



KICT NEWSLETTER

ISSUES NO.3/2023

MARCH 2023

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Motivational Quote

Abu Huraira reported Allah's Messenger (ﷺ) as saying:

The world is a prison-house for a believer and Paradise for a non-believer. (Sahih Muslim 2956)

Voice of Autism – Autism Acceptance



Asmarani binti Ahmad Puzi, Ahsiah binti Ismail and Maznah binti Ahmad.

Autism spectrum disorder (ASD) diagnoses in Malaysia has been steadily increased over the last decade reported by Malaysian Ministry of Health. The most recent annual figure in 2021 shows an increment of 5% for the children diagnoses with ASD compared to previous year. In 2021, children under 18 had been being diagnosed with ASD is 589 while in 2020 only 562 diagnosed with ASD. In 1970, the Autism Society observed the first National Autism Awareness Month, with the goal of disseminating information about the signs and symptoms of autism, as well as the realities of living with an autism diagnosis. The Autism Society's focus has shifted from Autism Awareness to Autism Acceptance beginning in 2021. Autism acceptance is one step closer to a better future for people with autism, according to the Autistic Self-Advocacy Network (ASAN), which has called for a shift away from the awareness label, stating that awareness is insufficient.

Therefore, University Malaya (UM) in collaboration with Autism Gym Center organize a special event called Voice of Autism. This event focuses on ensuring inclusive and equitable quality education and the promotion of lifelong learning opportunities as the foundation for improving quality of life and reducing inequities in line with SDG 4. In keeping with this, this special program highlights and increase the visibility of UM researchers' Autism Spectrum Disorders (ASD) research, raise funds for ASD research, and raise public awareness and appreciation of creative artwork by autistic artists. The event's goals are to educate and raise public awareness about autism spectrum disorder (ASD), funds for autistic children, young people, and autism research. This event also provides a platform for autistic children and young people to showcase their artistic talent and highlight the role of scientific research in understanding ASD for more effective management including innovations and technology to improve assisting people with ASD.



Researchers with expertise in the area of Autism have presented their related research as the highlighted role of scientific research in accommodating and assisting people with autism to be living and surviving in the community. Dr. Nazean Jomhari from the Department of Software Engineering, Faculty of Computer Science and Information Technology in UM showcased the “Model Rumah Aktiviti OKU Muslim” for Pondok Spiritual OKU Muslim (PONDOKU). PONDOKU is a non-governmental organization that works on a model for the disabled community to gain direct exposure to community life. One of the most recent developments is an online platform for job coach programs for disabled youth that is conducted at PONDOKU. The programs contribute to the increasing value of survival skills for the disabled person.



In another area of expertise, Dr. Yeo Siang Lee exhibited research on the language and linguistics of non-verbal children with autism. According to the researcher, the non-verbal children diagnosed with ASD interact and communicate among them or with their parents using a unique sound of feature namely as vocal stimming. Their findings reveal that there is opportunity for the non-verbal children with autism to be well accepted in the community. In the future, sophisticated technology able to assist them by translating their sound of feature or voice language to be understood by the community.



However, this required a continued and vibrant research. Other institutions or agencies can emulate this event to boost community acceptance of autistic people. Workshops, carnivals, sharing sessions, and scientific presentations about autism can help people with autism live in the community in a variety of ways. On the basis of that, these kind of events related to autism can help people with autism to live in the community in several ways:

1. **Awareness and Understanding:** These events can help to raise awareness and understanding of autism among the public, thus reducing stigma and promoting acceptance of people with autism.
2. **Skills Development:** Workshops and scientific presentations can provide opportunities for individuals with autism to acquire knowledge and develop skills that can be useful in daily life.
3. **Networking:** Sharing sessions and carnivals able to provide opportunities for individuals with autism and their families to connect with others in the autism community, building a network of support.
4. **Inclusion:** By participating in these events, people with autism can feel included in their community and experience a sense of belonging.

In summary, the role of Khalifah can be acquainted with the events that can help people with autism to live in the community by raising awareness, promoting understanding, providing opportunities for skill development, building networks of support and promoting inclusion



ASMARANI BINTI AHMAD PUZI

ASSISTANT PROFESSOR
DEPARTMENT OF COMPUTER SCIENCE



RESEARCH EXPERTISE

Biomedical signal processing,
Sensor interfacing,
Software development,
Internet of Things (IoT)

QUALIFICATION

Ph.D in Engineering

PROFESSIONAL MEMBERSHIP

'PERINTIS- Persatuan Saintis Muslim Malaysia, IEEE - the Institute of Electrical and Electronics Engineers, BEM – Board of Engineers Malaysia

ACHIEVEMENT AND AWARDS

Motion-U 2023-Best Technology Award

CONTACT

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ABOUT ME

In 2021, I embarked on an academic career as an Assistant Professor at Kulliyah of Information and Communication Technology (KICT), IUM, after serving as a software engineer in the industry for several years. I obtained both my doctoral and bachelor's degrees from IUM. I was appointed as a Guest Lecturer at Universitas Negeri Semarang (UNNES) in August 2022. I am eager to delve into the exciting fields of biomedical signal processing and intelligent system integration, particularly in rehabilitation, where technology can assist doctors and therapists in monitoring patients' health. With a keen interest in the potential of IoT to revolutionize human-technology interaction, I am committed to making meaningful contributions to this rapidly evolving field.

RESEARCH GRANTS

- Fundamental research Grant Scheme (FRGS) - Principal Investigator- Formulation of Transfer Learning to Muscle Spasticity Characteristics Model for Quantifying the Clinical Assessment of Neurological Disorder Patients - (Sept 2022- Sept 2024)
- IUM-UMP Research Grant - Co-Researcher - Vision-Based Vehicle Detection Using Deep Learning (Oct 2022- Sept 2024)

CONSULTATION PROJECTS

- IoT Developer Subject Matter Expert to Silverseeds Lab Network (March 2023-March 2024)

RECENT PUBLICATIONS

- Machine learning facemask detection models for COVID-19 (2022). In: 2022 IEEE International Conference on Semiconductor Electronics (ICSE)
- Design of mobile application for SME business sustainability during post Covid-19 (2022). In: 2022 International Visualization, Informatics and Technology Conference (IVIT),
- Modelling a Smart Parking Management System (SPMS) based on integrated IoT (2022). Multidisciplinary Applied Research and Innovation (MARI), 3 (4) pp. 72-81
- Analysis and design of low power consumption 8T and 10T full adder CMOS technology (2022). In: 2022 IEEE 13th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON)
- Social distancing monitoring system using deep learning (2022). Knowledge Engineering and Data Science (KEDS), 5 (1) pp. 17-26

MOHD. IZZUDDIN BIN MOHD. TAMRIN

**ASSISTANT PROFESSOR
DEPARTMENT OF INFORMATION SYSTEMS**

**RESEARCH EXPERTISE**

Machine learning, Artificial Intelligence

QUALIFICATION

Doctor of Philosophy (Information Technology), International Islamic University Malaysia

PROFESSIONAL MEMBERSHIP

MBoT, IEEE, ACM

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<https://scholar.google.com/citations?user=i0YZb08AAAAJ&hl=en&oi=ao>

ABOUT ME

I received my B.IT (Hons) degree in Information System Engineering (2004) from Multimedia University, M.IT degree (2005) from University of Melbourne and Ph.D degree (2013) from International Islamic University Malaysia. I am an Assistant Professor at the Kulliyyah of Information and Communication Technology teaching Database Systems, Database Programming, Information Retrieval Technologies, Data Communications and e-Commerce. I am attached to the Processors and Modelling research cluster and I am currently working on defining new variants of theoretical models for molecular stochastic and fuzzy operations performed on DNA molecules. My other research is focusing on extracting minimal microvascular features from retina and applying machine learning techniques to construct optimal predictor for cardiovascular disease.

RESEARCH GRANTS

- Predicting Spatial Displacement based on Intraocular Image Design using Convolution Neural Network (2020-2021)
- IIUM Blue Light Hazard App: Transferring Optical Knowledge on the Circadian and Retinal Hazard of Blue Light to the Malaysian Optometrists (2019 - 2021)
- Analysis and Design of Unsupervised Federated Intelligence for Early Lung Cancer Screening (2019 - 2022)
- Application of Machine Learning Techniques on Biomedical Images (2018 - 2020)

RECENT PUBLICATIONS

- An empirical study of smart cities framework adoption for sustainable living in Province Balochistan of Pakistan. Journal of Networking and Communication Systems, 5 (2) pp. 1-9 (2022)
- Unsupervised chest X-ray opacity classification using minimal deep features. International Journal of Advanced Computer Science and Applications, 13 (3) pp. 259-262 (2022)
- Volume of interest-based fractal analysis of Huffaz's Brain. Fractal and Fractional, 6 (7) pp. (2022)
- Postsurgery classification of best-corrected visual acuity changes based on Pterygium Characteristics using the Machine Learning Technique. The Scientific World Journal, 2021 () pp. 1-7 (2021)
- Predicting spatial displacement based on intraocular image design using convolution neural network - preliminary findings. Journal of Information Systems and Digital Technologies, 3 (1) pp. 74-82

PROPOSAL DEFENSE



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KICT

Congratulations for Completing on Proposal Defense



MANSOORI JALATKHAN (G2119159)
Doctor Of Philosophy (Computer Science and Information Technology)

Thesis Title:
Examining the Factors Influencing the Fintech Affective Interactive Experience

Date of Proposal Defense:
13th February 2023

Chairman:
Prof. Dr. Abdul Wahab Abdul Rahman

Examiner:
Asst. Prof. Dr. Hazwani Bt. Mohd Mohadis (DIS)
Asst. Prof. Dr. Marini Binti Othman (DIS)



SUPERVISORY COMMITTEE:
Main Supervisor: Assoc. Prof. Dr. Adamu Abubakar Ibrahim
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Co-Supervisor : Asst. Prof. Dr. Rizal Bin Mohd. Nor

OFFICE OF DDPGR, KICT
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COMPUTING PROJECT



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Congratulations for Completing Computing Project



ABDUL MANAN
Master of Information Technology (MIT)

Title:
IMPACT ON HIGHER EDUCATION IN KASHMIR DUE TO INTERNET BLOCKADE IN COVID PANDEMIC

Date of Presentation:
21 February 2023

Examiner:
Asst. Prof. Dr. Rawad Abdulkhaleq



MAIN SUPERVISOR
Asst. Prof. Dr. Sharyar Wani

Office of DDPGR, KICT
connect,engage,serve

ACHIEVEMENTS AND RECOGNITIONS

THANK YOU
FOR YOUR CONTRIBUTION AS
ACADEMIC FELLOW IN KICT
2022 - 2023



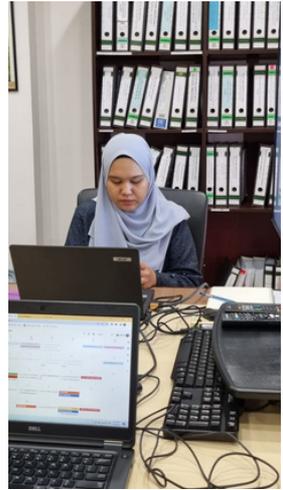
THANK YOU
FOR YOUR CONTRIBUTION AS
ASSISTANT ADMINISTRATIVE OFFICER IN
OFFICE OF DEPUTY DEAN POTSGRADUATE AND
RESPONSIBLE RESEARCH AND INNOVATION
2020-2023



CONGRATULATIONS
ON THE NEW APPOINTMENT AS
ASSISTANT ADMINISTRATIVE OFFICER IN
OFFICE OF DEPUTY DEAN POTSGRADUATE AND
RESPONSIBLE RESEARCH AND INNOVATION



ACTIVITY



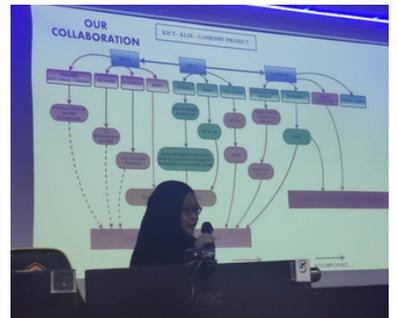
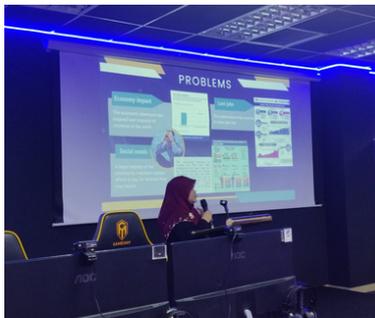
**FULL ACCREDITATION MQA 02
P_CST & M_CST (RESEARCH)**



ACTIVITY



RECTOR'S VISIT KULLIYAH OF INFORMATION & COMMUNICATION TECHNOLOGY



ACTIVITY



**MOA SIGNING CEREMONY
WITH STROKELAB**





WORKSHOP RESEARCH UNIT 2 PCBDG





MALAYSIA BOARD OF TECHNOLOGISTS (MBOT) BRIEFING



TALK/SEMINAR



**FRGS COACHING SESSION
DECEMBER 2022 - 7 MARCH 2023
COACH:**

**PROF. DR. ABDUL WAHAB ABDUL RAHMAN
PROF. EMERITUS DATO' DR. TENGKU MOHD TENGKU SEMBOK**



TALK/SEMINAR



ChatGPT

What is ChatGPT?

HOW TO USE CHATGPT FOR ISLAM

DR IZANI ZAINAL

Associate Member
CENTRE FOR INNOVATIVE SYSTEMIC DESIGNS IN APPLICATION AND CONTENT (CISDAC), Faculty of Creative Multimedia, Multimedia University

Venue: Block E, Room E5-01, Level 5, KICT Building, IIUM

FEB | 28th | 2023

Time: 9 am to 12 noon

Registration fees: RM50

Register Here:
bit.ly/CGPTWorkshop

Organized by:
Wadah, IIIT-ESEA, ICT and Islam RU, Semantic RU

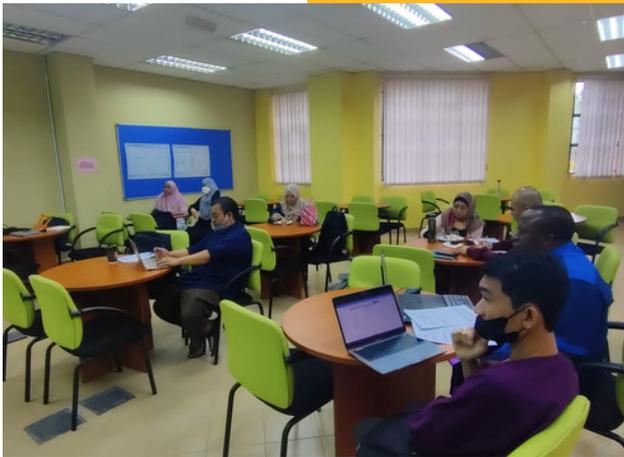
WORKSHOP ON CHATGPT



TALK/SEMINAR



**FRGS WORKSHOP WITH
PROF. TS. DR. ROSZIATI IBRAHIM
FROM UTHM**



PUBLICATION

(SUBMISSION IN IREP FOR FEBRUARY 2023)

1. Ahmad Dahlan, Abdul Rahman and Alias, Majdan and Ibrahim, Jamaludin and Ahmad H.Osman, Rahmah and Mhd. Sarif, Suhaimi and Jaapar, Ghazali and Man, Saupi and Abdul Razak, Dzuljastri and Mohd Ali, Noor Azian and Mohamadali, Noor Azizah and Abdul Aziz, Normaziah and Mahri, Nurhafizah and Ismail, Amelia Ritahani and Abdul Kadir, Andi Fitriah and Mansor, Hafizah and Mohd Nor, Rizal and Ismail, Ahsiah and Ahmad Puzi, Asmarani and Zulkifli, Izyani and Saruchi, Sarah Athirah and Murdipi, Rafiqa and Ahmad, Maznah and Handayani, Dini Oktarina Dwi and Mohammed, Siti Asma and Abdul Hamid, Zabeda and Mohd. Zain, Nor Razinah and Abdul Rahman, Rozailin and Md Nor, Norzaliza (2023) mKitchen™ towards Masyarakat Madani. mKitchen KICT IIUM, KENMS IIUM Gombak Malaysia. ISBN 9789672656999
2. Ahmad Dahlan, Abdul Rahman and Alias, Majdan and Ibrahim, Jamaludin and Ahmad H.Osman, Rahmah and Mhd. Sarif, Suhaimi and Jaapar, Ghazali and Man, Saupi and Mohd Ali, Noor Azian and Mohamadali, Noor Azizah and Mahri, Nurhafizah and Ismail, Amelia Ritahani and Abdul Kadir, Andi Fitriah and Mansor, Hafizah and Mohd Nor, Rizal and Ismail, Ahsiah and Zulkifli, Izyani and Saruchi, Sarah Athirah and Murdipi, Rafiqa and Ahmad, Maznah and Handayani, Dini Oktarina Dwi and Mohammed, Siti Asma and Abdul Hamid, Zabeda and Mohd Zain, Nor Razinah and Abdul Rahman, Rozailin and Md Nor, Norzaliza and Abdul Razak, Dzuljastri and Abdul Aziz, Normaziah and Ahmad Puzi, Asmarani (2023) Rumah Makan mKitchen for Free Food Distribution. mKitchen, KICT IIUM, Gombak, Kuala Lumpur. ISBN 978-967-26569-8-2
3. Hassan, Azizah and Salleh, Norsaremah and Ismail, Mohd Nasir and Ahmad, Mohammad Nazir and Che Hussin, Ab Razak (2023) Empirical evaluation of continuous auditing system use: a systematic review. International Journal of Electrical and Computer Engineering (IJECE), 13 (1). pp. 796-808. ISSN 2088-8708 E-ISSN 2722-2578
4. Mahmoud, Al-shami and Abdulghafor, Rawad Abdulkhaleq Abdulmolla and Abdulaziz, Aborujilah and Yagoub, Abubakar and Sherzod, Turaev and Mohammed A. H., Ali (2023) COVID-19 tracking applications acceptance among general populace: an overview in Malaysia. Sustainability, 15 (5). pp. 1-13. ISSN 2071-1050
5. Mamat, Normaisharah and Othman, Mohd Fauzi and Abdulghafor, Rawad Abdulkhaleq Abdulmolla and Alwan, Ali A. and Gulzar, Yonis (2023) Enhancing image annotation technique of fruit classification using a deep learning approach. Sustainability, 15 (2). pp. 1-19. ISSN 2071-1050
6. Mohammed A. H., Ali and Muhammad, Baggash and Jaloliddin, Rustamov and Abdulghafor, Rawad Abdulkhaleq Abdulmolla and Najm Al-Deen N., Abdo and Mubarak H. G., Abdo and Talep S., Mohammed and Ameen A., Hasan and Ali N., Abdo and Sherzod, Turaev and Yusoff, Nukman (2023) An automatic visual inspection of oil tanks exterior surface using unmanned aerial vehicle with image processing and cascading fuzzy logic algorithms. Drones, 7 (2). pp. 1-25. ISSN 2504-446X
7. Salleh, Norsaremah and Ya'au, Badamasi Imam and Nordin, Azlin (2023) *Towards understanding the influence of personality and team behaviors on requirements engineering activities*. International Journal of Electrical and Computer Engineering (IJECE), 13 (3). pp. 3244-3254. ISSN 2088-8708 E-ISSN 2722-2578
8. Ahmad Dahlan, Abdul Rahman and Alias, Majdan and Ibrahim, Jamaludin and Ahmad H.Osman, Rahmah and Mhd. Sarif, Suhaimi and Jaapar, Ghazali and Man, Saupi and Abdul Razak, Dzuljastri and Mohd Ali, Noor Azian and Mohamadali, Noor Azizah and Abdul Aziz, Normaziah and Mahri, Nurhafizah and Ismail, Amelia Ritahani and Abdul Kadir, Andi Fitriah and Mansor, Hafizah and Mohd Nor, Rizal and Ismail, Ahsiah and Ahmad Puzi, Asmarani and Zulkifli, Izyani and Saruchi, Sarah Athirah and Murdipi, Rafiqa and Ahmad, Maznah and Handayani, Dini Oktarina Dwi and Mohammed, Siti Asma and Abdul Hamid, Zabeda and Mohd. Zain, Nor Razinah and Abdul Rahman, Rozailin and Md Nor, Norzaliza (2023) mKitchen™ towards Masyarakat Madani. mKitchen KICT IIUM, KENMS IIUM Gombak Malaysia. ISBN 9789672656999
9. Ahmad Dahlan, Abdul Rahman and Alias, Majdan and Ibrahim, Jamaludin and Ahmad H.Osman, Rahmah and Mhd. Sarif, Suhaimi and Jaapar, Ghazali and Man, Saupi and Mohd Ali, Noor Azian and Mohamadali, Noor Azizah and Mahri, Nurhafizah and Ismail, Amelia Ritahani and Abdul Kadir, Andi Fitriah and Mansor, Hafizah and Mohd Nor, Rizal and Ismail, Ahsiah and Zulkifli, Izyani and Saruchi, Sarah Athirah and Murdipi, Rafiqa and Ahmad, Maznah and Handayani, Dini Oktarina Dwi and Mohammed, Siti Asma and Abdul Hamid, Zabeda and Mohd Zain, Nor Razinah and Abdul Rahman, Rozailin and Md Nor, Norzaliza and Abdul Razak, Dzuljastri and Abdul Aziz, Normaziah and Ahmad Puzi, Asmarani (2023) Rumah Makan mKitchen for Free Food Distribution. mKitchen, KICT IIUM, Gombak, Kuala Lumpur. ISBN 978-967-26569-8-2
10. Mohd Zanan, Muhammad Faris Basheer and Sheikh Abdul Aziz, Madihah (2023) *Visual design elements for data storytelling based on personality traits: a case of undergraduate students*. Journal of Applied Technology and Innovation, 7 (1). pp. 42-51. E-ISSN 2600-7304
11. Muhamad Ibrahim, Najhan and Ismail, Amelia Ritahani (2023) *Big data framework to evaluate and analyze Notational Covid-19 Immunization Programmed (NCIP) in Malaysia: a comparative study*. Journal of Engineering Science and Technology (JESTEC). ISSN 1823-4690 (In Press)

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TITLE :PENDEKAR SIBER

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- 1. ASST. PROF. DR NURUL NUHA BINTI ABDUL MOLOK**
- 2. ASST. PROF. TS. DR. ZAHIDAH BINTI ZULKIFLI**
- 3. PROF. DATO' DR. MOHAMED RIDZA BIN WAHIDDIN:**