



KICT NEWSLETTER

No.5/ 2024

MAY 2024

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Motivational Quote

*The Prophet Muhammad (peace be upon him) said,
"Honesty leads to righteousness, and righteousness leads to paradise. While lying leads to
wickedness, and wickedness leads to the hellfire."*

(Sahih Muslim)

Article of the Month



Nurazlin Zainal Azmi
Department of Information Systems
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OUTCOME-BASED EDUCATION SERIES #2 – REVISED BLOOM'S COGNITIVE DOMAIN

In education, the revised Bloom's cognitive domain is used as a framework for designing curriculum, developing assessments, and nurturing student-centered learning environments where students can develop a certain set of skills as required in their line of study.

There are six levels in this revised Bloom's cognitive domain, which are arranged hierarchically from lower-order thinking skills to higher-order thinking skills. The description of each level is as follows:

1. Remembering

• The lowest level of this domain, Remembering is about recalling or recognizing information such as facts, definitions or concepts, and can also be used to identify key elements or details from memory. An example statement based on this level: Recall the syntax and usage of common programming language constructs, such as variables, loops and conditionals, in Java.

2. Understanding

• A step higher than Remembering, this level requires the students to grasp the meaning or significance of information such as explaining ideas or concepts based on one's understanding. An example statement based on this level: Explain the concepts of encapsulation, inheritance, and polymorphism using examples in Java.

3. Applying

• In Applying, students are required to use knowledge or understanding in other situations and may include applying principles or procedures to solve problems, as well as implementing strategies or techniques. An example statement based on this level: Apply knowledge of front-end development principles and techniques to develop a basic web application using HTML, CSS, and Javascript.

4. Analyzing

• To Analyze means to break down information into its component parts and then examine the relationships and connections, such as identifying patterns, organizing information or distinguishing details. An example statement based on this level: Analyze the performance of sorting algorithms by comparing their time complexity and space complexity.

5. Evaluating

• At this level, Evaluating expects the students to be able to make judgments or assessments based on criteria or standards such as critiquing arguments or ideas, or assessing the validity of claims. An example statement based on this level: Evaluate the security vulnerabilities of a web application by conducting penetration testing, identifying potential attack vectors, and proposing recommendations for mitigating risks.

6. Creating

• At the highest of the hierarchy, Creating promotes the generation of new ideas, products or solutions such as designing, constructing, or inventing something new, as well as synthesizing information or concepts to form new perspectives. An example statement based on this level: Design and implement a database management system using SQL by demonstrating creativity in designing database schemes, optimizing queries and ensuring data integrity and security.

Islamization Tips

Maqasid Al-Shari'ah

ICT - IOHK TIPS: # 16

- ❑ Maqasid Al-Shari'ah (Objectives of Shari'ah) facilitate the society by enhancing the public good (Maslahah).
- ❑ Critically analyze whether the subject/s is/are aligned with the fundamental objectives of Shari'ah
- ❑ Protection of life / health, protection of property / wealth, protection of intellect / mental, protection of religion / faith, and protection of dignity / family.
- ❑ Need to connect the subjects with the objectives of Shari'ah
- ❑ Based on Daruriyyah (the necessities), the Hajiyyah (the complementary) and the Tahsiniyyah (the embellishments).

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WEEKLY IOHK TIPS

يقول الله تعالى: وَلَقَدْ بَعَثْنَا فِي كُلِّ أُمَّةٍ رَسُولًا أَنِ اعْبُدُوا اللَّهَ وَاجْتَنِبُوا الطَّاغُوتَ (النحل: 36).

Allah Almighty says: And We certainly sent into every nation a messenger, [saying], "Worship Allah and avoid Taghut. (Al-Nahil: 36)

يقول الله تعالى: وَمَا أُمِرُوا إِلَّا لِيَعْبُدُوا اللَّهَ مُخْلِصِينَ لَهُ الدِّينَ حُنَفَاءَ وَيُقِيمُوا الصَّلَاةَ وَيُؤْتُوا الزَّكَاةَ وَذَلِكَ دِينُ الْقَيِّمَةِ (البينة: 5).

Allah Almighty says: And they were commanded not, but that they should worship Allah, and worship none but Him Alone (abstaining from ascribing partners to Him), and perform As-Salat (Iqamat-as-Salat) and give Zakat: and that is the right religion. (Al-Bayyinah: 5)

SERVING THE COMMUNITY & THE UMMAH

ICT - IOHK TIPS: # 17

- ❑ Promotes the idea of serving the Ummah through the knowledge gained from the course.
- ❑ Realize the importance of social responsibility
- ❑ Everyone should contribute to society based on their position, energy, and abilities.
- ❑ Illustrate both the positive and negative impacts of the subject on society.
- ❑ How the subject can contribute positively and where potential drawbacks may exist.

Providing Services in medical, agricultural, and economic domains....

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WEEKLY IOHK TIPS

قال رسول الله صلى الله عليه وسلم: مَنْ نَفَسَ عَنْ مُؤْمِنٍ كُرْبَةً مِنْ كُرْبِ الدُّنْيَا، نَفَسَ اللَّهُ عَنْهُ كُرْبَةً مِنْ كُرْبِ يَوْمِ الْقِيَامَةِ، وَمَنْ يَسَّرَ عَلَى مُعْسِرٍ، يَسِّرَ اللَّهُ عَلَيْهِ فِي الدُّنْيَا وَالْآخِرَةِ، وَمَنْ سَتَرَ مُسْلِمًا، سَتَرَهُ اللَّهُ فِي الدُّنْيَا وَالْآخِرَةِ، وَاللَّهُ فِي عَوْنِ الْعَبْدِ مَا كَانَ الْعَبْدُ فِي عَوْنِ أَخِيهِ (صحيح مسلم).

The Messenger of Allah (*peace be upon him*) says: If anyone relieves a Muslim believer from one of the hardships of this worldly life, Allah will relieve him of one of the hardships of the Day of Resurrection. If anyone makes it easy for the one who is indebted to him (while finding it difficult to repay), Allah will make it easy for him in this worldly life and in the Hereafter, and if anyone conceals the faults of a Muslim, Allah will conceal his faults in this world and in the Hereafter. Allah helps His slave as long as he helps his brother. (Muslim).

WEEKLY IOHK TIPS

SCIENTIFICALLY CRITIQUE THE SUBJECT MATTER

The role of lecturer is to

- ❑ Provide logical criticism of the subject matter.
- ❑ Ensure the alignment of the subject matter with Islamic perspectives.
- ❑ Delete violations and replace or modify information when necessary.
- ❑ Reject contradictory ideas that conflict with Islamic values.

ICT - IOHK TIPS: # 20

يقول الله تعالى: ادْعُ إِلَى سَبِيلِ رَبِّكَ بِالْحُكْمَةِ وَالْمَوْعِظَةِ الْحَسَنَةِ. وَجَادِلْهُمْ بِالَّتِي هِيَ أَحْسَنُ. إِنَّ رَبَّكَ هُوَ أَعْلَمُ بِمَنْ ضَلَّ عَنْ سَبِيلِهِ وَهُوَ أَعْلَمُ بِالْمُنْتَدِينَ (النحل: 125)

Allah Almighty says: Invite to the way of your Lord with wisdom and good instruction and argue with them in a way that is best. Indeed, your Lord is most knowing of who has strayed from His (Al Nahil: 125)

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Achievements and Recognitions

Congratulations FOR COMPLETING VIVA VOCE/ PROPOSAL DEFENSE/COMPUTING PROJECT

INTERNATIONAL MULTI-AWARD WINNING INSTITUTION FOR SUSTAINABILITY

LEADING THE WAY
LEADING THE WORLD

40

CONGRATULATIONS OF COMPLETING VIVA VOCE (PTM)

"You did a great job. Thank you for your dedication and outstanding performance"

NUR HIDAYAH BINTI MOHD KHUSID (G20F2312)
Master of Computing (Computer Science and Information Technology)
Title: Utilizing CatBoost Shapley Additive Explanations for Interpretable Machine Learning in Medical Records Analysis
Date/Presentation: 04/04/2024 / Friday

Chairperson: Prof. Dr. Asadullah Shah
Secretary: Lukman Hakim Bin Saari
External Examiners: Assoc. Prof. Dr. Mohd Zakree Ahmad Naezi
Internal Examiners: Prof. Dr. Akram M Z M Haidher
Institution Representative: Dr. Mimi Liza Binti Abdul Majid
Supervisor: Assoc. Prof. Ts. Dr. Ancha Fatmahan Bi Ismail
Co-Supervisor: Assoc. Prof. Dr. Normaizah Binti Abdul Aziz

Pass with Honor

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Gombak, Engage, Serve

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LEADING THE WORLD

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CONGRATULATIONS FOR PROPOSAL DEFENSE

"You did a great job. Thank you for your dedication and outstanding performance"

Nur Shohirah Hafzah Binti Mohd Shanji (G2116810)
Master of Computing (Computer Science and Information Technology)
Title: A Framework for Privacy Policy Enforcement for Car Ownership
Date/Presentation: 03/05/2024 / Thursday

Supervisor: Asst. Prof. Ts. Dr. Hafzah Binti Mansor
Co-Supervisor: Assoc. Prof. Dr. Ancha Fatmahan Ismail
Chairman: Prof. Emeritus Dato' Ts. Dr. Tengku Mohamad Tengku Sembek
Examiner 1: Assoc. Prof. Dr. Normaizah Abdul Aziz
Examiner 2: Asst. Prof. Dr. Azim Nordin

Pass with Honor

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CONGRATULATIONS FOR COMPUTING PROJECT

"You did a great job. Thank you for your dedication and outstanding performance"

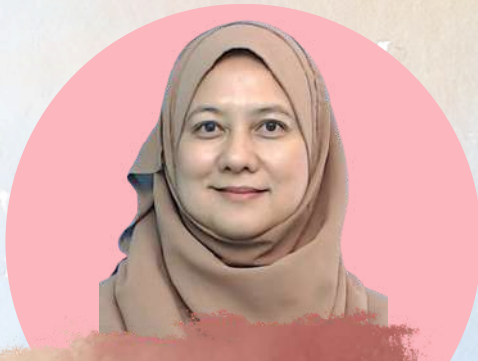
Asiak Khan (G2129067)
Master of Information Technology (Coursework)
Title: Acceptance and Adoption of ChatGPT by undergraduate students of IUM: Technology Acceptance Model including Ethical Considerations.
Date/Presentation: 08/05/2024 / Wednesday

Supervisor:
Asst. Prof. Dr. Noor Azidah Mohamadali
Examiner 1:
Asst. Prof. Dr. Noor Azidah Mohamadali
Examiner 2:
Asst. Prof. Ts. Dr. Noor Hayani Binti Abd Rahim

Pass

Office of Director, ICT
Gombak, Engage, Serve

Welcome
TO KICT



ASST. PROF, DR. MIMI LIZA ABDUL MAJID
DEPARTMENT OF INFORMATION SYSTEMS



ASST. PROF. DR. NUR ADIB MASPO
DEPARTMENT OF COMPUTER SCIENCE

Activity



Normaziah Abdul Aziz
Department of Computer Science
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Amelia Ritahani Ismail
Head of Research Unit 9
Department of Computer Science
amelia@iium.edu.my

KANGAROO MATH 2024 NATIONAL LEVEL COMPETITION

CIRG supports STEM initiatives for Malaysia. Hence, we annually co-organised with Ardent Educ. Sdn. Bhd. on STEM related contests such as Kangaroo Math Malaysia contest, which encourages students from Year one till Form 6 to solve mathematical problems that relates to our real life. This year the contest was on Saturday, 10th of May 2024 at the Multipurpose Hall, KICT, IIUM.



Article of the Month



Activity



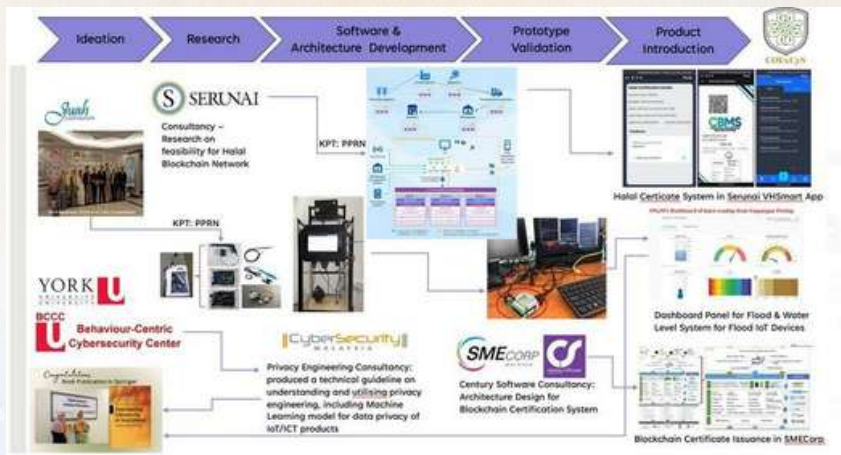
Normaziah Abdul Aziz
Head of CoExCyS
Department of Computer Science
naa@iium.edu.my

CENTRE OF EXCELLENCE FOR CYBERSECURITY ACTIVITIES (COEXCYS)

We received a visit from Permodalan Kelantan Berhad (PKB) Board of Director member and their technical team where we discussed on technical security matters of PKB's systems and services. We had fruitful discussion and we hope to collaborate further through appropriate grants. The visit was on 7th May 2024.



Dr. Rizal presented to the Rector a summary of CoExCyS's completed projects for industries who had engaged our team, and a significant research collaboration with York Univ, Toronto, Canada. Alhamdulillah, CoExCyS had secured more than half a million funding in our consultancy and development jobs. More to go, In sha Allah.



Consultancy & CoExCyS Research Projects (RM 575, 796 in funding)

1. Century Software Sdn. Bhd. (RM108k – closing month)
2. Serunai Commerce Sdn.Bhd. (RM 20k – completed)
3. Juah Sdn.Bhd. - PPRN Grant (RM 38.6k – completed)
4. Serunai Commerce - PPRN Grant (RM 103k - completed)
5. RMK-12 project on Privacy Engineering with CSM (RM 266,196 - completed)
6. Book - Understanding Cybersecurity on Smart Phones (Published Springer)
7. Face Detection Attendance System (RM 20k – completed)
8. Smart Door Access System (RM 20k – completed)



Activity



mkitchen Iftar @RAMADAN

For this special Month, we are inviting you for free iftar meals @mKitchen KICT.

Rumah Makan MKitchen (KICT Cafe)
Monday - Friday
1230: DROP your container
1530: PICKUP your container/ Walk in

Bring Your Own Container (BYOC)
*100pcs only!

For any inquiries, please contact:
 CR. ASMARANI - 010-246 0136
 BR. YUSOFF - 011-804 0289



Empowering Charity Through Sales

Saji Cooking Oil by FGV

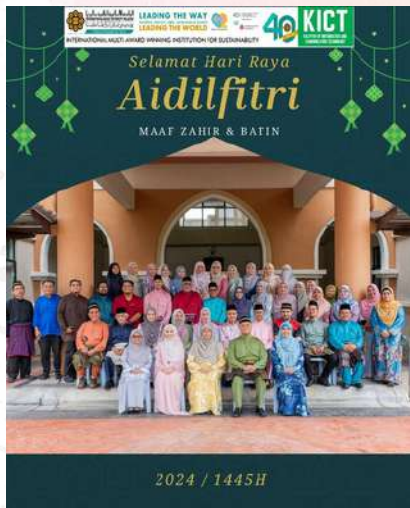
Date and Time: 4/4/2024 (12PM-2PM)
 Venue: MKitchen store (Female Gym, GF, Block C), KICT
 Limited to 150 bottles ONLY

Sales dedicated to the mkitchen fund, providing free meals for those in need



KICT raya photoshoot

27 MARCH 2024
 WEDNESDAY
 1.00 PM - 2.00 PM

Selamat Hari Raya Aidilfitri
 MAAF ZAHIR & BATIN

2024 / 1445H




3D RAYA DIS/DLIS/DCS RAYA GATHERING

28 APRIL 2024
 12.30 PM - 3.30 PM
 Department Pantries
 ALL KICT STAFF ARE INVITED



Activity



LEADING THE WAY
 LEADING THE WORLD
 INTERNATIONAL ALIYAH AWARDS WINNING INSTITUTION FOR SUSTAINABILITY

CPS IUM GLADLY PRESENT
3MT Competition!
 GET READY AND BRING YOUR A-GAME PRESENTATION!
 Grand Prize RM 150
 1st Runner Up RM 100
 2nd Runner Up RM 50

The top 3 winners will be representing the kulliyah at the University Level
COMPETITION DETAILS
 • Open for all KICT PND students (Not in TE Status)
 • Record your 3-minutes video
 • Submit to akemsaani@ium.edu.my cc to pa.dagg@kict.ium.edu.my
 • For further information kindly email us or WhatsApp 0173391896
SEND YOUR VIDEO BEFORE: 26 APRIL 2024

THREE MINUTES THESIS COMPETITION

KULLIYAH OF INFORMATION AND COMMUNICATION TECHNOLOGY (KICT)
CONGATULATIONS
3MT Competition! 2024
RUNNER-UP
 NUR ASWANI
 PRIZE **RM 100**

Supervisor:
 Dr. Nur Liza Yusoff (PND) BSN, Jember
 Co-Supervisor:
 Assoc. Prof. Dr. Saiful Husein Bin Abd Kadir
 Assoc. Prof. Dr. Saiful Husein Bin Abd Kadir

THREE MINUTES THESIS COMPETITION

KULLIYAH OF INFORMATION AND COMMUNICATION TECHNOLOGY (KICT)
CONGATULATIONS
3MT Competition! 2024
2ND RUNNER-UP
 SYEDA SHAIZADI MERAJ
 PRIZE **RM 50**

Supervisor:
 Prof. Dr. Saiful Husein Bin Abd Kadir
 Co-Supervisor:
 Prof. Saiful Husein Bin Abd Kadir, Assoc. Prof. Saiful Husein Bin Abd Kadir, Dr. Ahmad Bin Ismail

THREE MINUTES THESIS COMPETITION

KULLIYAH OF INFORMATION AND COMMUNICATION TECHNOLOGY (KICT)
CONGATULATIONS
3MT Competition! 2024
WINNER
 SHAILA SHARMIN
 GRAND PRIZE **RM 150**

Supervisor:
 Prof. Dr. Saiful Husein Bin Abd Kadir
 Co-Supervisor:
 Prof. Dr. Saiful Husein Bin Abd Kadir, Assoc. Prof. Saiful Husein Bin Abd Kadir, Dr. Ahmad Bin Ismail

THREE MINUTES THESIS COMPETITION

Launching Ceremony of

IOTEAMS
 SECURITY FIRST
 EMPOWERING NETWORK PROTOCOL
 KULLIYAH OF INFORMATION COMMUNICATION TECHNOLOGY

Date : Friday, 17th May 2024
 Time : 11.15am
 Venue : Conference Room

KICT
 KULLIYAH OF INFORMATION AND COMMUNICATION TECHNOLOGY (KICT)

INNOVATIVE TECH EXPO
INNOVATEX
 BUSINESS MODELLING & PITCHING BOOTCAMP
 10 MAY 2024
 KAED MAIN AUDITORIUM
 SEMESTER 2, 23/24

FYP SHOWCASE AND COMPETITION
 5 JUNE 2024
 IUM CULTURAL CENTRE (ICC)

Organizer:
 In collaboration with

Activity



Activity



Activity

GDSC IIUM x NDL:
FOCUS SESSION
HARNESSING
OPTIMAL BRAIN
FUNCTION AND
HEALTH

30th MAY 2024
FRIDAY
2:30PM - 5:30PM

NEUROTECH CENTRAL LAB (NCL)
BLOCK 1, LEVEL 1
KIT

SCAN HERE FOR REGISTRATION

SPEAKERS

- ASSOC. PROF. DR. MARIAH ASHWIKA (SOFELIFE)
BRAIN FUNCTION AND HEALTH
- DR. ABDULMALIK MOHAMED HADI (KARAKI)
HARNESSING HIGH COGNITIVE PERFORMANCE AS STUDENTS
- DR. NURA AZREEN
INTRODUCTION TO NDL
- DR. NURA AZREEN
INTRODUCTION TO NDL
- DR. NURA AZREEN
COE TECHNOLOGY DEMONSTRATION

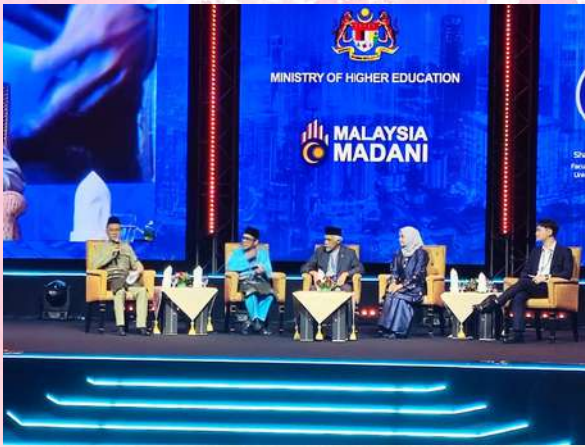
PROGRAMME TENTATIVE

TIME	ACTIVITY
2:30PM	OPENING REMARKS BY ASSOC. PROF. DR. MARIAH ASHWIKA (SOFELIFE)
3:10PM	PART 1: BRAIN FUNCTION AND HEALTH SPEAKER: ASSOC. PROF. DR. MARIAH ASHWIKA (SOFELIFE), ICCTP, ST. PETRIUS, AAAS (IPWAS)
3:50PM	BREAK
4:30PM	PART 2: HARNESSING HIGH COGNITIVE PERFORMANCES AS STUDENTS SPEAKER: DR. ABDULMALIK MOHAMED HADI (KARAKI)
4:50PM	BREAK
5:10PM	PART 3: INTRODUCTION TO NDL - COE TECHNOLOGY DEMONSTRATION SPEAKER/LECTURER: DR. NURA AZREEN (KIT), DR. NURA AZREEN (KIT), DR. NURA AZREEN (KIT), DR. NURA AZREEN (KIT)
5:30PM	CLOSING REMARKS SPEAKER: NDL
5:30PM	PHOTO SESSION & DISPERSE



Activity

MAJLIS PELUNCURAN MALAYSIA ARTIFICIAL INTELLIGENCE NEXUS 2024



MYSDG CONFERENCE 2024



Talk/Seminar





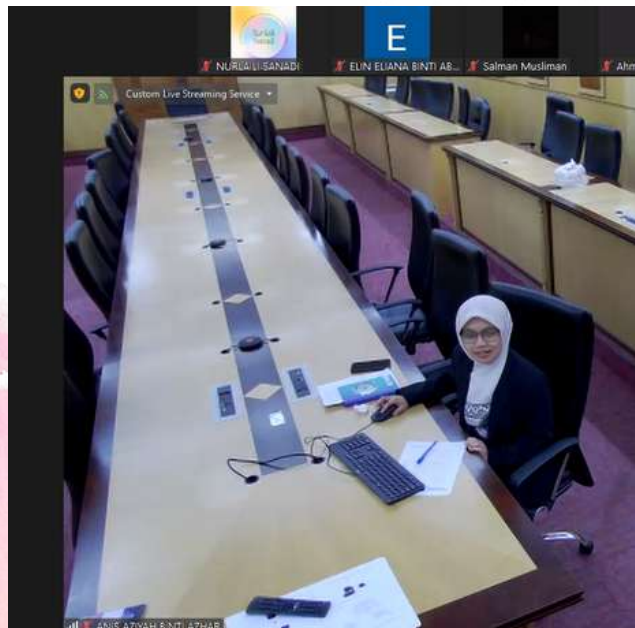

INTERNATIONAL MULTI-AWARD WINNING INSTITUTION FOR SUSTAINABILITY

FINAL YEAR PROJECT (FYP) COPYRIGHT WORKSHOP

Date: 5 April 2024 (Friday)
 Time: 10AM - 11.30 AM
 Platform: Zoom




Speaker:
 Sr. Anis Aziyah Azhar
 Librarian,
 Dar al-Hikmah Library







AN INTERNATIONAL AWARD-WINNING INSTITUTION FOR SUSTAINABILITY

CPS UNIFIED RESEARCH METHODOLOGY SHARING SERIES



SCAN HERE!


PROF. DR. AKRAM M. Z. M. KHEDHER
 Professor and Coordinator, KICT UM Gombak Campus

GENERATIVE AI & POSTGRADUATE RESEARCH

6 MAY 2024 (MONDAY) | 2.30 - 3.30 PM | ONLINE





INTERNATIONAL MULTI-AWARD WINNING INSTITUTION FOR SUSTAINABILITY

RINGGIT REBOOT

UNMASKING MONEY SCAMS IN THE DIGITAL ERA

25 APRIL 2024
 8:15 PM - 11:00 PM
 ZOOM MEETING


SPEAKER
 TUAN ASP RAHMAT FITRI BIN ABDULLAH


MODERATOR
 NUR FATIMAH BINTI ABDULLAH


 Register Now!







INTERNATIONAL MULTI-AWARD WINNING INSTITUTION FOR SUSTAINABILITY

Islamisation Intellectual Discourse

Integration to Islamicisation:

Mohd. Kamal Hassan's Views



Prof. Dr. Thameem Ushama

Date : Thursday 16 May 2024
 Time : 11:30 am to 1.00 pm
 Venue : MS Team


 Moderator:
 Dr. Aznan Zuhid bin Saidin

JOIN US







University of Darunnajah Proudly Presents:

2nd ICOP 2024

International Conference On Pesantren And Call for Papers

"Pesantren 5.0: Transformation of Education, Business, and Technology Towards Sustainable Society."


 Welcoming Speech
 Dr. K.H. Sofwan Manal, M.Si.
 (President Of Darunnajah University)


 Dr. Ardharkisa Zukhruf Kurniullah, M.Med.Kom, MBA, Ph.D.
 (Rector Of Tazkia Islamic Institute)


 Prof. Madya Dr. Zetty Nurzuliana binti Rashed
 (Associate Professor Islamic Education) at International Islamic College University of Selangor)


 Dr. Much. Hasan Darejat
 Rector of University of Darunnajah

Keynote Speakers

Prof. Dr. Muhammad Ali Ramdhani, S.TP, M.T (Secretary general of ministry of Religious Affairs, Republic of Indonesia)
 Dr. KH. Muhammad Habib Chirzin (Director of International Institute of Islamic Thought, Indonesian Representative)

Invited Speakers

Dr. Zahid Majeed (Director Academic Planning & Course Production, Islamabad, Pakistan)
 Dr. Shayza Othman (Senior Academic Fellow of International Institute of Islamic Thought, USA)
 Prof. Dato' Dr. Mohamad Fauzan Noordin (Director Institut of Islamic Thought (IIT) East and South East Asia)

Supported by:








University of Darunnajah
 Jakarta - Indonesia
 14 May 2024

Publication

(Submission in JRep for April 2024)

1. Ab Razak, Muhammad Naqib Syahmi and Mohamad, Muhammad Imran and Handayani, Dini Oktarina Dwi and Attarbashi, Zainab S. and Hakiem Afrizal, Sandra and Suryady, Zeldi (2024) Prayer hall vacancy detection. In: 9th International Conference on Computing, Engineering and Design (ICCED 2023), 7th - 8th November 2023, Kuala Lumpur, Malaysia.
2. Arsat, Nadiyah and Awang Abu Bakar, Normi Sham and Yahya, Norzariyah (2024) The assessment of the state of automated testing in blockchain-based systems: a review. In: 4th Asia Service Sciences and Software Engineering Conference (ASSE 2023), 27th - 29th October 2023, Aizu-Wakamatsu City, Japan.
3. Farabi, Ahmad and Zamroni, Zamroni and Handayani, Dini Oktarina Dwi and Setianto, Rahmat Heru (2024) Sustainable development in Indonesia: a study of energy consumption, CO2 Emissions, FDI, and gross capital formation. International Journal of Energy Economics and Policy, 14 (2). pp. 435-446. ISSN 2146-4553
4. Hussain, Fahad and Rahman, Rayyanur and Mahmud Attar Bashi, Zainab Senan and Naser Fadaq, Wafa Hussein and Mustafa, Manar (2024) Understanding human behavior in phishing attacks across diverse user groups: an ethical hacking analysis. In: 1st Karachi Section Humanitarian Technology Conference (KHI-HTC 2024), 8th - 9th January 2024, Tandojam, Pakistan.
5. Khairun, Nisa Ranti and Zakaria, Noor Azura (2024) EasyKos: room rental management system. In: Advancement in ICT: Exploring Innovative Solutions (AdICT) Series 1/2024. KICT Publishing, Kuala Lumpur, Malaysia, pp. 1-4.
6. Saharudin, Muhammad Aqil Izdihar and Rosli, Muhamad Aizat Nazran and Handayani, Dini Oktarina Dwi and Basri, Atikah Balqis and Mahmud Attar Bashi, Zainab Senan and Suryady, Zeldi (2024) Flood forecasting using weather parameters. In: 2023 IEEE 9th International Conference on Computing, Engineering and Design (ICCED), 7- 8 November 2023, Kuala Lumpur, Malaysia.
7. Zainuddin, Ahmad Anwar and Bhattacharjee, Soumik and Md Ralib, Aliza Aini and Mohd Sukri, Nurain Sufi Sabreena and Binti Kamarudin, Saidatul Izyanie and Subramaniam, Krishnan and Handayani, Dini Oktarina Dwi and Reyasudin Basir Khan, M. and Nik Mohd. Kamal, Nik Nor Muhammad Saifudin (2024) Optimization of multi-channel quartz crystal microbalance for Gas Sensing Application. In: 2023 IEEE 8th International Conference on Recent Advances and Innovations in Engineering (ICRAIE), 02-03 December 2023, Kuala Lumpur, Malaysia.
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Title :

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