AN INTERNATIONAL AWARD-WINNING INSTITUTION FOR SUSTAINABILITY

LEADING THE WAY
KHALIFAH - AMANAH - IQRA' - RAHMATAN LIL-'ALAMIN
LEADING THE WORLD

KICT

KICT NEWSLETTER

Issues No.2/2023 **February 2023**

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MOTIVATIONAL QUOTE

"Sell this life for the next and you win both of them. Sell the next life for this and you lose both of them."
Hasan Al-Basri

Article of the month

SITI ASMA MOHAMMED

QUALITY INFORMATION IS THE NEW CURRENCY

Forget dollars, bitcoins, the currency of the world in this modern age is a quality information. Data and information are frequently used interchangeably, since information can be shared with others and from one point of view, it becomes primary or secondary data to that person. The same data can carry different meanings of quality for different uses. Thus, information quality depends on the context in which information is produced and used. Context refers to the purpose, meaning, presentation and use of information produced under certain policies and procedures. Information quality of an information system can be improved if the information users are aware of the processes involved in the data design, data production, and data use in order to meet task goals and requirements. The quality assurance of an information can be carried out as early as during the early stages of system development according to the information life cycle, which entails planning activities for information quality requirements, followed by the conversion of existing data into information (information production) that will be used by the user. Most of the times, information quality is shaped by the interactions between the people, technology, and the organization. These are the three critical factors that influence the production of information accuracy, timeliness, completeness, reliability, and relevancy. Training, motivation, education, awareness of the quality and management of the information are among the important criteria that will affect the quality of information. Other than that, the correct use of information system will also affect the quality of information. Users should be more skillful and knowledgeable when using an information system which will lead to quality information production. Therefore, a data governance model is essential in establishing the roles and responsibilities of these stakeholders based on agreed policies, standards, guidelines and business rules. Data governance ensures that any decisions about business processes, data and technology are submitted to and influenced by the right individuals. In conclusion, a quality information should be understood by everyone in completing and achieving specific goal.

ELIN ELIANA ABDUL RAHIM

ASSISTANT PROFESSOR
DEPARTMENT OF INFORMATION SYSTEMS

RESEARCH EXPERTISE

Human Computer Interaction, e-Learning, Virtual Reality, Augmented Reality, Computer based Education

QUALIFICATION

Ph.D. in Information Systems - Doctor of Philosophy, Lincoln University, New Zealand

PROFESSIONAL MEMBERSHIP

Member of ACM Special Interest Group on Computer-Human Interaction (SIGCHI), Member of Association for Computing Machinery (ACM), Lifetime member of myHCI-UX (Kuala Lumpur ACM SIGCHI Local Chapter)

CONTACT

elin@iium.edu.my

https://scholar.google.com/citations?user=rwK85KYAAAAJ&hl=en&oi=ao

ABOUT ME

Before joining IIUM, I was a Senior Lecturer in UiTM Melaka (Jasin Campus). I was appointed as a Visiting Lecturer to Universitas Negeri Semarang (UNNES) in Sept 2018 and subsequently a Guest Lecturer during Semester February 2022 - July 2022. I love researching online learning and educational technology, as I love seeing how technology could be used to improve student understanding. I have led two research grants - RAGS /MOHE (2015-2017) and UiTM Melaka TEJA Internal Grant (2020), where both research topics were related to online learning.

RESEARCH GRANTS

- The Development of Video and E-Learning Material for CIDB Sustainable INFRASTAR Facilitator Course, Project member (2022).
- UiTM TEJA Internal Grant – Principle Investigator - Exploring the issues of Online Distance Learning (ODL) during COVID-19 (June 2020 – December 2020).
- Research Acculturation Grant Scheme (RAGS) – Principle Investigator - Instructional Model Based On The Effects Of The Instructors Involvement On The Students' Satisfaction Of Using Blended Learning (Dec 2014 - May 2017).

CONSULTATION PROJECTS

- Patient Management System - SINAR Hemodialysis Sdn. Bhd. (Nov 2020 – Feb 2021).
- PC Maintenance Workshop – Ministry Of Defence Malaysia (MinDef) (February 2018).

RECENT PUBLICATIONS

- Ahmadon, F., Selahuddeen, M.Z, Abdul Rahim, E.E, Rusli, H.M (2022) Matching Game Genre with Lesson Content – A Development of Blood Circulation Racing Game. International Conference on Global Optimization and Its Applications 2022 (ICoGOIA 2022), *Pending Publication*
- Abdul Rahim, E. E., Daud, N., Abdul Kadir, S. A. and Jamil, N. W., "Students' Perceptions of Open and Distance Learning (ODL) for Theoretical and Lab-Related Subjects," 2020 IEEE Conference on e-Learning, e-Management and e-Services (IC3e 2020), 17 – 19 November 2020.
- Zulkanain, N. A. and Abdul Rahim, E. E., "A Guideline for the Development of Blended Learning Platform Based on the Observation of Students' Reaction in a Virtual World," 2017 10th International Conference on Developments in eSystems Engineering (DeSE), Paris, 2017, pp. 115-119.

NORZARIYAH BINTI YAHYA

ASSISTANT PROFESSOR
DEPARTMENT OF COMPUTER SCIENCE

RESEARCH EXPERTISE

Software Testing, Empirical Research in Software Engineering, Agile Development

QUALIFICATION

Ph.D in Computer Science - Doctor of Philosophy, International Islamic University Malaysia

ACHIEVEMENT AND AWARDS

Malaysia Technology Expo 2022 - Gold and Outstanding Awards,
PECIPTA 2022 - Gold Award,
5th National Conference on Shariah Compliant Hospital 2022 - 1st place

CONTACT

norzariyah@iium.edu.my

https://orcid.org/0000-0002-3369-5668

ABOUT ME

I am an Assistant Professor at Kuliyyah of Information Communication and Technology, International Islamic University Malaysia (IIUM). My research interest is Software Engineering in agile development, software testing, and quality. I am currently exploring blockchain technology. I can be contacted at email: norzariyah@iium.edu.my.

RESEARCH GRANTS

- 2021 – Present: Development of Shariah Compliance Monitoring System for Implementation in Shariah Compliant Hospital Framework
- 2021 – Present: Flagship proposal on Sustainable Social Bank (SSB)
- 2021 – Present: THE ADOPTION OF SOCIAL SUSTAINABLE BANK FRAMEWORK IN THE STATE OF PERLIS
- 2021 – Present: The Study on the Implementation of Biometric-Computer-on-Card
- 2021 – Present: A Software Testing Framework for Assessing the Quality of Blockchain Systems
- 2020 – Present: The establishment of a Robust Framework for the Issuance of Central Bank Digital Currency (CBDC) in Malaysia
- 2019 – Present: Secure Hybrid Agile Software Development Lifecycle Framework for Software Engineering Process

CONSULTATION PROJECT

- Consultant for The Study on the Implementation of Biometric-Computer-on-Card

RECENT PUBLICATIONS

- The Waterfall Model with Agile Scrum as the Hybrid Agile Model for the Software Engineering Team," 2022 10th International Conference on Cyber and IT Service Management (CITSM), 2022, pp. 1-5, doi: 10.1109/CITSM56380.2022.9936036.
- Testing in Blockchain-based Systems: A Systematic Review, 10th International Conference on Cyber and IT Service Management (CITSM), 2022, pp. 1-6, doi: 10.1109/CITSM56380.2022.9935846.
- The Central Bank Digital Currency in Malaysia: A Literature Review. In: Alareeni, B., Hamdan, A. (eds) Innovation of Businesses, and Digitalization during Covid-19 Pandemic. ICBT 2021. Lecture Notes in Networks and Systems, vol 488. Springer, Cham. https://doi.org/10.1007/978-3-031-08090-6_18

Achievements and Recognitions

SECURED GRANT

SECURED CONSULTANCY PROJECT

STEM CHALLENGE 2022

Sekolah Sultan Alam Shah STEM Challenge 2022

ATIKAH BALQIS BINTI BASRI, DINI OKTARINA DWI HANDAYANI , AHSIAH BINTI ISMAIL
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The science and mathematics department of Sultan Alam Shah School in Putrajaya was organizing the Science, Technology, Engineering and Mathematics (STEM) Challenge 2022 competition on Wednesday 16th November. The teacher-in-charge contacted and requested support from Higher Learning Institution academicians as the juries for the STEM Challenge. The categories are as the following:

Form 1 = exploration (16 teams);
Form 2 = STEM biodiversity (36 teams);
Form 3 = design and tech (22 teams);
Form 4 = co-curriculum innovation (18 teams)

The event took place between 9 am to 1 pm. Three lecturers from Kulliyah of Communication Information and Technology were appointed as juries for that challenge together with ten lecturers from Kulliyah of Engineering IIUM. There are several of the best innovative products and ideas selected to win special awards and three of them received a grant award for the advancement of their ideas.

STEM CHALLENGE 2022

OBJECTIVES OF STEM

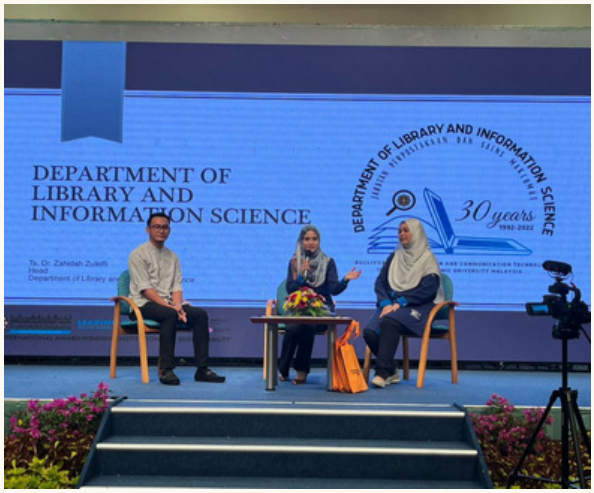
Create opportunities for students to think critically and work autonomously in some instances, or in others, to work together in teams, strengthening collaborative and social skills

STEM CHALLENGE

SAMPLE OF INNOVATION

Achievements and Recognitions

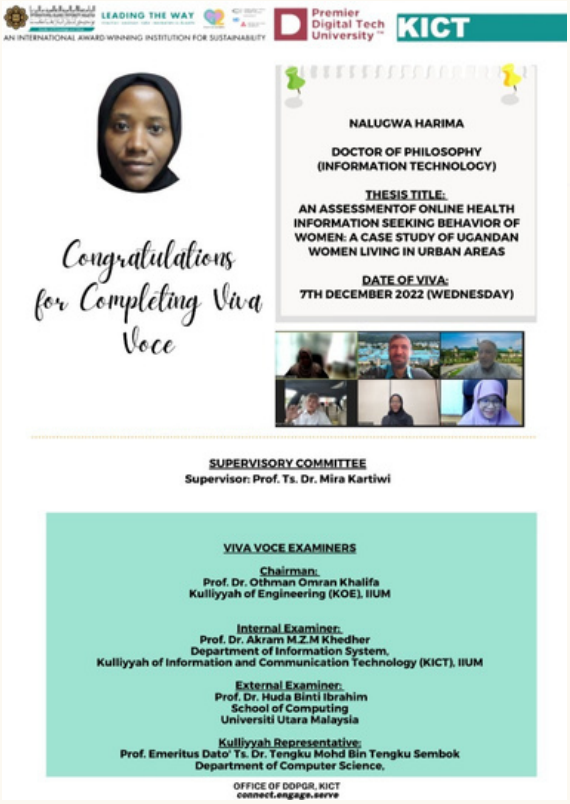
KUCHING BOOK FAIR, DLIS SESSION



Achievements and Recognitions

Achievements and Recognitions

VIVA VOCE



COMPUTING PROJECT

Achievements and Recognitions

DISSERTATION

PROPOSAL DEFENSE

MKITCHEN

MKITCHEN ACTIVITY WITH PPR LEMBAH SUBANG

ASSOC. PROF. TS. DR. NORMI SHAM AWANG ABU BAKAR

EVENT:
"SUSTAINABILITY TODAY,FOR A BETTER TOMORROW"

Sustainability Impact Forum in Conjunction with Malaysia GPM Sustainability Awards 2022
Date - 11 January 2023
Venue - Bukit Kiara Equestrian Club, Kuala Lumpur

TITLE:
THE IMPLEMENTATION OF TIME BANK TO SUPPORT COMMUNITY ENGAGEMENTS

Talk/Seminar

DLIS INDUSTRIAL TALK SERIES

Publications (Submission in IREP for January 2023)

1. David, Dianes and Alamoodi, A. H. and Albahri, O. S. and Zaidan, B. B. and Zaidan, A. A. and Garfan, Salem and Ismail, Amelia Ritahani and Albahri, A. S. and Alsinglawi, Belal and Malik, R. Q. (2023) Landscape of sign language research based on smartphone apps: coherent literature analysis, motivations, open challenges, recommendations and future directions for app assessment. Universal Access in the Information Society, 21 (4). pp. 1-16. ISSN 1615-5289 E-ISSN 1615-5297
2. Harnum Junaidi, Putri Sakinah Fikriah and Imi, Nur Amira and Zakaria, Noor Azura and Abdul Karim, Ruwinah and Lubis, Muharman and Mat Rejab, Mazidah (2023) *Evaluating usability of learning disability assessment system*. In: 8th International Conference on Computing, Engineering and Design (ICCED), Sukabumi, Indonesia.
3. Khatun, Shafia and Salleh, Norsaremah (2023) An empirical study on the role of work ethics and emotional intelligence on software engineers' work performance and job satisfaction. In: 8th IEEE International Conference on Computing, Engineering and Design (ICCED), Sukabumi, Indonesia.
4. Kong, Shien Nie and Handayani, Dini Oktarina Dwi and Mun, Hou Kit and Chong, Pei Pei and Mantoro, Teddy (2023) Cervical cancer identification using deep learning approaches. In: 8th International Conference on Computing, Engineering, and Design (ICCED 2022), Sukabumi, Indonesia (Virtual Conference).
5. Nordin, Azlin and Musleh, Islah Mohammad and Abdul, Ro Zac (2023) Design and development of the e-review: an online requirements review tool based on reading techniques. International Journal on Perceptive and Cognitive Computing (IJPCC), 9 (1). pp. 80-87.
6. Olowolayemo, Akeem and Daud, Nuha Hafizah and Tanni, Maymuna Gulfam and Omar Ba Khadher, Mohammed Abdullah (2023) An all-inclusive digital framework for collaborative community transformation for sustainable development. International Journal on Perceptive and Cognitive Computing, 9 (1). pp. 1-13. E-ISSN 2462-229X
7. Olowolayemo, Akeem and Mohammed Raashid Salih, Mohammed Yasin (2023) Predicting mortality risk of Covid-19 patients using chest X-rays. International Journal on Perceptive and Cognitive Computing, 9 (1). pp. 33-43. E-ISSN 2462-229X
8. Suryady, Zeldi and Abdul Rahman, Abdul Wahab and Handayani, Dini Oktarina Dwi (2023) Towards the development of affective recognition using heart sound signal: a proposal. In: 2022 IEEE 8th International Conference on Computing, Engineering and Design (ICCED), Sukabumi, Indonesia (Virtual Conference).
9. Ahmed Mohamed, Fatima and S. Abd. Aziz, Madihah and Mahmud, Murni (2023) Cues to deception in Islamic websites text and design: a case study approach. International Journal on Perceptive and Cognitive Computing (IJPCC), 9 (1). pp. 14-23. E-ISSN 2462-229X
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. Md Nor, Nor Saadah and Junurham, Nur Leyni Nilam Putri (2023) Safeguarding audiovisual collections: between responsibility and interest. KICT Newsletter, 2023 (1). pp. 1-3.