





APRIL/2024



NEWSLETTER

NO.4/2024

EDITORIAL BOARD MEMBERS	TABLE OF CONTENTS	
Advisor: • Assoc. Prof. Dr. Norsaremah Salleh	KICT Expert	1
Chief Editor:	Article of the month	S
Asst. Prof. Dr. Noor Azura Zakaria Editors:	Achievements and Recognitions	3
 Asst. Prof. Ts. Dr. Hafizah Mansor Asst. Prof. Ts. Dr. Dini Oktarina Dwi Handayani Asst. Prof. Dr. Elin Eliana Abdul Rahim 	Activity	7
Asst. Prof. Dr. Atikah Balqis Basri Asst. Prof. Dr. Nor Saadah Md Nor	Talk/Seminar	10
Designer Designer	Publications	11
• Sr. Nurlaili Sanadi	Copyright	12
		The second second

Motivational Quote

"O you who believe! Be upright for God, and be bearers of justice. Let not hatred of a people incite you not to act equitably. Be just; that is nearer to righteousness.

And fear God; surely God is aware of what you do.

(Al-Maaidah, 5:8)

KICT EXPERT

RESEARCH EXPERTISE

Intelligent Environment, Artificial Intelligence, Image Processing, TRIZ Systematic Innovation

QUALIFICATION

- · PhD Computer Science (Perceptive Computing, Pervasive Computing & Artificial Intelligence)
- · Master of Information Technology -Masters Degree, International Islamic University Malaysia
- · Bachelor in Computer Science with minor in Economics (Honours) -Bachelor Degree, Obafemi Awolowo University, ile-ife

PROFESSIONAL MEMBERSHIP

MyTRIZ Malaysia

CONTACT



akeem@live.iium.edu.my

https://scholar.google.com/citations? hl=en&user=bMYRIYgAAAAJ&view_op= list_works&sortby=pubdate

AKEEM OLOWOLAYEMO

ASSISTANT PROFESSOR DEPARTMENT OF COMPUTER SCIENCE

ABOUT ME

I am currently an Assistant Professor at the Department of Computer Science, International Islamic University, Malaysia (IIUM). I hold a PhD in Computer Science (2015) (Pervasive Computing, Perceptive Computing & Location-based Services: Positioning & Navigation using Smart Systems), from the International Islamic University, Malaysia (IIUM). I equally worked as a lecturer after completing my PhD in 2015 at the Faculty of Cognitive Science & Human Development, University of Malaysia, Sarawak (2016-2019), where I taught TRIZ-Theory of Inventive Problem Solving and Artificial Intelligence (AI) courses, such as Natural Language Processing, Computer Vision, Linear Algebra, and Data Science. I am a certified Level-2 Theory of Inventive Problem Solving (TRIZ) practitioner and currently teach Computing, Artificial Intelligence, Innovation and Sustainable Development courses at the International Islamic University, Malaysia. My current research focuses on Image processing & Computer Vision, especially in Medical Domains, Natural Language Processing as well as Sustainable Development & Systematic Innovation.

RESEARCH GRANTS

A Framework for Collaborative Community Development, start date: 23 December 2020. Amount RM 20000.

RECENT PUBLICATIONS

- A Faisal, M Ismail, A Olowolayemo. Smart Campus Food Ordering and Recommendation System with Emotion Booster: A First Design. International Journal on Perceptive and Cognitive Computing 10 (1), 90-
- SMS Moustafa, A Olowolayemo. Classifying Muslim Ideologies from Islamic Websites using Text Analysis Based on Naive Bayes and TF-IDF. International Journal on Perceptive and Cognitive Computing 10 (1), 8-15,
- A Olowolayemo, WK Shams, AYI Omer, Y Mohammed, RS Batha. Covid-19 Mortality Risk Prediction Using Small Dataset of Chest X-Ray Images. Artificial Intelligence and Applications (AIA) 1 (4), 2023.
- SM Omar, M Kimwele, A Olowolayemo, DM Kaburu. Enhancing EEG signals classification using LSTM-CNN architecture. Engineering Reports, e12827, 1,
- · AAM Abdallah Saidi Mpawenimana, Seik Yng Tang, Akeem Olowolayemo, Nafisah Adeyemi. Understanding the Determinants of Cryptocurrencies Adoption Among Young Malaysians
- Journal of Information Systems and Digital Technologies 5 (1), 60-75, 1,
- A Olowolayemo, MG Tanni, IA Emon, U Ahhmed, AM Dzahier, MR Safin. Conversational Analysis Agents for Depression Detection: A Systematic Review. Journal of Integrated and Advanced Engineering (JIAE) 3 (1), 47-64, 1, 2023.
- · A Olowolayemo, NH Daud, MG Tanni, MAOB Khadher. An All-Inclusive Digital Framework for Collaborative Community Transformation for Sustainable Development. International Journal on Perceptive and Cognitive Computing 9 (1), 1-13, 2023
- A Olowolayemo, M Yasin, MR Salih. Predicting Mortality Risk of Covid-19 Patients Using Chest X-Rays. International Journal on Perceptive and Cognitive Computing 9 (1), 33-43, 2, 2023
- AA Khalaf, AHA Hashim, A Olowolayemo, RF Olanrewaju. Generative Interactive Psychotherapy Expert (GIPE) Bot. International journal of computer science and network security: IJCSNS 23 (4, 2023)

ARTICLE OF THE MONTH



Nurazlin Zainal Azmi
Department of Information Systems
nurazlinazmi@iium.edu.my

OUTCOME-BASED EDUCATION SERIES #1 - WRITING THE COURSE LEARNING OUTCOMES THE OBE WAY

One of the major efforts made by the Malaysian Qualification Agency (MQA) is the shift towards Outcome-Based Education (OBE) in the Malaysian Education System. This effort is to ensure that graduates will acquire more relevant skills for industry and other stakeholders.

For this purpose, the Programme Learning Outcomes (PLOs) attainment must be assessed and analysed. The analysis will only be accurate if the Course Learning Outcomes (CLOs) are written according to the proposed guidelines.

Writing the CLOs requires an understanding of what skills the students will obtain at the end of the course; be it cognitive (C), psychomotor (P) or affective (A). Once identified, the next step is to use the correct measurable action verb based on the selected C/P/A domain for each CLO.

The rule of thumb when writing a CLO is to make sure that the statement contains the measurable action verb, condition and criteria. It is suggested that each statement should contain only ONE action verb to ease the measurement of the CLO-PLO attainment.

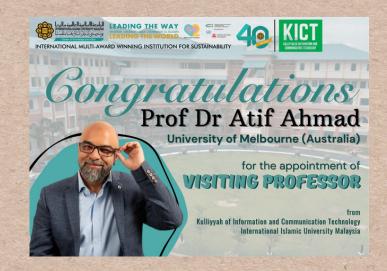
An example of a CLO provided in the Garis Panduan Permohonan dan Kelulusan Program Akademik Baharu document is "to present orally using an ICT technology". In this statement, we can observe that it contains the action verb (to present), the condition (orally) and the criteria (using an ICT technology).

Based on the MQF Learning Outcome Domains, "to present" falls under the Communication Skills and its corresponding Bloom's taxonomy is Affective, thus the suitable assessment method (constructive alignment) in this case would be a presentation. From here, it becomes very clear how we can measure the attainment of this particular CLO, that is by creating a suitable rubric.

Congratulations

APPOINTMENT AS VISITING

PROFESSOR



Congratulations

SECURING RESEARCH GRANT



Congratulations

ON WINNING THE I-CPEX 2023 AWARD







INNOVATION UNLEASHED: EMPOWERING THE FUTURE OF TECHNOLOGY

Congratulations

ON WINNING THE I-CPEX 2023 AWARD



Congratulations

FOR COMPLETING VIVA VOCE





Congratulations

FOR COMPLETING COMPUTING PROJECT



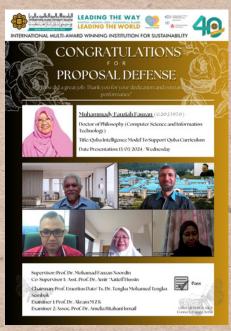


Congratulations

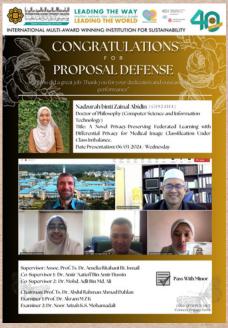
FOR COMPLETING PROPOSAL DEFENSE













ACTIVITY

PROFESSIONAL AND MANAGEMENT ASSOCIATION'S (PMA) MOBILITY PROGRAMME 2023



Zenita Arryani Tiyunin Deputy Director Kulliyyah of Information and Communication Technology

The Professional and Management Association's (PMA) Mobility Programme 2023, held in Istanbul, Turkey from 11 – 19 September 2023, aimed to offer administrators a unique opportunity for global exposure and networking with universities in the vibrant city. Participants were selected based on seniority (Zenita Arryani Tiyunin, Suhaimi Long, Siti Aidah Rabingan, Ayunita Atan, Latifah Ramli and Asmawati Che Ismail) and received a one-time allowance for the trip. The program included visits to prestigious institutions such as Istanbul Sabahattin Zaim University and KOC University, where valuable insights on staff composition, benefits, and library services were shared. The program promoted intercultural learning, facilitated knowledge sharing and promoted the ICSI tool in academic libraries. Beyond professional development, participants immersed themselves in Turkish culture, sampling its renowned cuisine and observing local work practices. Overall, the PMA Mobility Programme provided a comprehensive platform for administrators to broaden their horizons, make international connections, and gain valuable insights into Istanbul's academic landscape while experiencing first-hand its rich cultural heritage.























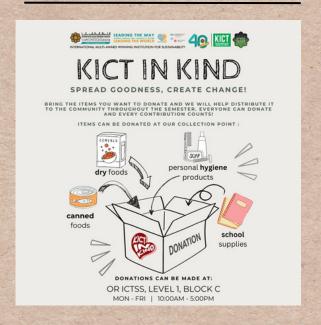






ACTIVITY

KICT IN KIND



KICT POSTGRADUATE BRIEFING SEMESTER 2 2023/2024 FRIDAY MAR 15



KICT RAMADAN PACK 1445











TALK/SEMINAR

EXPLORING THE WONDERS OF IOT CONNECTING SCIENCE WITH FAITH



INTEGRATION OF KNOWLEDGE: NECESSARY SKILLS AND KNOWLEDGE BASE



AI AND DIGITALISATION : ADOPTION OR ADAPTATION



PUBLICATIONS

- 1.A. Kadouf, Hani Hunud and Abdul Rahman, Abdul Wahab and Kamaruddin, Norhaslinda and Abdul Khaiyom, Jamilah Hanum (2024) <u>Affective modelling of eustress and distress using psychological scales.</u> International Journal on Perceptive and Cognitive Computing, 10 (1). pp. 71-78. E-ISSN 2462-229X
- 2. Abubakar, Adamu and Muhammed Yusof, Zulkefli (2024) <u>Streams of data flow in transmission</u> <u>control protocol (TCP) request-response cycle efficiency.</u> International Journal on Perceptive and Cognitive Computing, 10 (1). pp. 79-89. E-ISSN 2462-229X
- 3. Khalaf, Ayesheh Ahrari and Hassan Abdalla Hashim, Aisha and Olowolayemo, Akeem (2024)

 <u>Mutual character dialogue generation with semi-supervised multitask learners and awareness.</u>

 International Journal of Information Technology, 16 (3). pp. 1357-1363. ISSN 2511-2104 E-ISSN 2511-2112
- 4. Maidin, Siti Sarah and Yahya, Norzariyah (2024) An insight into hybrid agile software development approach and software security among software engineers: a critical evaluation.

 Journal of Theoretical and Applied Information Technology, 102 (2). pp. 450-459. ISSN 1992-8645 E-ISSN 1817-3195
- 5. Azidy, Imran Haqeem and Mohammad Ali, Mohammad Mu'izzuddin and Zainal Azmi, Nurazlin and Maarof, Eman Yahya and Kiran, Fatima (2024) Small town settlement Virtual Reality (VR) game. In: 9th International Conference on Computing, Engineering, and Design (ICCED), 7-8 November, 2023, Kuala Lumpur (KICT, IIUM).

COPYRIGHT

Title:

IIUM Clubs Organizer System

Inventor and co-inventor:

- 1. Asst. Prof. Dr. Madihah Bt. S. Abd. Aziz
- 2. Syahmi Amin

Title:

Building eCommerce Website: Guided Module

Inventor and co-inventor:

- 1. Asst. Prof. Dr. Ts. Ahmad Anwar Bin Zainuddin
- 2. Hasbullah Hamizan
- 3. Noor Muhammad Safwan Zainal Abidin
- 4. Aiman Najmi Mat Rosani
- 5. Alin Nur Maisarah Ahmad Razmi
- 6. Nik Nor Muhammad Saifudin Nik Mohd Kamal
- 7. Nur Fatnin Izzati Binti Sidik