

EDITORIAL BOARD MEMBERS

Advisor:

· Assoc. Prof. Dr. Norsaremah Salleh

Chief Editor:

Asst. Prof. Dr. Noor Azura Zakaria

Editors:

- Asst. Prof. Ts. Dr. Hafizah Mansor
- Asst. Prof. Ts. Dr. Dini Oktarina Dwi Handayani
- Asst. Prof. Dr. Elin Eliana Abdul Rahim
- Asst. Prof. Dr. Atikah Balgis Basri
- Asst. Prof. Dr. Nor Saadah Md Nor

Designer

Sr. Nurlaili Sanadi

TABLE OF CONTENTS

Article of the month

Achievements and Recognitions

Activity

5

Talk/Seminar 10

Publications 12

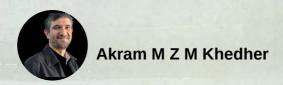
Copyright 14

Motivational Duote

"The source of power is not only youth but the whole community working on it"

Prof. Emeritus Tan Sri Dato' Dzulkifli Abdul Razak

Article of the month



RESEARCH AND PUBLICATIONS IN ISLAMIC PERSPECTIVE

(PART 5: INNOVATION AND CREATIVITY)

This is the fifth article in the series titled "Research and Publications in Islamic Perspective." While the first article discussed the introduction to this subject, the second article focused on the experimental results of the research, the third article discussed the presentation issues that are necessary for any research, and the fourth article discussed the importance of publishing research work and sharing one's knowledge with others, in this article (part 5), we are going to talk about the innovation and creativity that goes into conducting any research.

Islam forbids blindly following without thinking; Allah Almighty says: "... They say: 'Nay! We shall follow what we found our fathers following.' (would they do that!) Even though their fathers did not understand anything, nor were they guided?" (Al-Baqarah: 170).

Blind followership is unacceptable in Islam. A Muslim should use his mind to decipher what he reads and hears and take a stand based on the proofs that appear to be authentic and most convincing to him.

It is also encouraged that a Muslim should be creative in thinking, innovating and inventing. The Messenger of Allah (peace be upon him) says: "If a judge utilizes his skill of judgement and arrives at a right decision, he will have double rewards, but if he uses his judgement and commits a mistake, he will have a single reward." (Øalil al-JÉmi')

This hadith encourages Muslims (who seek Allah's grace in his work) to think, innovate, strive and find solutions by overcoming obstacles and limitations.

Islam requires Muslims to ascertain the information and avoid suspicions. Allah Almighty says: "And most of them follow nothing but conjecture. Certainly, conjecture can be of no avail against truth. Surely, Allah is All-aware of all that they do" (Yunus: 36).

Muslims are required not to believe everything we hear or read blindly. Rather, we should check, confirm, track, and clarify it in order to verify the information we received.

Conclusion: This article emphasizes that Islam discourages blind followership and encourages Muslims to use critical thinking. It highlights the importance of independently deciphering information, being creative in thought, and innovating. The Messenger of Allah PBUH encourages Muslims to think, innovate and find solutions by overcoming obstacles. Additionally, Islam stresses the need to verify information, avoid blind belief, and rely on evidence rather than conjecture.

Article of the month



LEADING THE WAY
KHALIFAH-AMANAH-IGRA'-RAHMATAN UL'ALAMIN
LEADING THE WORLD







AN INTERNATIONAL AWARD-WINNING INSTITUTION FOR SUSTAINABILITY



"ICT Igniter Camp 2023" - A collaboration project between Prince Songkhla University, Pattani Campus with International Islamic University Malaysia (IIUM)

ATIKAH BALQIS BASRI, NAJHAN MOHD IBRAHIM, MUNA AZUDDIN, ELIN ELIANA ABDUL RAHIM, ASMARANI AHMAD PUZI atikahbalqis@iium.edu.my, najhan_ibrahim@iium.edu.my, munaazuddin@iium.edu.my, elin@iium.edu.my, asmarani@iium.edu.my

Introduction

Kulliyyah of Information and Communication Technology (KICT) has participated in ICT Igniter Camp 2023 from 4 November to 6 November 2023, as part of the collaboration project between International Islamic University Malaysia (IIUM), Prince Songkhla University (PSU), Pattani Campus, Pertubuhan Prihatin Pattani (Pattani Care) and Charity Foundation for Relief (Pattani). The project aims to expose the students from the low-income Muslim minority group in Pattani to game development and the fundamentals of robotics, which includes involving them in hands-on activities related to game and robot development. The workshop had provided an opportunity for the students to nurture their technical skills which may enhance their interest in pursuing their studies in the Information Technology (IT) field.











List of Activities

Workshop 1

A workshop on Space Strike Game Date: 4th November 2023

To provide basic knowledge on creating a simple space strike game using Python. The participants had gained hands-on experience in game development and programming while having fun building their own space themed game.

> Workshop 2 A workshop on Robotic Date: 5th November 2023

To provide a basic understanding of robotics. The participants had explored the fundamentals of robotics, its applications, and engage in hands-on activities to build a simple robot.

Achievements and Recognitions











Congratulations for Securing Research Grant



Congratulations for winning Gold Award

Achievements and Recognitions

Congratulations for completing Proposal Defense and Viva Voce













Olatunji Austine Kehinde, Asst. Prof. Ts. Dr. Zahidah Zulkifli, Ely Salwana Mat Surin, Asst. Prof. Nur Leyni Nilam Putri Junurham, Prof. Dr. Murni Mahmud



Students Exchange Program KICT and Universitas Raharja

Raharja Students in KICT 2 - 8 December 2023

















KICT Students in Raharja 26 Nov – 2 Dec 2023















Competitive Programming Training with Fudan University Trainer













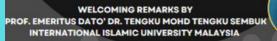


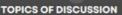
KICT@IIUM 2023 COMPETITIVE PROGRAMMING **ACADEMIC SEMINAR** 5 DEC, TUESDAY

ENHANCING STUDENTS' PROGRAMMING SKILLS THROUGH PROBLEM SOLVING



WITH ASSOC. PROF DR YONG HUI WU AWARD WINNER OF ICPC WORLD FINALS COACH FROM FUDAN UNIVERSITY, CHINA





npetency in programming



Dec 2023



https://forms.gle/Rdtw zP9mphLb1yqu8















Global Conference 2023



















Espresso Workshop







Motivation

Generative AI technologies will revolutionize many aspects of our live

How will they change our experience of Islam?

Ansari is an experiment to explore that question

Ansari is an experiment to explore that question

Wanted to share my experiences building it to inform and stimulate further







Pendekar Cyber Youth Program























Visit from Namangan Institute of Engineering Technology (NAMTI), Uzbekistan

















KICT Curriculum Review 2023 Workshop





Talk/Seminar



























Talk/Seminar







organised by Resource Centre, KICT, IIUM
Co-organised with

Department of Library Science, KICT, Dar al-Hikmah Library & Library and Information Science Student Assembly (LISSA)

Publications

(Submission in IREP for December 2023)

- 1. Al-Aamri, Abdullah Said Ali and Abdulghafor, Rawad Abdulkhaleq Abdulmolla and Turaev, Sherzod and Al-Shaikhli, Imad Fakhri Taha and Zeki, Akram M. and Talib, Shuhaili (2023) *Machine learning for APT detection*. Sustainability, 15 (18). pp. 1-16. E-ISSN 2071-1050
- 2. Alarood, Ala Abdulsalam and Abubakar, Adamu and Alsubaei, Faisal S. (2023) Attacks Notification of Differentiated Services Code Point (DSCP) values modifications. IEEE Access, 11. pp. 126950-126966. E-ISSN 2169-3536
- 3. Mat Ariff, Noor Azwana and Ismail, Amelia Ritahani (2023) Study of Adam and AdaMax optimizers on AlexNet architecture for voice biometric authentication system. In: 17th International Conference on Ubiquitous Information Management and Communication (IMCOM) 2023, Seoul, Republic of Korea.
- 4. Mohamed Misbahou Mkouboi, Mohamed Moubarak and Olowolayemo, Akeem and Ghazali, Ahmad Badruddin (2023) Automated cone cut error detection of bitewing images using convolutional neural network. In: National Oral Health Research Initiative Conference (NOHRI) 2023, 20th 21st October 2023, Kuantan, Pahang, Malaysia. (Unpublished)
- 5. Mohammed Ashikur, Rahman and Abubakar, Adamu and Tumian, Afidalina (2023) Feature selection using generalized linear model for Machine Learning-based sepsis prediction. In: International Conference on Advances in Intelligent Computing and Applications (AICAPS), 1st to 3rd February 2023, India.
- 6. Tengku Sembok, Tengku Mohd and Wani, Sharyar (2023) Information retrieval, question answering systems, and ChatGPT: technology, capability, and intelligence. Socialis Series in Social Science, 5. pp. 96-110. ISSN 2583-1585
- 7. Yaacob, Hamwira Sakti and Hossain, farhad and Shari, Sharunizam and Khare, Smith K. and Ooi, Chui Ping and Acharya, Rajendra Udyavara (2023) Application of artificial intelligence techniques for brain-computer interface in mental fatigue detection: a systematic review (2011-2022). IEEE Access, 11. pp. 74736-74758. E-ISSN 2169-3536
- 8. Zainuddin, Ahmad Anwar and Md Nor, Nor Saadah and Kamarul Zaman, Nur Anis Sofea and Mohd Razali, Muhammad Irfan Zaki (2023) Promoting adab and honesty: responsible content creation for KICTzens' tiktok. KICT Newsletter (10). p. 1.
- 9. Abdul Molok, Nurul Nuha and Sapee, Nuridah and Othman, Anis Asila (2023) Smart Ctzen: a digital storytelling app to empower youth's awareness in cyber safety and security. Journal of Information Systems and Digital Technologies, 5 (2). pp. 108-120. E-ISSN 2682-8790
- 10. Abdul Munir, Rufizah and Talib, Shuhaili and Abdul Molok, Nurul Nuha and Ahmad, Mohd Ridzuan (2023) Information security governance issues In Malaysian government sector. Journal of Information Systems and Digital Technologies, 5 (2). pp. 1-18. E-ISSN 2682-8790
- 11. Abdullahi, Husein Osman and Mahmud, Murni and Hassan, Abdikarim Abi and Ali, Abdifatah Farah (2023) Mapping the landscape of ICTs in agriculture research: a bibliometric analysis of influential publications and authors. Journal of Logistics, Informatics, and Service Science (JLISS), 10 (4). pp. 206-218. E-ISSN 2409-2665
- 12. Amer Shariffudin, Nurrdinan Serena and Wan Ahmad Sayuti, Wan Maizatul Akmal and Mhd Kamil, Nur Faizah and Ahmad Yaslam Babatat, Zakarya and Ahmad Dahlan, Abdul Rahman (2023) A conceptual cleansolution business model: empowering low-income B40 communities as entrepreneurs through housekeeping and sertu cleaning services. Journal of Information Systems and Digital Technologies, 5 (2). pp. 121-141. E-ISSN 2682-8790
- 13. Che Mohamad Nor, Auzaei and Ahmad Dahlan, Abdul Rahman (2023) Gemilang education improvement program: humanising digital education for the well-being of B40 and asnaf graduates. Journal of Information Systems and Digital Technologies, 5 (2). pp. 230-241. E-ISSN 2682-8790
- 14. Embarak, Farhat and Ismail, Nor Azman and Ghazali, Masitah and Mahmud, Murni and Othman, Nur Zuraifah Syazrah and Hassan, Layla and Said, Che Soh and Pang, Yee Yong and Alsayed, Alhuseen Omar (2023) Online social interaction community model for unmet needs of older people. Journal of Theoretical and Applied Information Technology, 101 (22). pp. 7255-7265. ISSN 1992-8645 E-ISSN 1817-3195

Publications

(Submission in IREP for December 2023)

- 15. Hassan, Mohd Khairul Azmi and Mohd Zubir, Siti Sarah and Mat Nayan, Norshita (2023) Opportunities of the online learning from students' perspectives: case study IIUM students. Journal Of Information System And Technology Management (JISTM), 88 (33). pp. 78-90. E-ISSN 0128-1666
- 16. Jamaludin, Mohamad Iqmal and Gunawan, Teddy Surya and Karupiah, Rajandra Kumar and Zabidi, Suriza Ahmad and Kartiwi, Mira and Zakaria@Mohamad, Zamzuri (2023) Optimizing U-Net architecture with feed-forward neural networks for precise Cobb angle prediction in scoliosis diagnosis. Indonesian Journal of Electrical Engineering and Informatics (IJEEI), 11 (3). pp. 883-895. ISSN 2089-3272
- 17. Keerio, Imran Khan and Shah, Asadullah and Shah, Masoomi Hifazat Ali and Muhamad Ibrahim, Najhan and Mohd Mohadis, Hazwani and Qureshi, Imran Ahmed (2023) A framework of e-learning challenges during Covid-19 in higher education insinuations of Pakistan. Journal of Information Systems and Digital Technologies, 5 (2). pp. 90-107. E-ISSN 2682-8790
- 18. Khamis Al-Anbar, Yaqoob and Luhana, Kirshan Kumar and Keerio, Imran Khan and Sheikh Abdul Aziz, Madihah and Shah, Asadullah (2023) Automated academic advisory system based on students' emotional intelligence: a study of university of Nizwa, Sultanate of Oman. International Journal of Membrane Sciences and Technology, 10 (2). pp. 3682-3692. E-ISSN 2410-1869
- 19. Nasruddin, Zan Azma and Zainan Abidin, Aida Wati and Mohd Ariffin, Nor Hapiza and Hassan, Mohd Khairul Azmi and Mokhtar, Rahmah (2023) Connecting User Emotions and User Experience (UX) among university students during Open Distance Learning. In: 2023 10th International Conference on Electrical and Electronics Engineering (ICEEE), 8-10 May 2023, Istanbul, Turkiye.
- 20. 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
- 21. Omar, Nurul Iffah Alia and Zahid, Alfin Najeehah and Ahmad Fikri, Nurul Shahirah and Othman, Afiq Aiman and Ahmad Dahlan, Abdul Rahman (2023) A conceptual MFarm business model: mosque as a sustainable farming centre, reskilling and nurturing B40 as agropreneurs. Journal of Information Systems and Digital Technologies, 5 (2). pp. 258-286. E-ISSN 2682-8790
- 22. Shah, Masoomi Hifazat Ali and Shah, Asadullah and Keerio, Imran and Salleh, Norsaremah and Rafiez, Abdul (2023) Development of conceptual model effective teaching quality of academicians towards MOOCS in higher education in Pakistan. Journal of Information Systems and Digital Technologies, 5 (2). pp. 19-32. E-ISSN 2682-8790
- 23. Siddiqui, Aafia Gul and Khowa, Kamran and Ghulamani, Sumbul and Shah, Asadullah (2023) Integrating technology with science in STEM education for K-12 students. Journal of Information Systems and Digital Technologies, 5 (2). pp. 142-154. E-ISSN 2682-8790
- 24.Tengku Azzman, Tengku Siti Aisha and Sedu, Nerawi and Abu Seman, Muhamad Sadry (2023) Understanding academic misconduct behaviors among university students during the COVID-19 remote teaching and learning phase. Jurnal Pengajian Media Malaysia, 25 (2). pp. 87-104. ISSN 1511-2284 E-ISSN 2231-8143
- 25.Zannat, Nahreen and Mahmud, Murni (2023) Exploring the efficacy of mindmend: an innovative mental health support app for autistic adolescents and their caregivers. In: 5th National Symposium on Human-Computer Interaction 2023, 9th September 2023, Virtual Symposium.
- 26. Ahmad Nawawi, Nur Syahirah and Sarif Abdullah, Sharifah Nur Amirah (2023) Designing FRBR-based information visualization for library resources. In: 5th National Symposium on Human-Computer Interaction 2023, Virtual Symposium.

Copyright

Title: Laporan Akhir Kajian Hukum Mengenai Kesan Permainan Digital Terhadap Masyarakat

Inventor and Co-Inventor

- 1. Asst. Prof. Dr. Siti Asma Mohammed
- 2. Prof. Dr. Murni Mahmud
- 3. Prof. Dr. Abd. Rahman Ahlan
- 4. Asst. Prof. Dr. Suhaila Samsuri
- 5. Asst. Prof. Dr. Aznan Zuhid Saidin
- 6. Asst. Prof. Dr. Muna Azuddin
- 7. Asst. Prof. Dr. Nurul Nuha Abdul Molok
- 8. Asst. Prof. Dr. Sharifah Nur Amirah Sarif Abdullah
- 9. Br. Muhd. Rosydi Bin Muhammad
- 10. Asst. Prof. Dr. Mohd. Syarqawy Hamzah
- 11. Prof. Dato'. Dr. Norbik Bashah Bin Idris
- 12. Jabatan Kemanjuan Islam Malaysia (JAKIM)

Title: Sensei No Kuruma: Car Advising System

Inventor and Co-Inventor

- 1. Asst. Prof. Ts. Dr. Hafizah Mansor
- 2. Nur Shahirah Hafizah Binti Mohd Shani
- 3. Arina Pradu

Title: Drowsy Driver Detection System Dataset

Inventor and Co-Inventor

- 1. Asst. Prof. Ts. Dr. Hafizah Mansor
- 2. Nur Iman Kamila Binti Azharudin

Title: SMILED: Smart Machine for Identifying Dental Lesion with Efficient and Accurate Detection

Inventor and Co-Inventor

- 1. Assoc. Prof. Ts. Dr. Amelia Ritahani Ismail
- 2.Dr. Ahmad Badruddin Bin Ghazali (Kulliyyah of Dentistry)
- 3. Faris Farhan bin Azlan
- 4. Khairul Akmal bin Noormaizan

Title: Integration of Car Rental System using Mobile Apps Management and IoT (Accident Detection System)

Inventor and Co-Inventor

- 1. Asst. Prof. Dr. Ts. Ahmad Anwar Zainuddin
- 2. Muhammad Zaid Hazim Johari

Title: eProgress Report for Special Needs Children

Inventor and Co-Inventor

- 1. Asst. Prof. Dr. Noor Azura Zakaria
- 2. Asst. Prof. Dr. Norzaliza Md Nor
- 3. Asst. Prof. Dr. Muna Azuddin
- 4. Tahmid Taki Rahman
- 5. Md Shafin Taosif

Copyright

Title: IoT Workshop Project Modules

Inventor and Co-Inventor

- 1. Asst. Prof. Dr. Ts. Ahmad Anwar Zainuddin
- 2. Asst. Prof. Dr. Asmarani Ahmad Puzi
- 3. Asst. Prof. Dr. Atikah Balqis Basri
- 4. Hasbullah Hamizan
- 5. Noor Muhammad Safwan Zainal Abidin
- 6. Nurul Salshabila bt Mustapa
- 7. Nurain Sufi Sabreena Binti Mohd Sukri
- 8. Muhammad Nurzikry Bin Mohd Sazali

Title: Smart Door Access System User's Manual

Inventor and Co-Inventor

- 1. Asst. Prof. Dr. Ts. Ahmad Anwar Zainuddin
- 2. Asst. Prof. Dr. Rizal Bin Mohd. Nor
- 3. Asst. Prof. Dr. Amir 'Aatieff Amir Hussin
- 4. Asst. Prof. Dr. Asmarani Ahmad Puzi
- 5. Asst. Prof. Dr. Atikah Balqis Basri
- 6. Muhammad Nurzikry Bin Mohd Sazali

Title: GamesMy@IIUM Studio

Inventor and Co-Inventor

- 1. Asst. Prof. Dr. Suhaila Samsuri
- 2. Lugman Hagim Bin Mat Hassan

Title: Immersive Garden of Knowledge: Learning with XR

Inventor

1.. Asst. Prof. Dr. Aidrina Mohamed Sofiadin