



# KICT NEWSLETTER

ISSUES NO.7/2023

AUGUST 2023

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## *Motivational Quote*

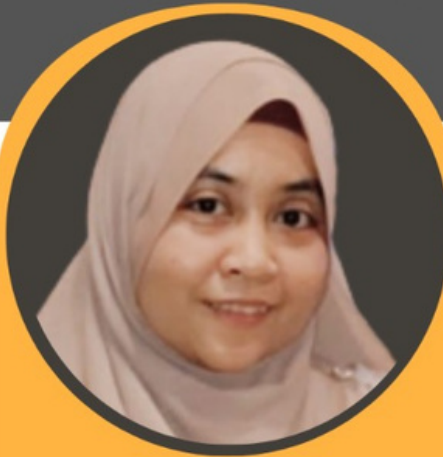
“This world cannot break you, unless you give it permission; and it cannot own you, unless you hand it the keys (your heart). If you have handed those keys to dunia for a while, take them back. Reclaim your heart and place it with its rightful owner, Allah swt.”

**YASMIN MOGAHED**



# ANDI FITRIAH BINTI ABDUL KADIR

ASSISTANT PROFESSOR  
DEPARTMENT OF COMPUTER SCIENCE



## RESEARCH EXPERTISE

Network Security, Malware Analysis,  
Privacy Engineering, Digital Forensics

## QUALIFICATION

- PhD in Computer Science (University of New Brunswick, Canada)
- Master of Computer Science - Masters Degree, International Islamic University Malaysia
- Bachelor of Computer Science (Honour) - Bachelor Degree, International Islamic University Malaysia

## PROFESSIONAL MEMBERSHIP

IEEE, CSAM

## ACHIEVEMENT AND AWARDS

Best Paper Award - Institute of Electrical and Electronics Engineers (IEEE) - 17 Aug, 2020

## CONTACT

 [andifitriah@live.iium.edu.my](mailto:andifitriah@live.iium.edu.my)

 <https://orcid.org/0000-0003-1230-0468>

## ABOUT ME

I am Andi Fitriah Abdul Kadir, PhD, an Assistant Professor at the Department of Computer Science at International Islamic University Malaysia (IIUM), Malaysia. I am proud to be an alumna of the Canadian Institute for Cybersecurity (CIC) at the University of New Brunswick, Canada. Throughout my academic journey, I have been recognized for my achievements, receiving awards such as the IIUM Academic Excellence Award and the Tunku Abdul Rahman Award. Additionally, I have been honored with several prestigious awards from international academic conferences, including the Gold Medal, Best Poster, and Best Paper awards. My passion lies in research and development (R&D) projects, and I actively collaborate with industry and government agencies to contribute to the field of cybersecurity. One of my significant research projects on privacy engineering has been incorporated into the 12th Malaysia Plan (RMK12), which allocates the national budget in Malaysia across various economic sectors, including cybersecurity. My expertise spans various domains within the cybersecurity landscape, including computer forensics, network security, malware analysis, machine learning, and privacy engineering. Through my work, I aspire to make meaningful contributions to the advancement of cybersecurity practices, ultimately enhancing the safety and security of digital spaces for individuals and organizations.

## RESEARCH GRANTS

- Blockchain-based Model for Deep Packet Inspection System, UIA-UMP research grant, Researcher, 2022-2025
- Secure Water Monitoring and Management (SWaM) System, PPRN, Researcher, 2020-2022

## CONSULTATION PTOJECTS

- Development of Data Privacy Specification for Developing ICT/IoT Products and Applications, Principle Investigator, May 2022 - Feb 2023, RM 50k
- Guideline on Testing and Evaluation Methodology for Data Privacy in ICT/IoT Products and Applications, Subject Matter Expert, September 2022 - April 2023, RM 50K
- Development of Data Privacy Management Framework for ICT/IoT Products and Applications, Subject Matter Expert, May 2021- Oct 2021 50k

## RECENT PUBLICATIONS

- Comparative Evaluation of Anomaly-Based Controller Area Network IDS (2023)
- Using streaming data algorithm for intrusion detection on the vehicular controller area network (2021)
- Dynamic android malware category classification using semi-supervised deep learning (2020)
- Extensible android malware detection and family classification using network-flows and API-calls (2019)
- Toward developing a systematic approach to generate benchmark android malware datasets and classification (2018)



# Achievements and Recognition

## APPOINTED POSITION TO KICT STAFF

### Congratulations

**Asst. Prof. Dr. Mohd. Syarqawy Hamzah**



on your appointment as  
Head  
Non-Credited Co-Curricular Activity Department  
Student Affairs & Development Division (STADD)

From us at

Kulliyah of Information & Communication Technology



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Premier Digital Tech Institution™

### Congratulations

**Asst. Prof. Dr. Madihah Sheikh Abdul Aziz**



on your appointment as  
Deputy Director  
Professional Development Unit,  
Centre for Professional Development (CPD)

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### Congratulations

**Asst. Prof. Dr. Nurzalin Zainal Azmi**



on your appointment as  
AQAL KICT

From us at

Kulliyah of Information & Communication Technology



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### Congratulations

**Asst. Prof. Dr. Raini Hassan**



on your appointment as  
Deputy Director  
Learning Design Unit,  
Centre for Professional Development (CPD)

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## PENDEKAR SIBER (CYBER WARRIOR): YOUTH EMPOWERING FINALIST IN THE BENEFITTING SOCIETY CATEGORY INTERNATIONAL GREEN AWARDS 2023





# *Achievements and Recognition*

## AWARD WINNERS : IIUM TAKRIM AWARD 2023



Category:  
Mahalah Sejahtera Award - Principal,  
Asst. Prof. Dr. Noor Azizah Binti  
Mohamadali

Category:  
Insan Sejahtera Student Category,  
Br. Hassan al Banna from KICT



Category:  
Most Innovative Flagship Project Award-  
Siber Sejahtera,  
Asst. Prof. Dr. Nurul Nuha Binti Abdul  
Molok and teams





# Congratulations

## FOR COMPLETING THE RESEARCH PROJECT



LEADING THE WAY  
LEADING THE WORLD  
AN INTERNATIONAL AWARD-WINNING INSTITUTION FOR SUSTAINABILITY

40 20 KICT

*Congratulations*  
for Completing the  
Fundamental Research Grant Scheme (FRGS) 2019



**Title:**  
Syntactic Ambiguity Detection Framework in Software Requirements Specification

**Total:**  
RM 70,400

**Team Members:**

- Assoc. Prof. Ts. Dr. Amelia Ritahani Ismail
- Asst. Prof. Dr. Suriani Sulaiman
- Dr. Ng Keng Yap (Universiti Putra Malaysia)
- Assoc. Prof. Dr. Nurul Akmar Emran (Universiti Teknikal Malaysia Melaka)

Asst. Prof. Dr. Azlin Nordin

# Congratulations

## FOR SECURING RESEARCH GRANT



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الْحَمْدُ لِلَّهِ  
& CONGRATULATIONS  
for securing  
Sponsored Project (International) (SPI)



**ASST. PROF. DR. NURUL NUHA ABDUL MOLOK**

**PROJECT TITLE:**  
DEVELOPING MALAYSIA'S CYBER RESILIENCE THROUGH STANDARDS-BASED TRAINING IN STRATEGIC THINKING AND CYBER LEADERSHIP

**AMOUNT RECEIVED:**  
RM 165,000

**FUNDING AGENCY:**  
DEPARTMENT OF FOREIGN AFFAIRS AND TRADE (DAFT), AUSTRALIA

**CO-RESEARCHER (S):**

1. ASST. PROF. TS. DR. NOOR HAYANI BINTI ABD RAHIM
2. ASST. PROF. DR. SHUHAILI BT. TALIB
3. ASST. PROF. DR. SUHAILA BINTI SAMSURI
4. ASST. PROF. TS. DR. ZAHIDAH BINTI ZULKIFLI
5. DATO' PROF. DR. NORBIK BASHAH BIN IDRIS
6. PROF. EMERITUS DATO' TS. DR. TENGKU MOHD BIN TENGKU SEMBOK
7. ASSOC. PROF. ATIF AHMAD, UNIVERSITY OF MELBOURNE (UOM)
8. ASSOC. PROF. SEAN MAYNARD, UNIVERSITY OF MELBOURNE (UOM)

OFFICE OF RESPONSIBLE RESEARCH AND INNOVATION



# Activity

## IIUM TAKRIM 2023

### THEME: CELEBRATING IIUM 40TH ANNIVERSARY: INSPIRING KHALĪFAH FOR RAHMATAN LIL 'ALAMIN

**IIUM TAKRIM DAY**  
BOOTH NO- 11 (ICC)

**COME & VISIT  
KICT BOOTH**

**KICT**

*40th Anniversary*  
Celebrating IIUM 40th Anniversary:  
Inspiring Khalifah for Rahmatan Lil 'Alamin

**EXCITING ACTIVITIES**  
E-sports & Quiz Challenge

**EXHIBITION**  
Smartdoor  
EEG & Neurofeedback  
Dyslexia app  
Dental app

**DATE**  
1st August 2023 - 2nd August 2023

**TIME**  
8.00 A.M. - 5.00 P.M.

**VENUE**  
IIUM Cultural Centre (ICC), IIUM Gombak

**ATTIRE**  
Day 1: Green color attire  
Day 2: University/KICT Corporate attire

100 POINTS WILL BE AWARDED





**RESEARCH VISIT AND DISCUSSION  
AT KPJ HEALTHCARE UNIVERSITY (KPJU), KOTA SERIEMAS, NILAI**





NEUROCOACH DIGITAL LAB LAUNCHING AND OPEN DAY

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AN INTERNATIONAL AWARD-WINNING INSTITUTION FOR SUSTAINABILITY

40 Neurocoach Digital Lab

*Official*  
**LAUNCHING & OPEN DAY**

04.08.2023 | Friday | 9.00 am - 12.30 pm  
Neurocoach Digital Lab (NDL), KICT, IUM Gombak, KL



**QUANTITATIVE EEG (QEEG) & NEUROFEEDBACK**

**8th - 9th August 2023  
9.00 AM - 4.00 PM  
KICT, IUM GOMBAK**

**Björn Crüts** (Neuroscientist & Founder) and **Luana Gamerschlag** (Chief Therapist) are the speakers.

**Register Now!**  
QR Code: [QR Code]  
Website: <https://tinyurl.com/QEEGworkshop>  
Contact: +6014 - 9879956 Sr Ain | Secretariat |

**COURSE SYNOPSIS**

**DAY 1**

- Basics of neurophysiology and neuropsychology, anatomy
- Basics EEG and QEEG
- Fundamentals of EEG vs QEEG Analysis and Analytics

**DAY 2**

- Patient Journey
- Medical history and questionnaires (standardized and in the dashboard)
- Treatment with Neurofeedback (NFB)
- Specific clinical pictures
- Evaluation of the treatment

Organized by: **Neurocoach Digital Lab**





**TOT FOR C++ PROGRAMMING AT CFS GAMBANG**



**CONSULTATION FOR MOSTI GRANT**





KICT ADMIN GATHERING







INTERNATIONAL INSTITUTE OF ISLAMIC THOUGHT  
KICIT WELFARE CLUB

**SPECIAL TALK BY**  
*Prof. Dr. Jasser Auda*

LAUNCH OF JASSER AUDA BOOK  
"MAQASID SYARIAH  
SEBAGAI FALSAFAH  
PERUNDANGAN ISLAM"

**Integration of Knowledge  
FROM THE QURANIC OUTLOOK**

TUESDAY, 25 JULY 2023 | 2.30 PM

VENUE: CONFERENCE HALL, LEVEL 9, KULLIYAH OF INFORMATION & COMMUNICATION TECHNOLOGY, IIUM



**WEBINAR SERIES 5**

COMPUTATIONAL INTELLIGENCE SOCIETY IEEE - INDONESIA CHAPTER AND SCHOOL OF COMPUTE SCIENCE NUSA PUTRA UNIVERSITY

**Tech Trends Unleashed:  
Exploring Innovations,  
Shaping the Future**

**SAVE THE DATE**  
**SATURDAY**  
05 AUGUST 2023  
7PM - 9:30PM

**SPEAKERS**

PROF. DR. TEDDY MAMTORO, M.Sc., PH.D., SHREE  
CHAIRMAN IEEE CIS INDONESIA CHAPTER

ASSOC. PROF. TS. DR. NURMI SHAM AWANG ABU BAKAR  
INTERNATIONAL ISLAMIC UNIVERSITY, MALAYSIA

ANANG NURPRANEDI  
HEAD OF IT, PT INDO TAMBORA BAKSA, MEGAH TIRU

HABI ANHARI  
ANALYST DROPE EMPHIT DIRECTOR PT. ASTRABUANA, SENOHANG PRANAWA

**AGENDA**

Opening Remarks by the Chair of IEEE CIS Indonesia Chapter  
Speaker 1: Blockchain Applications in the Financial Sector  
Speaker 2: Unleashing the Power of Vision AI in the Mining Industry  
Speaker 3: Opensource Machine Learning Tooling

**REGISTRATION AT**  
Free Registration and E-Certificate  
<https://ibic.ly/webinarsis52023>  
Email: [socs@nusaputra.ac.id](mailto:socs@nusaputra.ac.id)

**BLOCKCHAIN IMPLEMENTATION IN THE FINANCIAL SECTOR**

Assoc. Prof. Ts. Dr. Normi Sham Awang Abu Bakar  
International Islamic University Malaysia

**What Is Blockchain Technology?**

- Blockchain, sometimes referred to as distributed ledger technology (DLT), makes the history of any digital asset unalterable and transparent through the use of a decentralized network and cryptographic hashing.
- A blockchain is a digital ledger or database where encrypted blocks of digital asset data are stored and chained together, forming a chronological single-source-of-truth for the data.
- Digital assets are distributed, not copied or transferred.
- Digital assets are decentralized, allowing for real time accessibility, transparency and governance amongst more than one party.
- Blockchain ledgers are transparent — any changes made are documented, preserving integrity and trust.
- Blockchain ledgers are public and constructed with inherent security measures, making it a prime technology for almost every sector.

**WEBINAR SERIES 5**

SHAPING THE FUTURE WITH INNOVATIONS OF AI AND CYBERSECURITY

SATURDAY, 05 AUGUST 2023

Umar Aditiawarman\_KNEKS



1. Alamoodi, Abdullah Hussein and Albahri, O. S. and Zaidan, A. A. and Alsattar, Hassan A. and Zaidan, Bilal Bahaa and Albahri, A. S. and Ismail, Amelia Ritahani and Kou, Gang and Alzubaidi, Laith and Talal, Mohammed (2023) Intelligent emotion and sensory remote prioritisation for patients with multiple chronic diseases. Sensors, 23 (4). pp. 1-14. ISSN 1424-8220
2. Hag, Ala and Fares, Al-Shargie and Handayani, Dini Oktarina Dwi and Houshyar, Asadi (2023) Mental stress classification based on selected EEG channels using Correlation Coefficient of Hjorth Parameters. Preprints.org. pp. 2-18
3. Mohd Khalid, Nur Hidayah and Ismail, Amelia Ritahani and Abdul Aziz, Normaziah and Amir Hussin, Amir 'Aatieff (2023) Performance comparison of feature selection methods for prediction in medical data. In: 7th International Conference on Soft Computing in Data Science, SCDS 2023, 24-25 January 2023, Virtual Event.
4. Norazman, Nur Aisyah and Amin, Syahmi and Mohd Hasri, Nur Sarah Sajidah and Mohd Hanafi, Mohamad Faisal and Ahmad Dahlan, Abdul Rahman (2023) A conceptual i-griculture business model: strengthening food security and nurturing B40 agro-preneurs. Journal of Information Systems and Digital Technologies, 5 (1). pp. 20-42. E-ISSN 2682-8790
5. Saidi, Mpawenimana Abdallah and Tang, Seik Yng and Olowolayemo, Akeem and Adewale, Nafisah and Mohammed, Adam Andani (2023) Understanding the determinants of cryptocurrencies adoption among young Malaysians. Journal of Information Systems and Digital Technologies, 5 (1). pp. 60-75. E-ISSN 2682-8790
6. Shahrul Munir, Mohamad Faiq Mohd and Bustamam, Muhammad Amiruddin and Ismail, Amelia Ritahani and Md Yusof, Norlia and Amir Hussin, Amir 'Aatieff (2023) Real-time automated road damages inspection using deep convolutional neural networks. International Journal on Perceptive and Cognitive Computing (IJPC), 9 (1). pp. 122-127. E-ISSN 2462-229X
7. Zainal Abidin, Nadzurah and Ismail, Amelia Ritahani (2023) Federated deep learning for automated detection of diabetic retinopathy. In: IEEE 8th International Conference on Computing, Engineering and Design (ICCED), 28-29 July 2022, Sukabumi, Indonesia.
8. Asmuni, Muhammad Haris and Ahmad Dahlan, Abdul Rahman (2023) Integrated enterprise risk management in digital and post pandemic COVID-19 era: leveraging on business model canvas for the future of Malaysian armed forces. Journal of Information Systems and Digital Technology, 5 (1). pp. 138-150. E-ISSN 2682-8790
9. Ishak, Maisarah and Muzamil Basri, Anis Syaquirah and Sazari, Nur Khalisha and Ahmad Dahlan, Abdul Rahman (2023) A conceptual wedding things multisided digital platform business model: the wedding planner. Journal of Information Systems and Digital Technologies, 5 (1). pp. 113-137. E-ISSN 2682-8790
10. Norazman, Nur Aisyah and Amin, Syahmi and Mohd Hasri, Nur Sarah Sajidah and Mohd Hanafi, Mohamad Faisal and Ahmad Dahlan, Abdul Rahman (2023) A conceptual i-griculture business model: strengthening food security and nurturing B40 agro-preneurs. Journal of Information Systems and Digital Technologies, 5 (1). pp. 20-42. E-ISSN 2682-8790
11. Tambi, Muhamad Rezan and Ahmad Dahlan, Abdul Rahman (2023) Digital platform ecosystem for insurance investment industry in Malaysia: a possible conceptual solution. Journal of Information Systems and Digital Technologies, 5 (1). pp. 101-112. E-ISSN 2682-8790
12. Ujan, Imran Anwar and Shah, Asadullah (2023) Cloud computing in health sector. In: 20th International Conference on Statistical Sciences, 9th - 11th March 2023, Lahore, Pakistan.