01/08/2027

CONFERENCE

No	Conference Name	Paper Work	Role	Date
1	ICCE 08		Peserta Biasa	13/05/2008 - 15/05/2008
2	International Symposium On Information Technology 2008 (ITSIM'08)	Bluetooth Mobile Advertising using pull-based Approach	Pembentang Lisan / Kertas Kerja	26/08/2008 - 29/08/2008
3	International Conference On Computer and Information technology	Performance Analysis of Routing Protocol for WSN Using Data Centric Approach	Pembentang Lisan / Kertas Kerja	26/05/2009 - 29/05/2009
4	International Conference On Computer Technology and Development 2009	Analysis Of Packets Abnormalities In Wireless Sensor Network	Pembentang Lisan / Kertas Kerja	13/11/2009 - 15/11/2009
5	INTERNATIONAL SYMPOSIUM ON INFORMATION TECHNOLOGY (ITSIM '10)	FACTORS INFLUENCING KNOWLEDGE SHARING IN HIGHER LEARNING	Peserta Biasa	15/06/2010 - 17/06/2010
6	INTERNATIONAL CONFERENCE ON INFORMATION SCIENCES & APPLICATIONS 2014 IEEE (ICISA2014)	MULTIVARIATE SURVIVAL ANALYSIS FOR CORRELATED NODE BEHAVIOUR IN MANETS	Pembentang Lisan / Kertas Kerja	06/05/2014 - 09/05/2014
7	WORLD CONFERENCE ON TECHNOLOGY, INNOVATION AND ENTREPRENEUSHIP	SYSTEMATIC REVIEW ON SURVIVABILITY ANALYSIS IN MANETS	Pembentang Lisan / Kertas Kerja	28/05/2015 - 30/05/2015
8	2ND INTERNATIONAL CONFERENCE ON COMMUNICATION AND COMPUTER ENGINEERING	CORRELATED TOPOLOGY CONTROL ALGORITHM FOR SURVIVAL NETWORK IN MANETS	Pembentang Lisan / Kertas Kerja	09/06/2015 - 11/06/2015
9	5th Information Security Summit-SPortlight on CCloud	Tiada	Peserta Biasa	17/05/2016 - 18/05/2016
10	3rd International Conference on Defence and Security Technology (DSTC2016)	Experimental Research Testbed for Internet of Things: A Survey from Security Services Perspectives	Pembentang Lisan / Kertas Kerja	15/08/2016 - 17/08/2016
11	22nd International Conference on Virtual Systems & Multimedia (VSMM)		Pemerhati	20/10/2016 - 20/10/2016
12	International Conference on Innovations in Science, Engineering and Technology 2016 (ICISSET 2016)	A Framework of Packet Sanitization for Information Hiding In TCP/IP	Pembentang Jemputan	27/10/2016 - 30/10/2016
13	1st WORLD INTERNATIONAL CONFERENCE ON ISLAMIC SCIENCES 2016 (WICOIS'16)	Six Critical Processes to Refute Social-Media- Rumor	Pembentang Lisan / Kertas Kerja	05/12/2016 - 07/12/2016
14	The second International Conference on Internet of Things, Data and Cloud	Measuring Sensor to Cloud Energy Consumption	Pembentang Lisan / Kertas Kerja	21/03/2017 - 23/03/2017

	Computing (ICC 2017)			
15	The 10th Malaysian Software Engineering Conference 2017 (MySEC2017)	Systematic Literature Review: Correlated Fuzzy Logic Rules for Node Behavior Detection In Wireless Sensor Network	Pembentang Lisan / Kertas Kerja	07/08/2017 - 09/08/2017
16	Research Collaboration and Invited Speaker at Japan Advance Institute of Science and Technology (JAIST)	Information Security Management	Penceramah Jemputan	19/04/2018 - 19/04/2018
17	2018 3rd International Conference on Control and Robotics Engineering (ICCRE 2018)	Multivariate Analysis for Fuzzy Correlated Node Behavior Detection in Wireless Sensor Network	Pembentang Lisan / Kertas Kerja	19/04/2018 - 24/04/2018
18	10th Cyber Security Malaysia - Awards, Conference & Exhibition (CSM-ACE) 2018		Peserta Biasa	25/09/2018 - 25/09/2018
19	2019 Asia Pacific Information Technology Conference (APIT 2019)	Lightweight Cryptography Techniques for MHealth Cybersecurity	Pembentang Lisan / Kertas Kerja	24/01/2019 - 28/01/2019
20	SEMINAR DAN BENGKEL BLOCKCHAIN 2019		Peserta Biasa	04/03/2019 - 05/03/2019
21	6th Global Conference on Engineering and Technology	The Design of Substitution Box Using Multiple Irreducible Polynomials and Composition Methods	Pembentang Lisan / Kertas Kerja	19/07/2019 - 20/07/2019
22	International University Carnival on E-Learning (IUCEL) 2019	Bluetooth Smart Based Attendance System for Teaching and Learning	Pembentang Poster	21/08/2019 - 22/08/2019
23	Q-Akusticrypt Seminar 2019	Systematic Literature Review: Current Implementation of S-Box in Advance Encryption Standard (AES)	Penceramah Jemputan	23/08/2019 - 23/08/2019
24	Cyber Security Malaysia - Awards, Conference & Exhibition (CSM-ACE)	CERTIFIED CYBER DEFENDER ASSOCIATE (CCDA)	Peserta Biasa	23/09/2019 - 26/09/2019
25	7th International Cryptology and Information Security Conference 2020 (CRYPTOLOGY2020)	Randomness Analysis on RECTANGLE Block Cipher	Peserta Biasa	09/06/2020 - 10/06/2020
26	World UX Online Conference		Peserta Biasa	10/06/2020 - 10/06/2020
27	AI Virtual Summit 2020		Peserta Biasa	11/06/2020 - 14/06/2020
28	Global Research Conference (GRaCe 2020)	The Cloud Unified Communications Issues and Challenges	Pembentang Lisan / Kertas Kerja	16/10/2020 - 18/10/2020
29	OIC-CERT 12TH ANNUAL CONFERENCE 2020 (VIRTUAL)		Peserta Biasa	23/11/2020 - 24/11/2020
30	8th International Research Symposium on PBL	Tiada	Peserta Biasa	15/08/2021 - 17/08/2021
31	QCrypt 2021	NIL	Peserta Biasa	23/08/2021 - 27/08/2021
32	OIC-CERT 13th Annual Conference & 9th Arab Regional Cybersecurity Summit 2021 (Virtual)		Peserta Biasa	23/11/2021 - 24/11/2021

33	The 8th International Cryptology and Information Security Conference 2022 (CRYPTOLOGY2022)	Analysis of Permutation Functions for Lightweight Block Cipher Design	Pembentang Lisan / Kertas Kerja	26/07/2022 - 28/07/2022
34	Defence, Security and Sustainability Exhibition 2022 (DSS 2022)	SAKTI: Secure Apps for enKripting Test Information	Pembentang Poster	02/08/2022 - 04/08/2022
35	8th INFORMATION SECURITY AND ASSURANCE SEMINAR AND FORUM 2022 (IS@S'22)		Peserta Biasa	04/11/2022 - 05/11/2022
36	Journey to the NIST Cybersecurity Framework (CSF) 2.0		Peserta Biasa	14/02/2023 - 15/02/2023
37	IEEE Young Professionals Machine Learning Summit - a virtual summit.		Peserta Biasa	18/03/2023 - 18/03/2023
38	Wiley Asia Community: Different Learning Modality in the New Norm: the CEU Experience		Peserta Biasa	29/03/2023 - 29/03/2023
39	PERSIDANGAN TANDATANGAN DIGITAL ANJURAN SURUHANJAYA KOMUNIKASI DAN MULTIMEDIA MALAYSIA (MCMC)		Peserta Biasa	20/06/2023 - 20/06/2023
40	PERSIDANGAN TANDATANGAN DIGITAL ANJURAN SURUHANJAYA KOMUNIKASI DAN MULTIMEDIA MALAYSIA (MCMC)		Peserta Biasa	20/06/2023 - 20/06/2023
41	CyberDSA Conference (Cyber Digital Services Defence & Security Asia)		Peserta Biasa	15/08/2023 - 18/08/2023
42	MCMC Research Symposium 2023		Peserta Biasa	17/08/2023 - 17/08/2023
43	2nd international Conference on Intelligent System	The Study of Randomness Properties Exhibited by LAO-3D Lightweight Block Cipher Algorithm	Pembentang Lisan / Kertas Kerja	29/09/2023 - 30/09/2023
44	2nd International Conference on Intelligent System (ICIS-2023)	The Study of Randomness Properties Exhibited by LAO-3D Lightweight Block Cipher Algorithm	Pembentang Lisan / Kertas Kerja	29/09/2023 - 30/09/2023
45	CAPACITY DEVELOPMENT CONFERENCE 2023		Peserta Biasa	11/10/2023 - 12/10/2023
46	4th International Conference On Recent Advancements In Science And Technology (ICoRAST2023)	SAKTI©: SECURED CHATting TOOL THROUGH FORWARD SECRECY	Pembentang Lisan / Kertas Kerja	09/11/2023 - 09/11/2023
47	2023 International Conference on Advances in Machine Intelligence, and Cybersecurity Technologies (AMICT2023)	Certification Authority Capacity and Digital Signature Market Demand in Promoting Interoperability in Malaysia.	Pembentang Lisan / Kertas Kerja	11/12/2023 - 12/12/2023
48	International Regulatory Conference 2024 (IRC)		Peserta Biasa	06/05/2024 - 07/05/2024
49	SecureEd: Navigating the AI Frontier in Cybersecurity (and) Education		Peserta Biasa	17/07/2024 - 17/07/2024
50	NACSA CYBER SECURITY SUMMIT 2024		Peserta Biasa	30/07/2024 - 01/08/2024
51	CyberDSA		Peserta Biasa	06/08/2024 - 08/08/2024
52	The International Conference on Emerging Technologies and	Arabic Exam Question Generation: An NLP and	Pembentang Lisan / Kertas Kerja	30/08/2024 - 02/09/2024

	Sustainability (ICETS 2024)	Corpus-Driven Approach.		
53	MCMC Research Symposium 2024	MALAYSIAN DIGITAL SIGNATURE MARKET DEMAND AND FEASIBILITY OF CERTIFICATE AUTHORITY INTEROPERABILITY	Panel	04/09/2024 - 04/09/2024

AREA OF SPECIALIZATION AND RESEARCH INTERESTS

No	Field / Area	Level of Expertise
1	COMPUTER SECURITY	VERY HIGH
2	CRYPTOGRAPHY	HIGH
3	DATA SECURITY	VERY HIGH
4	OTHER SECURITY SYSTEM	VERY HIGH
5	WIRELESS COMMUNICATION AND TECHNOLOGIES	MODERATE

PUBLICATION - BOOK

2009

1. azni haslizan binti ab halim, INFORMATION AND COMMUNICATION TECHNOLOGY LAB MANUAL, Pearson

PUBLICATION - CHAPTER IN BOOK

2022

1. Azni Haslizan AB Halim, Muhammad Fahim Roslan, QURANIC ACOUSTIC-AN ANALYSIS FOR CRYPTOGRAPHIC APPLICATION,, 160-175
2. Muhammad Fahim Roslan, Kamaruzzaman Seman, Azni Haslizan Ab Halim, M Norazizi Sham Mohd Sayuti, QURANIC ACOUSTIC-AN ANALYSIS FOR CRYPTOGRAPHIC APPLICATION,, 176-187

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 Assurance from the Islamic and Technological Perspectives, Usim Press, 36-50

2015

1. , ADVANCED COMPUTER AND COMMUNICATION ENGINEERING TECHNOLOGY, SpringerLink, 93-102

PUBLICATION - JOURNAL

2023

1. 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. 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
2. SAKIINAH ALTAF HUSSAIN, AZNI HASLIZAN AB HALIM AND NAJWA HAYAATI MOHD ALWI, SYSTEMATIC LITERATURE REVIEW FOR LIGHTWEIGHT AUTHENTICATION ALGORITHM IN THE IoT,,17,9 (Sept),162-178
3. NIK AZURA NIK ABDULLAH NUR HAFIZA ZAKARIA AZNI HASLIZAN AB HALIM FARIDA HAZWANI MOHD RIDZUAN AZUAN AHMAD KAMARUZZAMAN SEMAN SURİYANI ARIFFIN, A THEORETICAL COMPARATIVE ANALYSIS OF DNA TECHNIQUES USED IN DNA BASED CRYPTOGRAPHY, Journal of Sustainability Science and Management,17,5,165-178
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. Tasnuva Ali, A.H. Azni, Nur Hafiza Zakaria, A Systematic Literature Review on Lightweight Secured S-Box Design for mHealth Applications, Selangor Science & Technology Review (SeSTeR),5,5,46-56
2. 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. Rossly Salleh and Azni Ab Halim, Knowledge Impact on Information Quality, Service Quality and System Quality for Security of 1GovUC, OIC-CERT Journal of Cyber Security,2,1,57-67
2. 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
3. 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
4. FARIDA RIDZUAN, Digital audio steganography: Systematic review, classification, and analysis of the current state of the art,,38,2020,100316-100339
5. FARIDA RIDZUAN, The Progressive Multilevel Embedding Method for Audio Steganography,,1551,1,1-13

2019

1. Tasnuva Ali, A. H Azni, Nur Hafiza Zakaria, Issues in Lightweight Encryption Algorithm for mHealth, International Journal of Recent Technology and Engineering Open Access,8,2S8,1938-1942
2. Kamaruzzaman Seman, Muhammad Fahim Roslan, Azni Haslizan Ab Halim, M Nor Azizi Syam Mohd Sayuti1, On selected issues of Boolean function application in symmetric key cryptography against side channel attacks, Journal of Physics: Conference Series,1282,1,012001-012001
3. Roslan Muhammad Fahim, Seman Kamaruzzaman, Ab Halim Azni Haslizan, Mohd Sayuti M Nor Azizi Syam, Linear Hybrid Cellular Automata (LHCA) Rule 90/150 Based S-Box, International Journal of Innovative Technology and Exploring Engineering,8,7S,267-274
4. Kalid Abdlkader Marsa, A.H Azni, Farida Ridzuan, FORMULATION OF 3D EUCLIDEAN DISTANCE FOR NETWORK CLUSTERING IN WIRELESS SENSOR NETWORK, international journal of advanced computer technology,8,9,3368-3373
5. Ahmed Abduljabbar Alsabhany, Farida Ridzuan, AH Azni, The Adaptive Multi-Level Phase Coding Method in Audio Steganography,,7,1,129291-129306

2018

1. Mohd Ilias M Shuhud, Najwa Hayaati Md Alwi, Azni Haslizan Abd Halim, Initiating an Online Reputation Monitoring

System with Open Source Analytics Tools,Journal of Physics: Conference Series,1018,1,012016

2. 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 & Technology,2,1,1-4

2017

1. Noor Shahidah, AH Azni, Najwa Hayaati Mohd Alwi, Kamatuzzaman Seman, Noor Hasrina Bakar,SYSTEMATIC LITERATURE REVIEW: CORRELATED FUZZY LOGIC RULES FOR NODE BEHAVIOR DETECTION IN WIRELESS SENSOR NETWORK,Journal of Telecommunication, Electronic and Computer Engineering (JTEC),9,3-3,109-115

2. Noor Shahidah, AH Azni,Formulation of Fuzzy Correlated System for Node Behavior Detection in WSN,Journal of Telecommunication, Electronic and Computer Engineering (JTEC),9,2-9,101-104

3. AH Azni, NHM Alwi, K Seman,EXPERIMENTAL RESEARCH TESTBED FOR INTERNET OF THINGS: A SURVEY FROM SECURITY SERVICES PERSPECTIVES,Journal of Fundamental and Applied Sciences,9,3S,231-244

4. MF Roslan, K Seman, AHA Halim, MNSM Sayuti,Current implementation of advance encryption standard (AES) S-Box,Journal of Fundamental and Applied Sciences,9,4S,518-542

2016

1. Ahmed A. Alsabhany, Farida Ridzuan , Azni A. H.,A Hybrid Solution for Encrypted Communication Using Audio Steganography.,ADVANCED SCIENCE LETTERS,1,1,1-16

2. Farida Ridzuan, Ziaurrahman Shirzad, A.H Azni , Madiah Mohd Saudi,Classification for Quran Authentication Using Characters and Diacritics Hashed Values,Advanced Science Letters,1,1,1-16

3. Mohd Ilias M Shuhud, Najwa Hayaati Mohd Alwi, Azni Haslizan Abd Halim,Six Critical Processes to Refute Social-Media-Rumors,ADVANCED SCIENCE LETTERS,1,1,1-16

2015

1. AH Azni, Rabiah Ahmad, Zul Azri Mohamad Noh, Farida Hazwani, Najwa Hayaati,Systematic Review for Network Survivability Analysis in MANETS,Procedia-Social and Behavioral Sciences,195,200,1872-1881

2. Najwa Hayaati Mohd Alwi , Ip-Shing Fan and A. H. Azni,Conceptual study towards information security model for e-learning stakeholders,ARPN Journal of Engineering and Applied Sciences,10,16,7206-7211

2013

1. A.H. Azni, Rabiah Ahmad, ZulAzri Mohamad Noh,Survivability modeling and analysis of mobile ad hoc network with correlated node behavior,Procedia Engineering,53,2013,435-440

2. AH Azni, Rabiah Ahmad, Zul Azri Mohamad Noh,Epidemic Modeling for Correlated Node Behavior in Ad Hoc Networks,International Journal of Chaotic Computing (IJCC),1,1-4,22-30

2012

1. Azni, A. H.; Ahmad, Rabiah; Noh, Zul Azri Muhamad; Basari, Abd Samad Hasan; Hussin, Burairah,Correlated Node Behavior Model based on Semi Markov Process for MANETS,International Journal of Computer Science Issues (IJCSI),9,1,50

2. Azni, A. H., Ahmad, R., & Noh, Z. A. M.,Modeling Stochastic Correlated Node Behavior for Survivability in Ad Hoc Networks,International Journal of Cryptology Research,4,1,1-16

2009

1. azni haslizan binti ab halim,PERFORMANCE ANALYSIS OF ROUTING PROTOCOL IN WSN,International Journal of

PUBLICATION - PROCEEDING

2023

No	Title	Conference Name	Organizer	Level
1	Certificate Authority Capacity and Digital Signature Market Demand in Promoting Interoperability in Malaysia.	1st International Conference on Advances in Machine Intelligence, and Cybersecurity Technologies (AMICT2023)	Universiti Malaysia Sabah	INTERNATIONAL

2022

No	Title	Conference Name	Organizer	Level
1	STATISTICAL ANALYSIS OF 3D RECTANGLE ENCRYPTION ALGORITHM	RESEARCH WORLD INTERNATIONAL CONFERENCE	WORLD RESEARCH ORGANISATION	INTERNATIONAL
2	3D Design for Lightweight S-Box	2022 International Conference on Innovations in Science, Engineering and Technology (ICISSET)	IEEE, IIUC	INTERNATIONAL
3	Analysis of Permutation Functions for Lightweight Block Cipher Design	8th International Cryptology and Information Security Conference 2022 (CRYPTOLOGY2022)	MSCR, UPM	INTERNATIONAL

2021

No	Title	Conference Name	Organizer	Level
1	Lightweight Denial of Service (DOS) Detection System Algorithm (LIDSA)	2021 23rd International Conference on Advanced Communication Technology (ICACT)	IEEE	INTERNATIONAL

2020

No	Title	Conference Name	Organizer	Level
1	Modifications of Key Schedule Algorithm on RECTANGLE Block Cipher	2nd International Conference on Advances in Cyber Security (ACeS 2020)	USM	INTERNATIONAL
2	Randomness Analysis on RECTANGLE Block Cipher	7th International Cryptology and Information Security Conference 2020 (CRYPTOLOGY2020)	MSCR, UPM	INTERNATIONAL

2019

No	Title	Conference Name	Organizer	Level
1	Lightweight Cryptography Techniques for MHealth Cybersecurity	2019 Asia Pacific Information Technology Conference	ACM	INTERNATIONAL
2	Visual Perception Games for Autistic Learners: Design & Development	2019 Asia Pacific Information Technology Conference	ACM	INTERNATIONAL
3	Visual Perception Games for Autistic	Proceedings of the 2019 Asia	ACM	INTERNATIONAL

	Learners: Research Findings	Pacific Information Technology Conference		L
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2018

No	Title	Conference Name	Organizer	Level
1	Denial of service:(DoS) Impact on sensors	2018 4th International Conference on Information Management (ICIM)	IEEE	INTERNATIONAL

2017

No	Title	Conference Name	Organizer	Level
1	Measuring sensor to cloud energy consumption	Second International Conference on Internet of things and Cloud Computing	ACM, University of Cambridge	INTERNATIONAL
2	Extracting software features from online reviews to demonstrate requirements reuse in software engineering	International Conference on Computing & Informatics	UUM	INTERNATIONAL

2016

No	Title	Conference Name	Organizer	Level
1	EXPERIMENTAL RESEARCH TESTBED FOR INTERNET OF THINGS: A SURVEY FROM SECURITY SERVICES PERSPECTIVES	3rd International Conference on Defence and Security Technology (DSTC2016)	UPNM, UPM	INTERNATIONAL
2	Clustering Algorithm to Improve Network Connectivity in WSNs for Correlated Nodes Behaviour: A Systematic Review	Kosist 16	FST,USIM	UNIVERSITY

2015

No	Title	Conference Name	Organizer	Level
1	2-Tier Security Control Model for Bring Your Own Device in USIM	Kolokium Siswazah FST 15 (KoSiST 15)	FST, USIM	UNIVERSITY
2	An Enhanced Packet Sanitization for Information Hiding in TCP/IP	Kolokium Siswazah FST 15 (KoSiST 15)	FST, USIM	UNIVERSITY
3	A comparative study between PMI Code of Ethics and Islamic Ethics	Kolokium Siswazah FST 15 (KoSiST 15)	FST, USIM	UNIVERSITY

2014

No	Title	Conference Name	Organizer	Level
1	Network Survivability Analysis Modeling Approach for MANETS : A Systematic Review	The 4th World Congress on Information and Communication Technologies (WICT 2014)	UTeM	INTERNATIONAL
2	Multivariate Survival Analysis for Correlated Node Behavior in MANETS	2014 International Conference on Information Science and Applications (ICISA)	IEEE	INTERNATIONAL

3	Correlated NOde Behvaor MODELing in MANETS	Seminar Matematik dalam Industri	UTM, INSPEN	NATIONAL
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2013

No	Title	Conference Name	Organizer	Level
1	Merging of Epidemic SIR Model and Semi Markov for Correlated Node Behavior in MANETS	International Conference on Applied Mathematics and Computational Methods	EUROPMENT	INTERNATIONAL

2012

No	Title	Conference Name	Organizer	Level
1	A 3-D Markov Chain Correlated Algorithm for MANETS	IEEE International Conference on Computer and Information Science, ICCIS2012	UTP, IEEE	INTERNATIONAL
2	Correlated Node Behavior in Wireless Ad Hoc Networks: An Epidemic Model	IEEE The 7th International Conference for Internet Technology and Secured Transactions (ICITST-2012)	IEEE	INTERNATIONAL
3	Correlated Node Behavior Modeling Approach for Evaluating Survivability in Ad Hoc Networks	Proceedings of The 3rd International Conference on Cryptology & Computer Security 2012 (Cryptology2012)	Malaysia Research Cryptography Association, UPM	INTERNATIONAL

2011

No	Title	Conference Name	Organizer	Level
1	Resilience and Survivability in MANETS: Discipline, Issues and Challenges	3rd International Conference on Computing and Informatics, ICOCI 2011	UUM	INTERNATIONAL

2010

No	Title	Conference Name	Organizer	Level
1	FACTORS INFLUENCING KNOWLEDGE SHARING IN HIGHER LEARNING	INTERNATIONAL SYMPOSIUM ON INFORMATION TECHNOLOGY 2010	Universiti Teknologi Petronas Malaysia, IEEE	INTERNATIONAL

2009

No	Title	Conference Name	Organizer	Level
1	OVERVIEW OF STAKCERT FRAMEWORK IN CONFRONTING WORMS ATTACK	2ND IEEE INTERNATIONAL CONFERENCE ON COMPUTER SCIENCE AND INFORMATION TECHNOLOGY, 2009.(ICCSIT 2009)	IEEE	INTERNATIONAL
2	MEASURING SECURITY AWARENESS IN ORGANISATION : USIM CASE STUDY	INTERNATIONAL CONFERENCE ON SOFTWARE ENGINEERING & COMPUTER SYSTEMS	UNIVERSITI MALAYSIA PAHANG	INTERNATIONAL
3	An overview of STAKCERT framework in confronting worms attack	2nd IEEE International Conference on Computer Science	IEEE	INTERNATIONAL

		and Information Technology, 2009. ICCSIT 2009.		
4	ANALYSIS OF PACKET ABNORMALITIES IN WIRELESS SENSOR NETWORK	5th International Conference on Information and Communication Technology and Systems (ICTS)	Institute of Technology Sepuluh Nopember (ITS), IE	INTERNATIONAL
5	SENSASIM - TOPNODE:AN IMPROVED WIRELESS SENSOR NETWORK SIMULATOR	5th International Conference on Information and Communication Technology and Systems (ICTS),	Institute of Technology Sepuluh Nopember (ITS), IE	INTERNATIONAL

2008

No	Title	Conference Name	Organizer	Level
1	THREATS IN WIRELESS SENSORS NETWORK: AN OVERVIEW	4th Malaysian Software Engineering Conference	Universiti Malaysia Terengganu Malaysia	INTERNATIONAL
2	BLUETOOTH MOBILE ADVERTISING SYSTEM USING PULL-BASED APPROACH	3RD INTERNATIONAL SYMPOSIUM ON INFORMATION TECHNOLOGY, IEEE,	UKM, IEEE	INTERNATIONAL
3	AN EFFICIENT NETWORK SECURITY SYSTEM THROUGH ONTOLOGY APPROACH	5TH INTERNATIONAL CONFERENCE ON INNOVATION IN IT (INNOVATION 08)	UAE UNIVERSITY, IEEE	INTERNATIONAL
4	MAC PROTOCOL TO REDUCE PACKET COLLISION IN WIRELESS SENSOR NETWORK	International Conference on Computer and Communication Engineering (ICCCE 2008),	IIUM, IEEE	INTERNATIONAL

2007

No	Title	Conference Name	Organizer	Level
1	USER AUTHENTICATION IN BLUETOOTH DEVICES	2nd International Conference on Informatic (INFORMATICS 07),	Universiti Malaya	INTERNATIONAL

2005

No	Title	Conference Name	Organizer	Level
1	USER AUTHENTICATION IN MOBILE FINANCE APPLICATION (MFS) IN BLUETOOTH TECHNOLOGY USING SSL	PROCEEDINGS OF THE 1ST INTERNATIONAL CONFERENCE ON E-COMMERCE 2005	UNIVERSITI UTARA MALAYSIA,	INTERNATIONAL
2	INTEGRATING WORDNET TO ENHANCE PLAGIARISM DETECTION SYSTEM	Proceeding of the 3rd International Conference on Information Technology and Multimedia 2005	Univeristi Tenaga Nasional	INTERNATIONAL

2004

No	Title	Conference Name	Organizer	Level
1	PLAGIARISM DETECTING SYSTEM WITHIN DOCUMENT COLLECTION FOR TEACHING AND LEARNING	Proceedings of the 7th International Conference on Work with Computing Systems 2004 (WWCS2004)	Damai Sceince	INTERNATIONAL

1900

No	Title	Conference Name	Organizer	Level
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1	Measuring Security Awareness in Organization: USIM Case Study	International Conference on Software Engineering and Computer System	Universiti Malaysia Pahang	INTERNATIONAL
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PUBLICATION - THESIS

2022

No	Title	Field	Thesis Level	Type
1	DOCUSIVE: DOCUMENT SIGNING AND VERIFICATION SYSTEM USING PUBLIC-KEY CRYPTOGRAPHY	Cryptography	Bachelor	Co-Author
2	FORWARD SECURE: BASED ON ECC KEY EXCHANGE	Cryptography	Bachelor	Co-Author
3	CREDIT CARD FRAUD DETECTION BASED ON IMAGE SELECTION WITH HASHING FUNCTION	Computer Security	Bachelor	Co-Author

2016

No	Title	Field	Thesis Level	Type
1	Enhancement of Clustering Algorithm using 3D Euclidean Distance to Improve Network Connectivity in Wireless Sensor Network for Correlated Node Behaviors	Wireless Security	Doctor of philosophy	Co-Author
2	Correlated Node behaviour Modelling Using Fuzzy	IoT, Sensor Network, Fuzzy	Master	Co-Author

2015

No	Title	Field	Thesis Level	Type
1	Mediators for Knowledge and Usefulness in Influencing the Successful of 1GovUC System	Computer System	Doctor of philosophy	Co-Author

2010

No	Title	Field	Thesis Level	Type
1	Correlated Survivability Analysis Model in MANETS	Mobile Ad hoc network, Survivability	Doctor of philosophy	Main Author

PUBLICATION - PROJECT PAPER

2023

No	Title	Start Date	Finish Date
1	SECURING IOT DEVICES THROUGH DECENTRALIZED DIGITAL CERTIFICATES WITH BLOCKCHAIN-BASED DIGITAL SIGNATURE SCHEME	01/06/2023	30/09/2023

ACADEMIC RECOGNITION

INVITED / KEYNOTED SPEAKER

No	Title	Conference Name	Level	Date
1	Correlated Node Behaviour Modelling in MANETS	Seminar Matematik Dalam Industri	NATIONAL	02/06/2014 - 02/06/2014
2	Navigating Research Trends through Systematic Literature Review	QUVAE Research Webinar	INTERNATIONAL	08/09/2023 - 08/09/2023
3	Framework of Packet Sanitization for Information Hiding In TCP/IP	International Conference on Innovations in Science, Engineering and Technology 2016 (ICISSET 2016)		28/10/2016 - 29/10/2016

EDITORIAL BOARD

No	Editorial Name	Journal Name	Type of Editorial	Level	Year
1	IoT Review member	IEEE Sensor Journal	Member	INTERNATIONAL	2013 - 2015
2	Editorial Board	OIC-CERT JOURNAL of CYBERSECURITY	Member	INTERNATIONAL	2018 - 2020
3	EDITORIAL BOARD FOR THE OIC-CERT JOURNAL OF CYBER SECURITY	OIC-CERT JOURNAL OF CYBER SECURITY	Member	INTERNATIONAL	2018 - 2023
4	International Advisory Board	International Journal of Engineering and Innovative Research	Others	INTERNATIONAL	2021 - 2021

ACADEMIC RECOGNITION (OTHERS)

No	Organization	Award / Reward	Category of Position	Level	Date
1	SEGi College Subang Jaya	EXTERNAL ASSESSOR	Academic Advisor	UNIVERSITY	04/12/2020 - 02/12/2022
2	Universiti Malaysia Sarawak	Penilai Luar Program Phd	Academic Advisor	UNIVERSITY	15/11/2023 - 14/10/2025
3	Universiti Malaysia Sarawak (UNIMAS)	Pemeriksa Luar Program Sarjana Sains (Msc by Research)	Academic Advisor	UNIVERSITY	15/11/2023 - 14/11/2024

CONTRIBUTION - USIM

2023

No	Name Of Activity	Position	Level	Date
1	Persatuan Kakitangan Akademik USIM (PKAUSIM)	MEMBERS	UNIVERSITY	01/01/2023 - 06/01/2032
2	Panle Penilai Geran Penyelidikan Dana KPT	Penilai Geran	UNIVERSITY	01/01/2023 -

	Skim FRGS Tahun 2023			30/06/2023
3	Cyber Security and Systems (CSS) Research Unit	MEMBERS	FACULTY	01/01/2023 - 31/12/2023
4	jawatankuasa taskforce penubuhan fakulti sains komputer	MEMBERS	FACULTY	01/01/2023 - 31/12/2025
5	Jawatan Kuasa Pameran (SAKTI)	AJK	UNIVERSITY	01/02/2023 - 01/02/2023
6	Pasukan Perunding SMART Direktori Universiti Sains Islam Malaysia (USIM)	MEMBERS	UNIVERSITY	01/08/2023 - 31/07/2024
7	Ahli Jawatankuasa Pengurusan Data Penyelidikan (research Data Management - RMD) Universiti	AJK	UNIVERSITY	10/07/2023 - 31/12/2024
8	Jawatankuasa Semakan Kurikulum Fakulti-Sarjana Muda Sains Komputer dengan Kepujian (Keselamatan dan Jaminan Maklumat)	AJK	FACULTY	22/08/2023 - 10/10/2023
9	Jawatankuasa Karnival Minggu Sains Negara	PENOLONG PENGARAH	NATIONAL	26/05/2023 - 27/05/2023
10	Ahli Jawatankuasa Karnival Minggu Sains Negara Peringkat Negeri Sembilan	PENASIHAT	NATIONAL	26/05/2023 - 27/05/2023

2022

No	Name Of Activity	Position	Level	Date
1	AHLI JAWATANKUASA PENAJA PROGRAM BAHARU FAKULTI SAINS DAN TEKNOLOGI, UNIVERSITI SAINS ISLAM MALAYSIA DOKTOR FALSAFAH SAINS KOMPUTER	AJK	FACULTY	04/08/2022 - 04/08/2024
2	AHLI JAWATANKUASA PENAJA PROGRAM BAHARU FAKULTI SAINS DAN TEKNOLOGI, UNIVERSITI SAINS ISLAM MALAYSIA DOKTOR FALSAFAH SAINS KOMPUTER (MOD ONLINE DISTANCE LEARNING-ODL)	AJK	FACULTY	12/09/2022 - 12/09/2024
3	JURI PERTANDINGAN PERTANDINGAN THREE MINUTE THESIS® (3MT-BAHASA MELAYU DAN BAHASA INGGERIS) & FIVE MINUTE THESIS® (5MT- BAHASA ARAB) PERINGKAT UNIVERSITI SAINS ISLAM MALAYSIA (USIM) TAHUN 2022	Juri	UNIVERSITY	14/03/2022 - 15/04/2022
4	JAWATANKUASA URUSETIA PELAKSANA SYARAHAN PERDANA FAKULTI SAINS DAN TEKNOLOGI 2022	AJK	FACULTY	24/02/2022 - 21/12/2022

2021

No	Name Of Activity	Position	Level	Date
1	AHLI JAWATANKUASA TASKFORCED IPPS UNIVERSITI SAINS ISLAM MALAYSIA	AJK	UNIVERSITY	04/05/2021 - 31/12/2021
2	AHLI JAWATANKUASA PEMBANGUNAN SUMBER MANUSIA (JPSM) PERINGKAT PUSAT TANGGUNGJAWAB KLUSTER 1	AJK	UNIVERSITY	07/07/2021 - 07/07/2021
3	Kursus Metodologi Penyelidikan	PENCERAMAH BAGI KURSUS METODOLOGI	UNIVERSITY	09/04/2021 - 15/04/2021

		PENYELIDIKAN UNIVERSITI SAINS ISLAM MALAYSIA (USIM)		
4	JAWATANKUASA TASKFORCE ACADEMIC INFORMATION SYSTEM (AIS)	AJK	UNIVERSITY	20/12/2021 - 20/12/2022
5	ICT CLICK 2021: "EXPLORING VIRTUAL WORLD"	PENASIHAT BAGI ICT CLICK 2021	FACULTY	27/03/2021 - 28/03/2021
6	Juri pertandingan 3 Minutes thesis (3MT) Peringkat Usim	Juri	UNIVERSITY	28/04/2021 - 05/05/2021

2020

No	Name Of Activity	Position	Level	Date
1	AHLI JAWATANKUASA PENGUBAL PERATURAN-PERATURAN UNIVERSITI SAINS ISLAM MALAYSIA (DIPLOMA LEPASAN IJAZAH - DIPLOMA AMALAN KEHAKIMAN DAN GUAMAN SYARIE) 2020	MEMBERS	FACULTY	01/01/2020 - 31/12/2020
2	Pengawas Peperiksaan Akhir 191	Ketua Pengawas	FACULTY	03/01/2020 - 03/01/2020
3	AHLI TASKFORCE PENYEDIA DOKUMEN PELAN STRATEGIK ICT (ISP) 2021-2025 USIM	MEMBERS	UNIVERSITY	04/03/2020 - 31/12/2020
4	JAWATAN KUASA TATATERTIB PELAJAR UNIVERSITI SAINS ISLAM MALAYSIA (USIM) BAGI KES SALAH LAKU PELAJAR KETIKA PEPERIKSAAN SEMESTER 1, SESI AKADEMIK 2019/2020	PIHAK BERKUASA	UNIVERSITY	08/05/2020 - 08/05/2020
5	PENCERAMAH SSSI PERATURAN SISWAZAH USIN DAN IPPS BAGI PELAJAR GSM, FEM	PENCERAMAH	FACULTY	09/09/2020 - 09/09/2020
6	PROGRAM MELANJUTKAN PENGAJIAN PERINGKAT SISWAZAH	PENCERAMAH	UNIVERSITY	15/12/2020 - 15/12/2020
7	AHLI PANEL SEMAKAN KURIKULUM BAGI KURSUS KAEDAH PENYELIDIKAN DAN ANALISIS DATA (RMDA) PERINGKAT PASCASISWAZAH	MEMBERS	UNIVERSITY	20/05/2020 - 31/12/2020
8	Ahli Jawatankuasa Pemandu Kualiti, Risiko, Syariah dan Inovasi (JPKRSI)	PENGERUSI - CHAIRMAN	FACULTY	23/01/2020 - 31/12/2020
9	Penyelia bagi Pelajar Siswazah Graduate on Time 2022	Penyelia Utama	UNIVERSITY	24/02/2020 - 24/08/2022
10	PANEL PENILAI PERMOHONAN PENYELIDIKAN PERINGKAT UNIVERSITI	PENILAI	UNIVERSITY	27/04/2020 - 27/04/2020
11	penceramah jemputan bengkel penyeliaan siswazah siri 1, universiti sains islam malaysia (USIM)	penceramah	UNIVERSITY	27/07/2020 - 27/07/2020
12	AJK Penganjuran Mesyuarat MDPS Universiti Awam kali ke 60	PENGARAH	NATIONAL	30/09/2020 - 30/09/2020
13	Panel Penilai UJIAN Kelayakan Pelajar Siswazah FST	Penilai Penyelidikan	FACULTY	31/01/2020 - 31/01/2020

2019

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No	Name Of Activity	Position	Level	Date
1	Program Kebolehpasaran Graduan (GE), USIM	Penceramah	UNIVERSITY	01/11/2019 - 02/11/2019
2	Jawatan Kuasa 3MT Peingkat Universiti 2019	PENGERUSI - CHAIRMAN	UNIVERSITY	03/04/2019 - 03/04/2019
3	Hari Pendaftaran PPS	Penceramah	FACULTY	12/02/2019 - 12/02/2019
4	Taklimat Sistem iPPS	Penceramah	FACULTY	12/04/2019 - 12/04/2019
5	Penceramah Bengkel Hal Ehwal Pasca Siswazah FPBU	Penceramah	FACULTY	12/06/2019 - 12/06/2019
6	Jawatankuasa Pelaksana Penggiat Budaya IQRA'@USIM, 2019	MEMBERS	UNIVERSITY	13/02/2019 - 12/02/2021
7	Ahli Jawatankuasa Siswazah Program Generik, PPS	PENGERUSI - CHAIRMAN	FACULTY	22/11/2019 - 31/12/2020
8	Pertandingan Three Minutes Thesis (3MT)	Pegawai Pengiring	FACULTY	24/06/2019 - 25/06/2019
9	Ahli Jawatankuasa Seminar Q-Akusticrypt 2019	SECRETARY	FACULTY	28/08/2019 - 28/08/2019

2018

No	Name Of Activity	Position	Level	Date
1	Ahli Foresigh 2018-2023 USIM	MEMBERS	UNIVERSITY	01/01/2018 - 31/12/2018
2	Ahli Jawatan Kuasa Pusat Pengajian Siswazah (JKPPS) 2018	HEAD OF AJK	UNIVERSITY	01/10/2018 - 30/11/2018
3	Supervisory and Robing Ceremony (SARC 2018)	HEAD OF AJK	UNIVERSITY	01/11/2018 - 30/11/2018
4	USIM International Carnival (IUC 2018)	HEAD OF AJK	UNIVERSITY	02/10/2018 - 31/12/2018

2017

No	Name Of Activity	Position	Level	Date
1	3 Minutes Thesis	VICE CHAIRMAN	UNIVERSITY	03/03/2017 - 03/03/2017
2	Supervisory and Robing Ceremony (SARC 2017)	HEAD OF AJK	UNIVERSITY	20/11/2017 - 20/11/2017

2016

No	Name Of Activity	Position	Level	Date
1	3 Minutes Thesis (3MT)	PRESIDENT	UNIVERSITY	01/01/2016 - 03/03/2016
2	Supervisor Appreciation and Robing Ceromony	PRESIDENT	UNIVERSITY	01/11/2016 - 18/11/2016
3	USIM Kovokesyen ke 14	COMMITTEE MEMBERS	UNIVERSITY	01/11/2016 - 30/11/2016

2015

No	Name Of Activity	Position	Level	Date
1	Jawatankuasa teknikal ICT	COMMITTEE MEMBERS	UNIVERSITY	02/01/2015 - 02/01/2017
2	Kolokium Siswazah FST 15	PRESIDENT	UNIVERSITY	02/03/2015 - 13/10/2015
3	Kolokium Postgraduate Siswazah FST 15 (KoSiST 15)	Timbalan Pengerusi	FACULTY	13/10/2015 - 13/10/2015
4	I-Reka	SECRETARY	FACULTY	30/05/2015 - 31/05/2015
5	MAFAST 2015	PENGERUSI - CHAIRMAN	FACULTY	31/10/2015 - 31/10/2015

2014

No	Name Of Activity	Position	Level	Date
1	Jawatan Kuasa Teknikal ICT	SECRETARY	UNIVERSITY	01/03/2014 - 01/03/2017
2	I-Nova	SECRETARY	UNIVERSITY	03/02/2014 - 18/11/2014
3	the Code intervasity	Trainer	UNIVERSITY	08/11/2014 - 08/02/2015
4	kolokium siswazah FST	SECRETARY	FACULTY	21/10/2014 - 21/10/2014
5	IACMP - Programming Contest Al Khawarizmi	Trainer	NATIONAL	26/09/2014 - 28/09/2014
6	I-reka	SECRETARY	UNIVERSITY	28/05/2014 - 28/05/2014

CONTRIBUTION - MEMBERS OF COMMUNITY COMMITTEE / ORGANISATION

2021

No	Name Of Activity	Position	Level	Date
1	SEKRETARIAT ACADEMY OF SCIENCE MALAYSIA (INFORMATION TECHNOLOGY AND COMPUTER SCIENCE DISCIPLINE)		UNIVERSITY	30/12/2021 - 29/12/2022

2020

No	Name Of Activity	Position	Level	Date
1	PERSATUAN PENGGUNA SIBER MALAYSIA	AHLI PENASIHAT AKADEMIK	NATIONAL	04/11/2020 - 31/12/2021

2016

No	Name Of Activity	Position	Level	Date
1	MALAYSIAN SOCIETY FOR CRYPTOLOGY	MEMBER	NATIONAL	01/01/2016 -

	RESEARCH (MSCR)		31/12/2018
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CONTRIBUTION - COMMUNITY SERVICES

2020

No	Organization	Position	Level
1	OIC-CERT	TRAINER	INTERNATIONAL

2019

No	Organization	Position	Level
1	UNIVERSITI TEKNIKAL MALAYSIA MELAKA (UTEM) 2019 (ELCC2019)	JURI	INTERNATIONAL

2018

No	Organization	Position	Level
1	USIM INTERNATIONAL CARNIVAL 2018	PARTICIPANT	UNIVERSITY

2016

No	Organization	Position	Level
1	MALAYSIA'S NATIONAL TRUSTED CRYPTOGRAPHIC ALGORITHM LIST (MYSEAL)	MEMBER	NATIONAL

2015

No	Organization	Position	Level
1	PROGRAM MALAYSIA UNIVERSITIES LEADERS INTELLECTUAL ASSEMBLY (MULIA) : AKEPT	MEMBER	NATIONAL

CONSULTATION

No	Title	Level	Date
1	PANEL PENILAI UITM BAGI PROGRAM DEEMED ACCREDITED PROGRAM BACHELOR OF INFORMATION TECHNOLOGY, BACHELOR OF INFORMATION TECHNOLOGY (HONS) INTELLIGENT SYSTEM ENGINEERING, BACHELOR OF COMPUTER SCIENCE UITM,	UNIVERSITY	01/03/2018 - 30/03/2018
2	DEVELOPMENT OF INTERGRATED SYSTEM FOR RPM FOR INDKOM	NATIONAL	01/05/2015 - 30/04/2016
3	DEVELOPMENT OF THE CONCEPTUAL FRAMEWORK PRELIMINARY DESIGN OF MOBILE INTERNET OF THINGS (IOT) SECURITY TEST LAB.	NATIONAL	01/07/2015 - 31/10/2015
4	MEMBANGUNKAN KERJA-KERJA PENGATURCARAAN SISTEM BAGI PIHAK KIPLEYPAY SDN BHD	NATIONAL	01/09/2019 - 31/03/2020
5	PANEL PAKAR PENILAI KRIPTOGRAFI SEDIA ADA (AKSA) -	NATIONAL	25/05/2023 -

	MYSEAL 2023		31/01/2024
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ADMINISTRATION TASK

No	Position	Level	Date
1	Deputy Dean (Corporate dan Data Management Division)	UNIVERSITY	01/10/2015 - 31/10/2017
2	Deputy Dean	UNIVERSITY	01/10/2017 - 31/12/2018
3	Pegawai Teknikal Sistem Data MyMOHES	UNIVERSITY	01/01/2018 - 31/12/2018
4	Penyelaras Pendaftaran Pelajar Baru Siswazah	FACULTY	04/09/2018 - 31/12/2018
5	Panel Penemuduga Biasiswa MyBrains 15	NATIONAL	16/04/2018 - 19/04/2018
6	Editorial Board OIC-CERT Journal of Cyber Security,	NATIONAL	01/01/2018 - 30/12/2019
7	Timbalan Dekan	UNIVERSITY	01/01/2019 - 31/12/2020
8	Menjalankan Tugas Dekan PPS	UNIVERSITY	01/09/2020 - 31/12/2020
9	Penyelidikan dan Inovasi	FACULTY	01/01/2023 - 31/12/2024

PROFESIONAL MEMBERSHIP

No	Name of Membership	Organization	Field	Date
1	Malaysian Society for Cryptology Research (MSCR)		Information Security and Cryptography	21/04/2014
2	Professional Certification		Programming	08/12/2014
3	IEEE	INSTITUTION OF SURVEYORS FEDERATION OF MALAYA	Computer SEcurity	10/06/2015
4	ACM	ACM ASSOCIATION FOR COMPUTING MACHINERY		10/06/2015
5	MALAYSIAN IT SOCIETY	UKM	IT	05/01/2015
6	GRADUATE TECHNOLOGIST	LEMBAGA TEKNOLOGIS MALAYSIA (MBOT)	CYBERSECURITY	18/01/2021
7	AHLI BERSEKUTU MAJLIS PROFESOR NEGARA	MAJLIS PROFESOR NEGARA	COMPUTER SCIENCE	01/09/2022
8	Malaysian Society for Cryptography Research (MSCR)	Malaysian Society for Cryptography Research (MSCR)	Cryptography	01/01/2020
9	MALAYSIAN IT SOCIETY	UKM	IT	01/07/2010
10	Cyber Defender Associate	Global ACE	Cybersecuroty	16/01/2020
11	Ethereum & Solidity Practitioner	IEXPLOTech	BitCoin, Cybersecuriy	07/05/2019
12	Malaysian Society for Cryptography Research (MSCR)	Malaysian Society for Cryptography Research (MSCR)	Cryptography	01/01/2020

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	SAKTI: SECURE APP FOR ENKRIPTING TEXT INFORMATION	Emas Dan Setara	INNOVATION BANK CHALLENGE (IBC 2022)	Universiti	06/09/2022-07/09/2022
4	CYBERPOLY: Cybersecurity Edugame	Emas Dan Setara	Persidangan dan Ekspo Ciptaan Institusi Pengajian Tinggi Antarabangsa (PECIPTA22)	Antarabangsa	01/11/2022-03/11/2022
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	Q-Checked	Perak Dan Setara	EKSPLO INOVASI ISLAM 1438H (i-INOVA16)	Universiti	08/11/2016-09/11/2016
13	SAKTI-Chatbox	Perak Dan Setara	Malaysia Technology Expo (MTE) 2023	Antarabangsa	16/03/2023-18/03/2023
14	SECURE CYBERCITIZENSHIP (SET)	Perak Dan Setara	VIRTUAL INNOVATION CEMPETITION 2023	Kebangsaan	07/06/2023-07/06/2023
15	CYBERPOLY: CYBERSECURITY EDUGAME	Perak Dan Setara	INNOVATION BANK CHALLENGE (IBC 2022)	Universiti	06/09/2022-07/09/2022

16	SAKTI	Perak Dan Setara	33RD INTERNATIONAL INVENTION, INNOVATION & TECHNOLOGY EXHIBITION, MALAYSIA (ITEX'22)	Antarabangsa	26/05/2022-27/05/2022
17	CYBERLAW ALMANAC	Perak Dan Setara	THE VIRTUAL INTERNATIONAL E-CONTENT DEVELOPMENT COMPETITION 2021 (ECONDEV)	Antarabangsa	20/08/2021-27/08/2021
18	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
19	SWINDLERT	Gangsa Dan Setara	Malaysia Technology Expo (MTE) 2023	Antarabangsa	16/03/2023-18/03/2023
20	A NEW DNA-INSPIRED SYMMETRIC ENCRYPTION ALGORITHM	Gangsa Dan Setara	INNOVATION BANK CHALLENGE 2023 (IBC2023)	Universiti	24/10/2023-24/10/2023
21	CYBERPOLY: MOBILE GAMIFICATION FOR SECURITY AWARENESS CAMPAIGN	Gangsa Dan Setara	MALAYSIA TECHNOLOGY EXPO 2022	Antarabangsa	21/03/2022-25/03/2022
22	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
23	BLUETOOTH SMART BASED ATTENDANCE SYSTEM FOR TEACHING AND LEARNING	Gangsa Dan Setara	INTERNATIONAL UNIVERSITY CARNIVAL ON E-LEARNING (IUCEL) 2019	Antarabangsa	21/08/2019-22/08/2019
24	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
25	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
26	TOP 100 RESEARCHERS USIM (2013-2017)	Sijil Penghargaan Sahaja	TOP 100 RESEARCHERS	Universiti	14/05/2018-14/05/2018
27	Tidak dinyatakan	Best Paper Award	International Conference on Advances in Machine Intelligence and Cybersecurity Technologies (AMICT)	Antarabangsa	11/12/2023-12/12/2023
28	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	ANUGERAH PERKHIDMATAN TERPUJI	USIM	12/08/2008

2	Anugerah Perkhidmatan Cemerlang	USIM	04/08/2022
3	Best Presenter Award	Universiti Malaysia Sabah	11/12/2023
4	Best Presenter in Final year project	Fakulti Sains and Teknologi, USIM	23/01/2023
5	Staff COntoh Bulanan FST (April 2023)	FST, USIM	01/04/2023
6	Anugerah Perkhidmatan Cemerlang	USIM	09/09/2016
7	Best Paper Award	KOSIST 17	08/11/2016
8	Inova Silver Award for Undergrade ICT Category	USIM	14/11/2016
9	Best Paper Award	ISCIA2017	14/07/2017
10	IUCEL - Gold Medal Award	IUCEL	27/09/2017
11	USIM Top 100 Researchers	USIM	14/05/2018
12	Silver Awards- The Vrtual International e-Content Development COmpetition 2021 (eCondev21)	UITM	20/07/2021
13	Anugerah Perkhidmatan Setia	USIM	30/09/2022