AN INTERNATIONAL AWARD-WINNING INSTITUTION FOR SUSTAINABILITY

KICT Newsletter

NO.3/2024 March 2024

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 Balqis Basri
- Asst. Prof. Dr. Nor Saadah Md Nor

Designer
- Sr. Nurlaili Sanadi

TABLE OF CONTENTS

Article of the month 1

Achievements and Recognitions 11

Activity 12

Talk/Seminar 19

Publications 14

Motivational Quote

"To know how to put what knowledge in which place is wisdom (hikmah). Otherwise, knowledge without order and seeking it without discipline does lead to confusion and hence to justice to one's self."

SYED MUHAMMAD NAQUIB AL-ATTAS

Zahidah Zukifli
Department of Information Systems
zahidahz@iium.edu.my

EXPLORING JAPAN'S CUTTING-EDGE WASTE MANAGEMENT FACILITIES THROUGH A STAFF MOBILITY PROGRAMME

We are pleased to present the outcomes of an exciting staff mobility programme that explored Japan's advanced waste management practices, with a particular focus on garbage incineration facilities. The purpose of this visit was to explore waste management practices in Japan, particularly its world-leading garbage incineration facilities, as part of the research activity supported by The Sumitomo Foundation (Grant no. 208401-029). Additionally, the programme aimed to foster networking and collaborative partnerships with the receiving institutions and explore potential avenues for future collaborations. The 10-day visit provided valuable insights into Japan's pioneering waste disposal technologies and laid the groundwork for potential future collaborations between IIUM and esteemed institutions in Japan.

The delegation, comprising esteemed researchers Dr. Ely Salwana Mat Surin (UKM), Dr. Zahidah Zulkifli (IIUM), and Dr. Norshita Mat Nayan (UKM), embarked on a journey to Tokyo, Japan, for this enlightening programme. The itinerary was thoughtfully designed to include a series of seminars, workshops, and meetings with experts from the University of Tokyo and representatives from Tokyo's waste management agencies.

A role model company’s site/office for industrial waste management in Japan, Ishizaka Sangyo, was visited on 22nd July 2022. The delegation also had the opportunity to explore Tokyo's 23 wards management sites on 23rd July, gaining insights into municipal waste management. Tokyo Environmental Public Service office was another site visited on 24th July.

The Sumitomo Foundation, known for its support in the field of research, played a vital role in the programme, hosting the delegation on 25th and 26th July.

On 27th July, the delegation attended a research meeting at the University of Tokyo's Department of Chemical System Engineering. On the following day, they engaged in a research site visit and discussion at the University's Faculty of Computer Science. The programme concluded with a visit to the Faculty of Computer Science's Labs and Facilities on 29th July.

Throughout the visit, the delegation was warmly received and actively participated in knowledge exchange and discussions. The collaborative spirit showed by both IIUM researchers and their counterparts at the University of Tokyo and other institutions laid the foundation for potential future partnerships and research endeavours.

The delegation expressed their sincere gratitude to The Sumitomo Foundation for its financial support and to the University of Tokyo, Ishizaka Sangyo, Tokyo 23 wards management sites, and Tokyo Environmental Public Service office for their hospitality.

As the programme drew to a close, the researchers returned to Malaysia, carrying with them valuable insights and experience. This intercultural exchange has undoubtedly enriched among IIUM, UKM and Japan's academic community, fostering stronger ties and mutual learning in the field of waste management. We express our heartfelt gratitude to The Sumitomo Foundation, the University of Tokyo, and waste management agencies in Tokyo for their hospitality and support, which made this programme possible.

Presentation and Discussion with Dr. Eri at her lab at the University of Tokyo

Token of Appreciation from IIUM to Dr. Eri.

During the discussion with the Sumitomo Foundation

Token of Appreciation from IIUM to Mr. Takatoshi, the President of the Sumitomo Foundation

Site Visit at the Ishizaka Sanyo Ltd. The picture shows how the industrial waste process begin

We were honoured to have the President of Ishizaka Sanyo Ltd., Miss Noriko Ishiza (standing in the centre) to accompany us during the factory visit.

Token of Appreciation from IIUM to Ishizaka Sanyo Ltd.

The waste sorting process by human and robot (at the back)

Beside the factory, Ishizaka Sanyo Ltd. also has a farm that actively conducts research

One of the research projects that has just started is on biotheraphy

Nurul Nuha Abdul Molok
Project Lead for IIUM
Department of Information Systems
nurulnuha@iium.edu.my

KICT STAFF MOBILITY PROGRAM TO MELBOURNE, AUSTRALIA

1. RESEARCH TRAINING PROGRAM AT THE UNIVERSITY OF MELBOURNE

22 – 25 Jan 2024: A delegation of five researchers (see names below) from the Department of Information Systems (DIS), Kulliyyah of ICT, International Islamic University Malaysia (IIUM) had the distinct honour of participating in a research training program at the Faculty of Engineering and Information Technology, University of Melbourne, Australia. This program is integral to the UoM-IIUM Cyber Resilience research project, generously funded by the Department of Foreign Affairs and Trade, Australia. The delegation extends its sincere gratitude to Professor Dr. Atif Ahmad and Associate Professor Dr. Sean Maynard for their invaluable knowledge-sharing session, which undoubtedly contributes towards the advancement of Malaysia's cyber resilience efforts.

DIS members who were involved in the KICT Staff Mobility Program to Melbourne:

1. Dr. Nurul Nuha Abdul Molok (Project Leader)
2. Dr. Shuhaili Talib
3. Ts. Dr. Noor Hayani Abd Rahim
4. Ts. Dr. Zahidah Zulkifli
5. Dr Suhaila Samsuri

Front from left to right: Dr Suhaila Samsuri (KICT, IIUM), Dato' Dr. Michael Lim (Royal Malaysian Police), Prof. Dr. Atif Ahmad (University of Melbourne), Assoc. Prof. Dr. Sean Maynard (University of Melbourne), Dr. Shuhaili Talib (KICT, IIUM) and Dr. Nurul Nuha Abdul Molok (KICT, IIUM).

Back from left to right: Dr. Zahidah Zulkifli (KICT, IIUM), Dr. Noor Hayani Abd Rahim (KICT, IIUM), Assoc. Prof. Dr. Sherah Kurnia (University of Melbourne) and Prof. Dr. Achmad Nizar Hidayanto (Universitas Indonesia).

2. VISITING THE CONSULATE GENERAL OFFICE OF MALAYSIA IN MELBOURNE

As part of the International Islamic University Malaysia (IIUM) Mobility Program at the University of Melbourne, a delegation representing the Department of Information Systems, Kulliyyah of ICT, IIUM, undertook a series of informative visits on January 25, 2024. The delegation had the honour of meeting with Mr. Nik Muhammad Nasyron Syah bin Nik Daud, Consul General of Malaysia in Melbourne, at the Consulate General Office of Malaysia, where they presented details of their ongoing UoM-IIUM research project funded by the Australian Government (DFAT). The consulate office is located at 16 Claremont Street, South Yarra, Victoria

Front from left to right: Mdm. Narim Abdullah-Fillis, Mr. Nik Muhammad Nasyron Syah bin Nik Daud (Consul General of Malaysia in Melbourne) and Dr. Nurul Nuha Abdul Molok (Project Lead, KICT, IIUM).
Back from left to right: Dr. Noor Hayani Abd Rahim (KICT, IIUM), Dr. Shuhaili Talib (KICT, IIUM), Dr. Zahidah Zulkifli (KICT, IIUM) and Dr Suhaila Samsuri (KICT, IIUM).

3. VISITING MALAYSIA HALL MELBOURNE

The delegation also visited Malaysia Hall Melbourne to engage in fruitful discussions with Mdm. Siti Hasmah Abd Talib, the Assistant Warden of Malaysia Hall Melbourne and five postgraduate students from the University of Melbourne and Monash University. These discussions centered on the delegation's research project, as well as opportunities and challenges within the current landscape of cyber safety and security amongst postgraduate students. Malaysia Hall is located at K4, High St, Windsor, Victoria.

Dr Nuha was giving a presentation about KICT, the research grant and cyber safety and security knowledge sharing to Malaysian postgraduate students who are staying at Malaysia Hall.

From left to right: Alang Ariff Asyraf Bin Muhammad Ghazali (Master of Clinical Dentistry, University of Melbourne), Amin Khalili Bin Roslan (Master in Architecture, University of Melbourne), Dr Suhaila Samsuri (KICT, IIUM), Dr. Noor Hayani Abd Rahim (KICT, IIUM), Dr. Nurul Nuha Abdul Molok, Dr. Shuhaili Talib (KICT, IIUM), Dr. Zahidah Zulkifli (KICT, IIUM), Hui Yang Cheah (Master of Pharmacy, Monash University), Muhammad Zahid Bin Shamsul Kamal (Master in Architecture, University of Melbourne) and Anas Naufal Bin Anaruddin (Master of Management Human Resources, University of Melbourne – an IIUM alumnus).

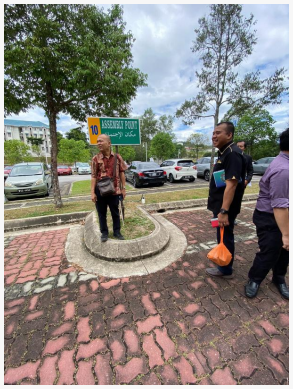
Presented IIUM souvenir to the Asst. Warden of Malaysia Hall Melbourne, Mdm. Siti Hasmah Abd Talib.

Congratulations on the appointment as a Higher Education Advisor by the Minister of Higher Education

Congratulations on winning the 4th prize in the 1st Annual Islamic Fintech Pitching Competition

Visit from Haluoleo University, Southeast Sulawesi, Indonesia

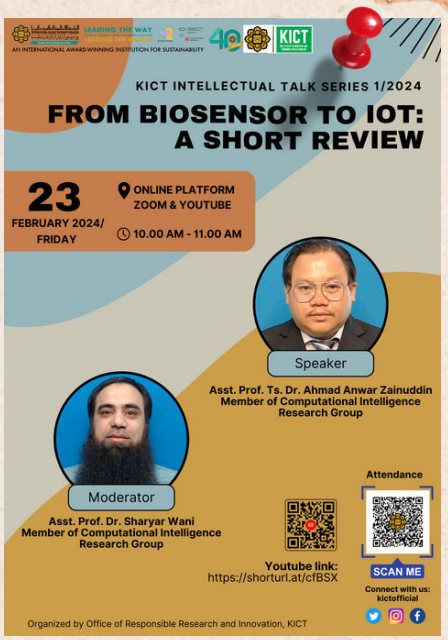
SAFETY INSPECTION ON FIRE FIGHTING EQUIPMENT FOR KICT EMERGENCY RESPONSE TEAM



KICT GOTONG-ROYONG 20TH FEBRUARY 2024

TOWNHALL PEDAGOGY TRAINING

Townhall Pedagogy Training
Prof. Amy Sarch - Associate Provost Academic, Shenandoah University, USA
20 February 2024


KICT INTELLECTUAL TALK SERIES 1/2024
FROM BIOSENSOR TO IOT: A SHORT REVIEW
23 FEBRUARY 2024/ FRIDAY
ONLINE PLATFORM ZOOM & YOUTUBE
10.00 AM - 11.00 AM
Speaker
Asst. Prof. Ts. Dr. Ahmad Anwar Zainuddin
Member of Computational Intelligence Research Group
Moderator
Asst. Prof. Dr. Sharyar Wani
Member of Computational Intelligence Research Group
Youtube link:
https://shorturl.at/cfBSX
Attendance
SCAN ME
Connect with us: kictofficial
Organized by Office of Responsible Research and Innovation, KICT

Research, Publication and Innovation Skills
UPGRADING OF RESEARCH GROUP AND ESTABLISHMENT OF ACCREDITED LABORATORY
28 FEBRUARY 2024
2.30 PM - 3.30 PM
PROF. DR. ANIS NURASHIKIN NORDIN
Deputy Director, Research Excellent Unit
Research Management Centre
SPEAKER
MADAM NOR AMINAH KOSTOR
Director
Administration Unit
Research Management Centre
SPEAKER
i-Attend
LIVE EVENT
Zoom Meting
https://shorturl.at/mnKT3
NOOR AZURA ZAKARIA
Head
Responsible Research and Innovation, KICT
MODERATOR
Organized by Office of Responsible Research and Innovation, KICT in collaboration with Research Excellence Unit, RMC

iTa'LeEm Sharing Session
"Enhancing Student Engagement : Organizing Your e-Learning Page Effectively"
22nd February 2024
10:00 a.m. – 12:00 p.m.
Zoom
Main Speaker
DR. AZLIN NORDIN
Department of Computer Science
Kulliyyah of Information and Communication (KICT)
*This training is offered to participant that already have basic knowledge on iTa'LeEm
Organized by:
Centre for Professional Development

SPECIAL LECTURE
이슬람의 관점에서 본 소셜미디어
Social Media from Islamic Perspective
2024. 02.28. 수 14:00-16:00
명지대학교 MCC관 1층 10120호
강연자 모하마드 파우잔 누르딘 (Dr. Mohamad Fauzan Noordin)
International Islamic University, Malaysia
주 최
후 원
Peaceful World

UTM
Wacana PEMACU MALAYSIA MADANI
Universiti Teknologi Malaysia
utm_my
utmofficial

한국이슬람학회 2024년 2월 콜로키움
이슬람의 관점에서 본 AI
(AI from Islamic Perspective)
발표자: Dr. Mohamad Fauzan Noordin
(International Islamic University Malaysia)
일 시: 2024. 02. 27. (화) 오후 3시
장 소: 한국외국어대학교 교수회관 2층 대회의실
주최 :
후원 :
Peaceful World

Publications

(Submission in IREP for February 2024)

1. Nazurin, Jamaludin and Ahmad Kamran, Alya Aqilah and Azlin, Nordin (2024) *Collaborative requirements review tool (collaborev) to support requirements validation*. International Journal on Perceptive and Cognitive Computing, 10 (1). pp. 105-112. E-ISSN 2462-229X
2. Zainuddin, Ahmad Anwar and Mohd Nor, Rizal and Amir Hussin, Amir 'Aatieff and Mohd Sazali, Muhammad Nurzikry (2024) *MQTT-enabled smart door access system: design and implementation using NodeMCU ESP 8266 and HiveMQ*. In: 9th International Conference on Computing, Engineering and Design (ICCED 2023), 7th - 8th November 2023, Kuala Lumpur, Malaysia.
3. Zakaria, Noor Azura and Tajul Anuar, Ahmad Faiz (2024) *Transporter mobile application: empowering your journey with reliable transport services*. International Journal on Perceptive and Cognitive Computing (IJPCC), 10 (1). pp. 119-125. E-ISSN 2462-229X
4. Abd Rahim, Noor Hayani and Abdul Rashid, Nuhairi and Muhammad Irfan Danial, Baharim (2024) *FamLogger: the development of keylogger tools for parental online monitoring*. International Journal on Perceptive and Cognitive Computing (IJPCC), 10 (1). pp. 51-58. E-ISSN 2462-229X
5. Muhammad Zamri, Fatin Najihah and Zulkurnain, Nurul Fariza and Gunawan, Teddy Surya and Kartiwi, Mira and Md Yusoff, Nelidya and Nur, Levy Olivia (2024) Real-time safety helmet detection using enhanced YOLOv5 object detection. In: IEEE 9th International Conference on Smart Instrumentation, Measurement and Applications (ICSIMA 2023), 17th - 18th October 2023, Kuala Lumpur, Malaysia
6. Othman, Roslina (2024) *Korpora selari dan buku dual Bahasa Melayu*. In: Penterjemahan di Malaysia: Cabaran dan Pengalaman Mutakhir. IIUM Press, pp. 14-20. ISBN 978 967 491 3281

Copyright

Title :
Arduino Workshop Project Modules

Inventor and co-inventor:
1. Asst. Prof. Dr. Ts. Ahmad Anwar Bin Zainuddin
2. Asst. Prof. Dr. Nurul Liyana Binti Mohamad Zulkufli
3. Hasbullah Hamizan
4. Noor Muhammad Safwan Zainal Abidin
5. Nurul Salshabila bt Mustapa
6. Nurain Sufi Sabreena Binti Mohd Sukri
7. Muhammad Nurzikry Bin Mohd Sazali

Title :
Face Recognition Attendance System

Inventor and co-inventor:
1. Asst. Prof. Dr. Ts. Ahmad Anwar Bin Zainuddin
2. Asst. Prof. Dr. Amir 'Aatieff Bin Amir Hussin
3. Asst. Prof. Dr. Rizal Mohd Nor
4. Nurain Sufi Sabreena Binti Mohd Sukri
5. Nurul Salshabila Binti Mustapa
6. Muhammad Nurzikry Bin Mohd Sazali