Program Book

ICCED 2023
9th International Conference on Computing, Engineering, and Design
https://icced.nusaputra.ac.id/

07th-08th November, 2023
WELCOME TO ICCED 2023

Organized by:

Co-Hosted by:

Co-Technically Sponsored by:
Welcome to the 9th International Conference on Computing, Engineering and Design (ICCED 2023). On behalf of the organizing committee who has been working for over a half year to put this conference together, we cordially welcome all participants. ICCED is an annual event and this year, we are blessed to have competent and dedicated organisers which is organized by Nusa Putra University, International Islamic University Malaysia (IIUM), Universitas Islam Negeri Sunan Gunung Djati, Sampoerna University, Bina Nusantara University, and Sponsored by IEEE Indonesia Section, IEEE KL Malaysia Subsection, and Computer Intelligence Society Indonesia Chapter. Our goal in making this conference happen is to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of Informatics Engineering, Information Science, Mechanical Engineering, Electrical Engineering, Civil Engineering, and Visual Communication Design. We have successfully received 408 paper submission and 161 have been accepted, so the success rate is about 40%, to qualify for presentation and publication. This conference attracts authors and reviewers from 12 countries including Indonesia, Malaysia, India, Bangladesh, Austria, United States, Oman, Taiwan, Philippines, Australia, Thailand and Turkey. These papers are of good quality as they are reviewed by qualified and experienced academicians and researchers in related disciplines. With the theme "Generative AI for Engineering and Design: Bridging Creativity and Efficiency" we hope all participants will enjoy an intellectual and stimulating discussion that allow them to move forward in their research work.

Best wishes,

Teddy Mantoro
General Chair for ICCED 2023
Virtual Link Address (Zoom)

Topic: The 9th International Conference on Computing, Engineering, and Design (ICCED 2023)

Date and Time: Tuesday, November 07\textsuperscript{th} 2023 07.30 AM (Jakarta-Indonesia) or 08.30 AM (Kuala Lumpur-Malaysia)

The link for the 9\textsuperscript{th} ICCED 2023

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Rules:

1. All participants have to attend the opening session.
2. Name Formatting:
   a. Presenter:
      - Room No_Paper ID_fullname
      01_14_ Dede Sukmawan
   b. Non-Presenter: fullname
      e.g., Prasetyo Hartanto
3. Restrictions: Mute

Any inquiry may be addressed to +62 813-1232-8942 (whatsapp only)
# PROGRAM SCHEDULE ICCED 2023

## 07th-08th November 2023

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<td><strong>DAY 1, 7 NOVEMBER 2023 (TUESDAY)</strong></td>
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<td>8.00 AM – 8.30 AM</td>
<td>Registration</td>
<td>MPH</td>
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<td>8.30 AM – 10.00 AM</td>
<td>Opening Ceremony and MOU Signing</td>
<td>MPH</td>
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<tr>
<td>10.00 AM – 10.30 AM</td>
<td>Refreshment &amp; Group Photos</td>
<td>Around MPH</td>
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<tr>
<td>10.30 AM – 10.40 AM</td>
<td>General Chair Welcoming Speech Prof. Teddy Mantoro</td>
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<tr>
<td>10.40 AM – 11.30 AM</td>
<td>ICCED 2023, Keynote 1 Assoc. Prof. Ts. Dr. Mohd Ibrahim Bin Shapiai</td>
<td>MPH</td>
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<tr>
<td>11.30 AM – 12.30 PM</td>
<td>ICCED 2023, Keynote 2 Prof. Saman Halgamuge</td>
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<tr>
<td>12.30 PM – 01.30 PM</td>
<td>Lunch</td>
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<tr>
<td>01.30 PM – 03.10 PM</td>
<td>ICCED 2023, Parallel Session 1</td>
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<tr>
<td>03.10 PM – 03.25 PM</td>
<td>Refreshment</td>
<td>KICT Round</td>
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<td>03.25 PM – 05.05 PM</td>
<td>1. ICCED 2023, Parallel Session 2</td>
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<td>2. ICCED 2023, Research Poster Presentation</td>
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Note:

Kuala Lumpur, Malaysia (GMT + 8)
## DAY 2, 8 November 2023 (WEDNESDAY)

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<td>8.00 AM – 9.00 AM</td>
<td>Registration</td>
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<td>9.00 AM – 10.00 AM</td>
<td>ICCED 2023 Keynote 2</td>
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<td>Prof. Ts. Ir. Dr. Ahmad Fadzil Ismail</td>
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<tr>
<td>10.00 AM - 10.15 AM</td>
<td>Refreshment</td>
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<td>10.15 AM – 12.15 PM</td>
<td>ICCED 2023 Parallel Session 3</td>
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<td>12.15 PM – 01.15 PM</td>
<td>Lunch</td>
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<td>ICCED 2023 Parallel Session 4</td>
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<tr>
<td>03.15 PM – 03.20 PM</td>
<td>Break Sessions</td>
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<tr>
<td>03.20 PM – 05.00 PM</td>
<td>ICCED 2023 Parallel Session 5</td>
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<td>05.00 PM – 05.05 PM</td>
<td>Break Sessions</td>
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<td>05.05 PM – 05.45 PM</td>
<td>Closing ICCED 2023</td>
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**Note:**

Kuala Lumpur, Malaysia (GMT + 8)
Keynote Speaker

Assoc. Prof. Ts. Dr. Mohd Ibrahim Bin Shapiai

Ts. Dr. Mohd Ibrahim Bin Shapiai @ Abdul Razak currently works as an Assoc. Professor at Malay-Japan International Institute of Technology (MJIIT) of Universiti Teknologi Malaysia Kuala Lumpur. Prior to his current position now, he previously worked as a lecturer at Universiti Teknologi Malaysia main campus in Skudai, Johor from 2008-2014. As for his educational background, in 2004, he graduated with his diploma in Telecommunication Engineering at Universiti Teknologi Malaysia followed by his Master in Audio Signal Processing at the University of York, United Kingdom in the year 2007. Not only that, but he also completed his Ph.D. in Machine Learning at Universiti Teknologi Malaysia. His widely known expertise including Artificial Intelligence, Machine Learning, Brain Computer Interface, and Swarm Intelligence.

The presentation titled "AI on Cloud: An Application" offers a practical exploration of artificial intelligence, spotlighting computer vision, 3D modeling, and generative AI. It kicks off with a historical review, spanning the early days of AI's promise to the challenging "AI winters" marked by setbacks and technical constraints. However, the landscape has shifted significantly with the advent of deep learning, ushering in a new era of AI and the emergence of generative AI as a standout feature. Notably, Large Language Models like ChatGPT take center stage, showcasing their capacity to not only predict but also generate content. The presentation delves into the core principles of Large Language Models, elucidating how they can be tailored for various applications using embedding and fine-tuning methods. Beyond theory, the talk highlights concrete applications of AI in the cloud, encompassing tasks such as monitoring assets on tall structures, livestock counting, semiconductor defect detection, and the development of AI-driven chatbots for natural and engaging interactions. "AI on Cloud: An Application" delivers a holistic perspective on AI's evolution, illustrating its wide-ranging impact across industries, from enhancing productivity to reshaping creativity and human-AI interactions.
Keynote Speaker

Prof. Saman Halgamuge

Prof Saman Halgamuge, University of Melbourne, Fellow of IEEE and IET, received the Dr.-Ing and Dipl.-Ing in data engineering from the Technical University of Darmstadt, Germany, and BSc Engineering degree from University of Moratuwa, Sri Lanka. He is listed as a top 2% most cited researcher for AI and Image Processing in the Stanford database. His previous leadership roles include Head, School of Engineering at Australian National University and Associate Dean of the Engineering and IT at University of Melbourne. He graduated 50 PhD students and mentored 16 postdoctoral fellows in Australia. His research funding includes Australian and International industry and government agencies and philanthropic foundations. His associations with Malaysia include visiting professorship of University Putra Malaysia (current), University of Malaya (one month) and external member of Research Advisory Committee of University of Technology Petronas (over three years). His associations with Indonesia include visiting professorship of ITB (current) and joint grants with University of Gajahmada and Universitas Indonesia and providing presentations on research strategy to several universities in Indonesia and to Directorate General of Higher Education, Research and Technology at the Ministry of Education, Culture, Research and Technology. He is a frequently sought after public speaker who delivered about 50 keynote speeches in the last 10 years. His 2023 keynotes include: 17th IEEM (Singapore), 22nd InCOB (Australia), 15th ACIIDS (Thailand), ITIS (Indonesia), AIBC 2023 (Japan) and MICML (China).

The presentation titled "Can AI change the developing countries on Earth?" The 21st century AI needs to be socially responsible and equipped with capabilities to face serious threats like dangerous epidemics and climate emergencies. Several major technical issues hinder the creation of such AI with democratized access that would bring most of this technology to almost all people on Earth specially for developing nations. AI used in applications evade regulations in most parts of the world. I will introduce these major technical issues of AI as well as the opportunities current AI can create for the developing world. My talk will focus on two groups of AI applications: well-known applications of AI of value to the planet including the developing world, e.g., Health, Agriculture, Energy, Transportation and Environment and specific applications of AI mostly useful to the developing countries.
Keynote Speaker

Prof. Ts. Ir. Dr. Ahmad Fadzil Ismail

Ahmad Fadzil Ismail (Senior Member, IEEE) received a B.Sc. in Electrical Engineering from Gannon University, Erie, Pennsylvania, USA in 1994, an M.Sc. degree in Telecommunication and Information Systems from the University of Essex, UK in 1996, and the Ph.D. degree in Electronics from the University of Bath, UK in 2000. He is currently working as a Professor with the Department of Electrical and Computer Engineering, Faculty of Engineering, International Islamic University Malaysia, Selangor, Malaysia. He is a Professional Engineer with a Practicing Certificate enlisted at the Board of Engineering Malaysia and a registered Professional Technologist with the Malaysia Board of Technologists. His research interests include the development of active and passive target tracking algorithms, radio frequency and wireless systems, and microwave and millimeter wave technology.

Title: Artificial Intelligence (AI) Conundrum Juggle: Strategy, Creativity and Efficiency.

Abstract

Associating creativity and efficiency using artificial intelligence (AI) can be a prevailing means to augment prompt productivity and innovation in various domains, such as technology, business, and even art. To realistically bridge creativity and efficiency with AI, it's decisive to strike a balance that includes strategy. While AI can expedite processes and offer insights, it should also leave room for human intuition, critical thinking, and ingenuity. A strategy that advocates sustainability must be imbued in the process flow. What is more, ethical contemplations should guide the development and use of AI in all creative processes. This is a safeguard so that AI doesn't stifle creativity or originality.
# Technical Session Detail

**Tuesday, 7th November 2023**

**A. Room 1: TS 1-1 & TS 1-2**

**Meeting ID**: 828 9858 5060  
**Passcode**: icced2023  
**Room**: LR 9, KICT IIUM Malaysia

**Session Chair**: Asst. Prof. Dr. Aidrina Binti Mohamed Sofiadin (TS 1-1)  
Asst. Prof. Dr. Dwi Pebrianti (TS 1-2)

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<td>TS 1-1</td>
<td>357</td>
<td>Adhitia Erfina, Rahmat Hidayat, Rafli Radya Rizaldi, Puput, Riko Maulana</td>
<td>Analyzing Code Injection Attacks on Applications of Android Devices and Emulator</td>
<td>01.30pm – 01.50pm</td>
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<td>288</td>
<td>Nicholas Prasetio, Daniel Ferdinand Ardianto, Brandon Christopher Wijaya, Maria Susan Anggreany and Afdhal Kurniawan</td>
<td>Performance Analysis of Distributed Database System in Cloud Computing Environment</td>
<td>01.50pm – 02.10pm</td>
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<td>117</td>
<td>Ashif Fajar Riady, Grace Martha Tara, Suciannna Ghadati Rabih</td>
<td>Designing an IoT-Based Information System for Improving Efficiency and Productivity in Small-Scale Manufacturing Industries</td>
<td>02.10pm – 02.30pm</td>
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<td>124</td>
<td>Ahmad Yusuf Karoma, Temmy Julianul Ichsan, Meta Amalya Dewi, Sucianna Ghadati Rabih</td>
<td>User Experience Analysis on JIBAS Computer Based Exam Application Using Usability Testing Method</td>
<td>02.30pm – 02.50pm</td>
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<td>353</td>
<td>Nisa Nurushalihah, Silmy Ni'Matul Kamila and Salma Addiyani Tsaqila</td>
<td>Big Asian Countries Economic Recovery Post Covid-19 Pandemic Sentiment Analysis</td>
<td>02.50pm – 03.10pm</td>
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<tr>
<td>TS 1-2</td>
<td>364</td>
<td>Adhitia Erfina, Silmy Ni'matul Kamila, Nisa Nurushalihah, Salma Addiyani Tsaqila, Dede Sukmawan</td>
<td>Big Asian Countries Economic Recovery Post Covid-19 Pandemic Sentiment Analysis</td>
<td>03.25pm – 03.45pm</td>
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<td>198</td>
<td>Dessy Handayani, Ridho Ikhsan, Yudi Fernando, Yudhita Valen Prasarry, Hartiwi Prabowo and Andrianto Susilo</td>
<td>Predicting Customer Trust and Behavioral Intention to Invest Cryptocurrency</td>
<td>03.45pm – 04.05pm</td>
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<td>186</td>
<td>Chakalica Widyadipraja, Agung Kurniawan, Yuniary, Christopher Joshua Leksana, Hartiwi Prabowo, Lily Leomita</td>
<td>Understanding Antecedents Subscription Intentions for Video Streaming</td>
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<td>399</td>
<td>Azhar Muhammad Fikri Fuadi, Cecep Nurul Alam, Dian Sa'adillah Maylawati, Wildan Budiawan Zulifkar, Agung Wahana, Rifqi Syamsul Fuadi</td>
<td>Football Supporters Club Opinion Analysis using Recurrent Neural Network</td>
<td>04.20pm – 04.45pm</td>
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<td>049</td>
<td>Amarena Nediari, Yunida Sofianna, Hervina Dyah Aprilia</td>
<td>The Study of Space Circulation on IKEA Kreativ Application for Sustainable Business in Furniture Industry</td>
<td>04.45pm – 05.05pm</td>
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The 9th International Conference on Computing, Engineering, and Design

Tuesday, 7th November 2023

B. Room 2: TS 2-1 & TS 2-2

Meeting ID: 828 9858 5060
Passcode: icced2023
Room: LR 10, KICT IIUM Malaysia

Session Chair: Asst. Prof. Dr. Nor Saadah Binti Md Nor (TS 2-1)
Asst. Prof. Dr. Akeem Olowolayemo (TS 2-2)

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<tr>
<td>TS 2-1</td>
<td>093</td>
<td>Felix Irwanto, Jessica Jodis, Emily Indrakusuma, Anderes Gui, Richard</td>
<td>Decentralized Identity (DID) for Know Your Customer (KYC) Process in the Banking Industry</td>
<td>01.30pm – 01.50pm</td>
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<td>346</td>
<td>Arny Laatu, Deudeu Sri Rahayu, Berdyan Syahpradana, and Anton Permana</td>
<td>Analysis of Edlink User Satisfaction Using Pieces Framework (Case Study: University X)</td>
<td>01.50pm – 02.10pm</td>
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<td>271</td>
<td>Arna Fariza, Rengga Asmara, Muhammad Oktavian Fajar Rojaby, Eha Renwi Astuti, Ramadhan Hardani Putra</td>
<td>Automatic Tooth Enumeration on Panoramic Radiographs Using Deep Learning</td>
<td>02.10pm – 02.30pm</td>
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<td>321</td>
<td>Paikun, Hesri Mintawati, Rivan Kuswara, Mahtub Tazribat, Arguna Ramli Sabriansyah, and Jasmansyah</td>
<td>Experimental analysis of the difference between conventional and precast WWTP septic tank costs</td>
<td>02.30pm – 02.50pm</td>
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<td>50</td>
<td>Bryan Vincencius, Dharmawan Ruslan, Vincent, Karli Eka Setiawan and Muhammad Fikri Hasani</td>
<td>Clustering Tweets for Analyzing Public Perception of AI-generated Art</td>
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<td>008</td>
<td>Tobias Warbung and Devi Kurniawati Homan</td>
<td>Building a Better Future-A Website for YSBM Foundation to Promote Quality Education and Nutritious Meals for Underprivileged Children</td>
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<td>345</td>
<td>Tri Gohansen Yonwijaya, and Rosidah Rosidah</td>
<td>A study on behavioral intention to use in Cryptocurrency applications among Generation Z using UTAUT Model</td>
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<td>323</td>
<td>Paikun, Didi Nurjanah, Mediana Utami, Vikri Nur Alam, Richa Rahmaliyah Sunthdji, and Barkah</td>
<td>Analysis of the quality of domestic wastewater before and after treatment using WWTP</td>
<td>04.05pm – 04.20pm</td>
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<td>325</td>
<td>Paikun, Ranu Muhammad Fajargde, Selvia, Moh Humaeni, Selfin Amugrah Amdani and Dana Budiman</td>
<td>Analysis of the design prototype for prefabricated building components in subsidized housing</td>
<td>04.20pm – 04.45pm</td>
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<td>053</td>
<td>Azwi Haidar, Femina Dunitanti, Meta Amalya Dewi, and Sucianna Ghadati Rabih</td>
<td>Usability Evaluation of Mobile Travoy Application Using the System Usability Scale (SUS) Method (Case Study: PT Jasamarga Tollroad Operator)</td>
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C. Room 3: TS 3-1 & TS 3-2

Meeting ID: 828 9858 5060
Passcode: icced2023
Room: LR 11, KICT IIUM Malaysia

Session Chair: Asst. Prof. Dr. Siti Asma binti Mohammed (TS 3-1)
Asst. Prof. Ts. Dr. Hafizah Binti Mansor (TS 3-2)

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<td>Eva Nurlatifah, Satya Wira Pemana, Agung Wahana, Diena Rauda Ramdania and Yana Aditia Gerhana</td>
<td>The Comparison Of Lexicon-Based And Support Vector Machine Methods For Online Loan Sentiment Analysis On Twitter Social Media</td>
<td>01.30pm – 01.50pm</td>
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<td>244</td>
<td>Dewi Astari, Yudi Fernando, Ridho Ikhsan, Ika Sari Wahyuni-Td, Hartiwi Prabowo and Erick Fernando</td>
<td>Predictors of Perceived Customer Experience and Perceived Trust: Purchase Legal Woods Online on Web-Commerce</td>
<td>01.50pm – 02.10pm</td>
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<td>311</td>
<td>Thomas Wernbacher, Mario Platzer, Alexander Seewald, Thomas Winter, Simon Wimmer, Alexander Pfeiffer</td>
<td>Green E-Commerce</td>
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<td>245</td>
<td>Novie Lilisia Sekar Wulan, Yudi Fernando, Ika Sari Wahyuni-Td, Ridho Ikhsan, Erick Fernando and Hartiwi Prabowo</td>
<td>Electronic Service Quality and Information Quality on Online Customer Satisfaction: A Study of Legal Woods</td>
<td>02.30pm – 02.50pm</td>
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<td>010</td>
<td>Andra Maret Setyo Resmi, l’in Nuraini, Muhamad Iqbal Samudra, dan Dina Fitria Murad</td>
<td>User Experience Analysis of BAZNAS Jombang Website Using User Experience Questionnaire</td>
<td>02.50pm – 03.10pm</td>
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<td>TS 3-2</td>
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<td>Fajar M Syam, Rian Maulana Yusup, Samsudin, and Muchtar Ali Setyo Yudono</td>
<td>Systematic Review Image Processing Based Dorsal Vein Pattern Biometric Authentication System</td>
<td>03.25pm – 03.45pm</td>
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<td>105</td>
<td>Hendrico Ajey , Rina Mardiati , Lia Kamelia</td>
<td>Automatic Presence System With Face Recognition Based Smartphone Camera Using The Haar Cascade Method</td>
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<td>Muhammad Aqil Izdihar bin Sahurudin, Muhamad Aizat Nazran bin Rosli, Dini Oktarisa Dwi Handayani, Atikah Balqis binti Basri, Zainab S. Attarbash, and Zeldi Suryady</td>
<td>Flood Forecasting Using Weather Parameters</td>
<td>04.05pm – 04.20pm</td>
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<td>011</td>
<td>Wendi Maruli Panjaitan, Ray Hansen, Rizquillah Andi Pawawoi, Dina Fitria Murad</td>
<td>Analyzing User Experience in SEVA Application: A User Experience Questionnaire Study</td>
<td>04.20pm – 04.45pm</td>
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<td>077</td>
<td>Brainnisa Ramadhani Nur Nisrina, Baskoro Azis, Milkhatussyafa'a'h Taufiq, Gusti Pangestu, Muhammd Dzaki Fuad, and Felix Franklin Zebua</td>
<td>Design approach for child-friendly space in densely populated settlements based on behaviour settings and Bing AI Image Generator. (Study Case: Kampung Wisata Jodipan (KWJ) Malang)</td>
<td>04.45pm – 05.05pm</td>
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Tuesday, 7th November 2023

D. Room 4: TS 4-1 & TS 4-2

Meeting ID: 828 9858 5060
Passcode: icced2023
Room: LR 12, KICT IIUM Malaysia

Session Chair: Asst. Prof. Dr. Ts. Zahidah Binti Zulkifli (TS 4-1)
Asst. Prof. Dr. Atikah Balqis Binti Basri (TS 4-2)

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<td>TS 4-1</td>
<td>309</td>
<td>Anderes Gui, Frensen Antonio, Muhammad Shabir Shaharudin, Elfindah Princes, Idris Gautama So, and Razib Chandra Chanda</td>
<td>Drivers and Barriers of Cloud Accounting Adoption</td>
<td>01.30pm – 01.50pm</td>
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<td>352</td>
<td>Berren Arisandy Hermanto, Anderes Gui, Idris Gautama So, and Andi Alkila Aurelia Firjatullah Muzakkir</td>
<td>Digital Bank Security in Indonesia</td>
<td>01.50pm – 02.10pm</td>
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<td>078</td>
<td>Diena Rauda Randania, Cecep Nurul Alam, Afif Hani Ghuswari, Mohamad Irfan, Aldy Rialdy Atmadja and Maisevli Harika</td>
<td>Binary to Decimal Conversion and Subnetting Calculations using Augmented Reality</td>
<td>02.10pm – 02.30pm</td>
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<td>381</td>
<td>Maryam Nur Badriyyah, Novi Adisty, Salsa Dwi Sagita and Utamy Sukmayu Saputri</td>
<td>Green Building Assessment Based on Appropriate Site Development and Water Conservation Category at Building B Nusa Putra University</td>
<td>02.30pm – 02.50pm</td>
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<td>104</td>
<td>Miranti Nurul Huda, Lintang Ayu Larasati, Hindam Basith Rafiqi, and Donna Carolina</td>
<td>Revitalizing the UI/UX Design of Bromo Tengger Semeru National Park Website through Design Thinking Methodology</td>
<td>02.50pm – 03.10pm</td>
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<td>TS 4-2</td>
<td>296</td>
<td>Annisa Luthliasari, Citra Fadillah, and Ferri Gunawan</td>
<td>Fluid Geometric: An Experimentation of Designing Flexible Multi-Style Typeface Using Variable Font</td>
<td>03.25pm – 03.45pm</td>
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<td>160</td>
<td>Muhammad Surya Wijaya, Yudi Fernando, Ridho Ikhsan, Ika Sari Wahyuni-Td, Erick Fernando and Hartiwi Prabowo</td>
<td>Perceived Trust of Paylater and Relaxation Shopping: Gender as A Moderator</td>
<td>03.45pm – 04.05pm</td>
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<td>170</td>
<td>Agus Muhammad Mirza, Yudi Fernando, Fineke Mergeresa, Ika Sari Wahyuni-Td, Ridho Ikhsan and Erick Fernando</td>
<td>Psychological Risk, Security Risk and Perceived Risk of the Cryptocurrency Usage</td>
<td>04.05pm – 04.20pm</td>
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<td>139</td>
<td>Hideyuki Elvin Ramandhanizcha, Siti Yuniarti and Besur</td>
<td>Assistance of cybercrime: Practise in Indonesia</td>
<td>04.20pm – 04.45pm</td>
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<td>339</td>
<td>Hesri Mintawati, Paikun Paikun, Muhammad Firmansyah, Indah Alaziz, Mildy Maryani and Anang Suryana</td>
<td>Design of a digitalized recharge system for groundwater sustainability in water exploitation areas</td>
<td>04.45pm – 05.05pm</td>
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The 9th International Conference on Computing, Engineering, and Design

Tuesday, 7th November 2023

E. Room 5: TS 5-1 & TS 5-2

Meeting ID: 828 9858 5060
Passcode: icced2023
Room: PG Lab 5, KICT IIUM Malaysia

Session Chair: Assoc. Prof. Dr. Muhammad Mahbubur Rashid (TS 5-1)
Asst. Prof. Dr. Zainab Senan Mahmod Attar Bashi (TS 5-2)

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<tr>
<td>TS 5-1</td>
<td>388</td>
<td>Sholahudin, Yordanius Damey, Wahyu Fauji and Muchtar Ali Setyo Yudono</td>
<td>Indoor Air Quality Monitoring System with Automation: A Review</td>
<td>01.30pm – 01.50pm</td>
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<td></td>
<td>332</td>
<td>Wildan Budiawan Zulfikar, Edi Mulyana, Virna Aleyna Derani, Mohamad Irfan and Cecep Nurul Alam</td>
<td>Rule-based Approach for Air Quality Monitoring System with Internet of Things</td>
<td>01.50pm – 02.10pm</td>
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<td>146</td>
<td>Agus Ramelan, Feri Adriyanto, Irwan Ilfadi, Laqman Hadi Dwi Satyro, Nike Sartika and Muhammad Adli Rizqulloh</td>
<td>IoT-Based Flow Meter Sensor for Genset Fuel Monitoring</td>
<td>02.10pm – 02.30pm</td>
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<td>240</td>
<td>Sofiya Alif Putri Imron, Yudi Fernandez, Ridho Ikhsan, Erick Fernando and Riniita Ayu Pradhan</td>
<td>Investigating Perceived Digital Switching Cost and Customer Satisfaction-Loyalty Model on Video on Demand</td>
<td>02.30pm – 02.50pm</td>
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<td>333</td>
<td>Yunida Sofiana, Amarena Nediari, and Hervina Dyah Aprilia</td>
<td>User Experience in Retail Furniture (IKEA Store) as a Model for Space Circulation in Apartment Design</td>
<td>02.50pm – 03.10pm</td>
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<td>TS 5-2</td>
<td>044</td>
<td>Dian Sa’adillah Maylawati, Rifqi Fajri Abdullah, Yana Aditia Gerhana, Agung Wahana, Ichsan Budiman, and Wisnu Uriawan</td>
<td>Changes Analysis in Public Opinion regarding Binary Option Trends using K-Means++</td>
<td>03.25pm – 03.45pm</td>
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<td>379</td>
<td>Muhammad Naqib Syahmi bin Ab Razak, Muhammad Imran bin Mohamad, Dini Oktarina Dwi Handayani, Zainab S. Attarbashi, Sandra Hakiem Afrizal, and Zeldi Suryady (IIUM)</td>
<td>Prayer Hall Vacancy Detection</td>
<td>03.45pm – 04.05pm</td>
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<td>152</td>
<td>Somantri, Alan Sujjada, Yusuf Saeful Bayan, Viky Rodiatura Ulum, and Fahmi Adrial Ilhami</td>
<td>Enhanced Plastic Detection and Classification: Advancing Recognition of Plastic Varieties Using YOLO V8</td>
<td>04.05pm – 04.20pm</td>
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<td>219</td>
<td>Samsul Pahmi, Nanang Priatna and Anggy Pradifta Junifithra</td>
<td>Exploring the Application of Augmented Reality in Mathematics Education: A Systematic Literature Review</td>
<td>04.20pm – 04.45pm</td>
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<td>054</td>
<td>Muhammad Sasmito Adi Wibowo, Salsabilaq Zahirah, and Meta Amalya Dewi</td>
<td>User Experience Evaluation On Kompas.Com Online News Portal Using User Experience Questionnaire (UEQ)</td>
<td>04.45pm – 05.05pm</td>
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**Tuesday, 7th November 2023**

**F. Room 6: TS 6-1 & TS 6-2**


Meeting ID: 828 9858 5060

Passcode: icced2023

Room: MPH, KICT IIUM Malaysia

Session Chair: Asst. Prof. Dr. Ts. Ahmad Anwar bin Zainuddin (TS 6-1)

Asst. Prof. Ts. Dr. Muhamad Sadry Abu Seman (TS 6-2)

<table>
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<tr>
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<tr>
<td>TS 6-1</td>
<td>341</td>
<td>Moh. Wafiq Fanani, Nabila Qonitah Lishandary, Nabila Firstananda Saputri, Tiurida Lily Anita, and Teguh Prasandy</td>
<td>User Experience Analysis Using Usability Testing Method on Online Queue System at Hospital Service</td>
<td>01.30pm – 01.50pm</td>
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<td>102</td>
<td>Tegar Dwi Pangestu, Rina Mardiati, and Aan Eko Setiawan</td>
<td>The Implementation of Fuzzy Logic Control-Based Robot Arm Movement</td>
<td>01.50pm – 02.10pm</td>
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<td>203</td>
<td>Muhammad Raihan Aditia Suhendi, Alfarizii, Arief Agus Sukmandhani, and Yulius Denny Prabowo</td>
<td>Network Anomaly Detection Analysis using Artillery Honeypot and Wazuh SIEM</td>
<td>02.10pm – 02.30pm</td>
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<td>161</td>
<td>Rizky Mahesa Ramadhan, Rin Rin Nurmalasari, Rangga Julfian Hakim, Rizky Nurhadhi, Agus Sukoco and Ary Setiadi Prihatmanto</td>
<td>Smart Electric Meter: Monitoring and Control for Electrical Consumption and Safety based on IoT</td>
<td>02.30pm – 02.50pm</td>
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<td>373</td>
<td>Anggy Pradiftha Junfithrana, Dani Mardiyana, Somantri Somantri and Satish Kumar Damodar</td>
<td>Enhancing Waste Management and Air Quality through Dual Chamber Incinerator with Filtration for Electrical Energy Generation</td>
<td>02.50pm – 03.10pm</td>
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| TS 6-2 | 103 | Nurfitria Khoirunnisa, Rina Mardiati and Taufan Abdurrahman | Prototype Urban Farming Assistant (WUFARM) using Web of Things for Family Food Security | 03.25pm – 03.45pm |
| | 097 | Ichsan Taufik, Mohamad Irfan, Dicky Wahyudi, Wildan Budiawan Zulfikar, and Aldy Rialdy Atmadja | Implementation of the Forward Chaining and Dempster Shafer Methods in Diagnosing Tonsillitis | 03.45pm – 04.05pm |
| | 150 | Nadya Riezka Azzahra Putri, Yudi Fernando, Ridho Ikhsan, Erick Fernando, Yudhita Prasarry and Hartiwi Prabowo | Digital Payment Experience at Coffee Shop: Customers Satisfaction and Repurchase Intention | 04.05pm – 04.20pm |
| | 127 | Friska Amalia, and Ahmad Fitriyansah | Case Study of 360 Image Viewer Software Utilization in Interior Design Presentation to Improve Product Immersion | 04.20pm – 04.45pm |
| | 166 | Setyo Supratno, Rohamid Rohamid, Putra Wisnu Agung Sucipto, Annisa Firasanti, Reza Anggriyawati Adara and Eki Ahmad Zaki Hamidi | Obstacle Avoidance Behavior Design in Hexapod Robots using Finite State Machine | 04.45pm – 05.05pm |
Tuesday, 7th November 2023

G. Room 7: Poster Room

Meeting ID: 828 9858 5060
Passcode: icced2023
Room: LR 13 – LR 14, KICT IIUM Malaysia

Session Chair: Tulus Rega Wahyuni E, S.Kom.i., M.Sn & Sudin Saepudin, S.Kom., M.Kom

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<tr>
<th>Room 7</th>
<th>Paper ID</th>
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<th>Time</th>
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<tr>
<td>TS 7-1</td>
<td>43</td>
<td>Khadijah Kibtiyah, Muhamad Ridwan Nullah, Aden Rahmat Ramdani, Mega Putri Utami, Alun Sujjada, Kamdan Kamdan and Hermanto Hermanto</td>
<td>Crime Data Identification Based On Events Locations In West Java Using K-Means Algorithm</td>
<td>03.00pm – 03.10pm</td>
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<td>52</td>
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<td>Anggun Fergina, Putri Anugrah Simanjorang, Armelia Isabela Taek, Falentino Sembiring, Dhea Adela and Siti Sarah Sobaria</td>
<td>Decision Support System For Food Recommendations To Support Web-Based Diet With Simple Additive Weighting Method Additive Weighting (Saw)</td>
<td>03.10pm – 03.20pm</td>
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<td>123</td>
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<td>Kamdan Kamdan, Chelika Patricia Handraputri, Muhammad Azmi Fauzan, Binbin Aripin, Ivana Lucia Kharisma, Gina Purnama Insany and Alun Sujjada</td>
<td>Design And Develop A First Person Shooter Game With Unity Based On Windows</td>
<td>03.20pm – 03.30pm</td>
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<td>168</td>
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<td>Muhammad Akbar, Firman Ramdhany, Ivana Lucia Kharisma and Kamdan Kamdan</td>
<td>Design And Development Of An IOT-Based Air Purifier</td>
<td>03.30pm – 03.40pm</td>
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<td>340</td>
<td></td>
<td>Abi Yusup, Indra Maajid Aditama, Risa Nursania, Falentino Sembiring</td>
<td>Analysis Of The Influence Of Artificial Intelligence (AI) Base Application On Technological Life Of Communities With Support Vector Machine (Svm)</td>
<td>03.40pm – 03.50pm</td>
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<td>314</td>
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<td>Ajeng Wulan Suci, Novitasari, Rijal Pahlepi, Sudin Saepudin and Carti Irawan</td>
<td>Application Of Decision Tree Algorithm With Iterative Dichotomiser 3 In Steel Sales</td>
<td>03.50pm – 04.00pm</td>
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<td>91</td>
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<td>Falentino Sembiring, Mayang Gunawan, Rosalinda Hakim and Venni Januarita Putri</td>
<td>Comparison Of Global Stock Price Movements Using Support Vector Machine (Svm) And Naïve Bayes Algorithms Post-Pandemic (Case Study: Xiaomi And Samsung)</td>
<td>04.00pm – 04.10pm</td>
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<td>326</td>
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<td>Santana Santana, Merti Nurmiati, Riri Ramadani, Tasya Sabilu Aliia, Rina Rustiana, Purnamawati Sabat, Venti Venti and Dudi Gustian</td>
<td>Decision Support System For Consumer Delay Using Weighted Product Method At Perumda Air Tirta Jaya Mandiri</td>
<td>04.10pm – 04.20pm</td>
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<td>132</td>
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<td>Indra Yustiana, Nuraiman and Siti Syarah Sevia</td>
<td>Designing The Sundanese Dictionary Application As A Medium For Learning Regional Languages With The Android-Based Fuzzy Method</td>
<td>04.20pm – 04.30pm</td>
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<td>39</td>
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<td>Reka Reka, Irapunudin Irpanudin, Reni Nur Anggraeni, Panji Pratama, Alun Sujjada, Anggun Fergina and Muhammad Ikhsan Tohir</td>
<td>Implementation Of Data Mining Poverty Data Grouping In Bolang Village Using The K-Means Clustering Method</td>
<td>04.30pm – 04.40pm</td>
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<td>Ivana Lucia Kharisma, Sri Rahmawati, Zulia Nur Permatahari, Alvira Fauziah Rahmah, Rizal Fadli,</td>
<td>Implementation Of K-Means Clustering And Agglomerative Hierarchical Clustering Methods</td>
<td>04.40pm – 04.50pm</td>
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<td>169</td>
<td>Anggun Fergina, Gina Purnama Insany, Rian Raihan M, Muhammad Ardhi Septian and M Azka Misti Dzulqarnain</td>
<td>To Determine The Nutritional Status Of Toddler</td>
<td>04.50pm – 05.00pm</td>
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<td>334</td>
<td>Destri Komalasari, Nopita Amelia, Novita Damayanti and Habi Batrohmah</td>
<td>Improving Customer Relationship Management (Crm) Using Chatbot: Study Cv Adzkiya</td>
<td>05.00pm – 05.10pm</td>
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<td>316</td>
<td>Sudin Saepudin, Yansen Makleat, Fauzia Ramadhan and Abdul Cholis</td>
<td>Facebook Sentiment Analysis For The 2024 Presidential Candidate Election Using The Naive Bayes Method</td>
<td>05.10pm – 05.20pm</td>
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<td>297</td>
<td>Santi Rahmawati, Satyawati Yuliani, M Fedrik Arbi, Sudin Saepudin and Carti Irawan</td>
<td>Improving Website Intrusion Detection Using Similarity Search Vector And Deep Learning Model</td>
<td>05.20pm – 05.30pm</td>
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<td>Kamdan Kamdan, Dimas Arya Pamungkas, Hana Nurcahya Sumirat, Sarah Sahira, Ivana Lucia Kharisma, Setiawati Setiawati and Anggun Fergina Fergina</td>
<td>Web-Based Information System For Registration Of Conservation Area Entry Permits (Simaksi) On Hiking Trails Of Mount Halimun Salak National Park</td>
<td>05.40pm – 05.50pm</td>
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**The 9th International Conference on Computing, Engineering, and Design**

**Wednesday, 8th November 2023**

**A. Room 1: TS 1-1, TS 1-2, TS 1-3**

- **Meeting ID**: 828 9858 5060
- **Passcode**: icced2023
- **Room**: LR 9, KICT IIUM Malaysia

**Session Chair**: Dr. Mohd. Khairul Azmi Hassan (TS 1-1)  
Dr. Najhan Muhamad Ibrahim (TS 1-2)  
Dr. Hamwira Sakti Yaacob (TS 1-3)

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<th>Room 1</th>
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<tr>
<td>TS 1-1</td>
<td>072</td>
<td>Agus Ramelan, Feri Adiyanto, Irvan Iftadi, Muhammad Hamnam Al-Choiri, Muhammad Sandya Rafiyatna, Mario Alfandi Wirawan, Bagas Setiawan, Nike Sartika, and Muhammad Adli Rizqulloh</td>
<td>IoT Based Smart Charger Dock for Electric Scooters Using Solar Panel</td>
<td>10.15am – 10.35am</td>
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<td>018</td>
<td>Arief Agus Sukmanhanidi, Yulyani Arifin, Muhammad Zarlis, and Widodo Budiharto</td>
<td>Recent Trends for Text Summarization in Scientific Documents</td>
<td>10.35am – 10.55am</td>
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<td>394</td>
<td>Agus Pratondo, Nanang Ismail, Aprianti P. Sujana, and Astri Novianty</td>
<td>Identification of Sukun (Artocarpus altilis) and Kluwih (Artocarpus camansi) Leaves using Transfer Learning</td>
<td>10.55am – 11.15am</td>
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<td>176</td>
<td>Teddy Mantoro, Agung Ginanjar, Media Anugerah Ayu, and Umar Aditiawarman</td>
<td>Features Reduction With PCA Technique For Malware Detection Using Machine Learning</td>
<td>11.15am – 11.35pm</td>
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<td>317</td>
<td>Ida Ayu Widhiadari, Tiffany, Valenska Wibisono Putri, Hartiwi, and Teguh Sriwidadi</td>
<td>Social Media User Characteristics Nowadays and its Effects on AirAsia Brand Awareness and Brand Image</td>
<td>11.35pm – 11.55pm</td>
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<td>300</td>
<td>Fauzi Rizky Utama, Dian Sa'dillah Maylawati, Undang Syaripudin, Diena Rauda Ramdania, Eva Nurlatifah, Muhammad Andi Septiadi</td>
<td>Sentiment Analysis Regarding the Name of “Nusantara” in Indonesia’s New Capital City Using Convolutional Neural Network</td>
<td>11.55pm – 12.15pm</td>
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<p>| TS 1-2 | 293      | Ang Swat Lin Lindawati, Bambang Leo Handoko, and Mohamad Heykal | Model of Blockchain Adoption in Financial Audit Profession | 01.15pm – 01.35pm |
|        | 300      | Ang Swat Lindawati, Bambang Leo Handoko, and Edwin Hendra | Behavioral Intention to Use Mobile Banking using UTAUT 2 Model | 01.35pm – 01.55pm |
|        | 015      | Muhammad Rizky Aje Soelistyo, Muhammad Rifqi Naufal, Dina Fitria Murad, and Silvia Ayunda Murad | Improving User Experience Using User Experience Questionnaire Method on Online Attendance Super HANA Application | 01.55pm – 02.15pm |
|        | 210      | Sindy Faj Misa Putri, Muhammad Faisha Aqillah, Rina Mardiati, Aan Eko Setiawan | Prototype of Oxygen Level and Heart Rate Detector in Human Body Using MAX30100 Sensor | 02.15pm – 02.35pm |
|        | 306      | Anderes Gui, Idris Gautama So, Dea Novantia, Elfindah Princes, Nesti Fronika Sianipar, and Hasnah Haron | Factors that Influence E-Satisfaction and Their Impact on Online Purchase Intention of Telemedicine Applications | 02.35pm – 02.55pm |
|        | 290      | Anupam Agrawal and Krishna Sai Koppula | Autism Spectrum Disorder Detection through Facial Analysis and Deep Learning | 02.55pm – 03.15pm |</p>
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<td>Behavioral Intention to Use Audit Software using DeLone-McLean and Technology Acceptance Model</td>
<td>Bambang Leo Handoko, Triana Meinarsih, and Haryadi Sarjono</td>
<td>03.20pm – 03.40pm</td>
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<td>Using Weather Patterns to Forecast Cafe Sales</td>
<td>Jason Susanto, Hansen Andersen Sutikno, Zaafrica Sekar Safitri, Karli Eka Setiawan, and Muhammad Fikri Hasani</td>
<td>03.40pm – 04.00pm</td>
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<td>FROM WEB PROFILES USING WEB SCRAPING of Alumni Information From Web Profiles Using Web Scraping</td>
<td>Pushya Chaparala, Amar Jukuntla, V. Sasidhar Reddy, Pavani Sudha Thipparthi, and Vishnu Vinayak Veera</td>
<td>04.00pm – 04.20pm</td>
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<td>408</td>
<td>Enhancing Security Information and Event Management (SIEM) by Incorporating Machine Learning for Cyber Attack Detection</td>
<td>Media Ayu, Dimas Erlangga and Teddy Mantoro</td>
<td>04.20pm – 04.40pm</td>
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<td>262</td>
<td>Improved Block Cipher in Permutation Function based on Spiral Fibonacci</td>
<td>Kamsiah Mohamed, Mohd Nazran Mohd Pauzi, Fakariah Hani Mohd Ali, and Suriyani Ariffin</td>
<td>04.40pm – 05.00pm</td>
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### B. Room 2: TS 2-1, TS 2-2, TS 1-3

#### Details
- **Meeting ID**: 828 9858 5060
- **Passcode**: icced2023
- **Room**: LR 10, KICT IIUM Malaysia

#### Session Chair
- Dr. Atikah Balqis Basri (TS 2-1)
- Dr. Raini Hassan (TS 2-2)
- Dr. Suriani Sulaiman (TS 2-3)

#### Schedule
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<td>TS 2-1</td>
<td>017</td>
<td>Nur Ikhsan, Arief Agus Sukmandhani, Jenny Ohliati, and Yulius Denny Prabowo</td>
<td>Design and Build AAA Server using Free Radius Study Case Network Security Management at PT. XYZ</td>
<td>10.15am – 10.35am</td>
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<td>101</td>
<td>Heri Andrianto, Yohana Susanthi, Vincent Jonathan, and Nanang Ismail</td>
<td>Design of IoT-Based Electrical Energy Meter</td>
<td>10.55am – 11.15am</td>
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<td>177</td>
<td>Jelita Asian, Oktavianus Tegar N. K. Putra, Media Ayu, Teddy Mantoro</td>
<td>Machine Learning Based Sentiment Analysis with N-Gram Preprocessing for Reviews in Indonesian Language on Shopee E-Commerce</td>
<td>11.15am – 11.35am</td>
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<td>354</td>
<td>Ben Rahman, Septi Andryana, Aris Gunarayati and Teddy Mantoro</td>
<td>Development of Image-Based Road Pothole Detection Model with U-Net implementation</td>
<td>11.35am – 11.55am</td>
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<td>270</td>
<td>Setia Sri Anggraeni and Septi Andryana</td>
<td>Analysis Sentiment towards Delivery Service: Case Study of Paxel</td>
<td>11.55pm – 12.15pm</td>
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<td>TS 2-2</td>
<td>034</td>
<td>Abdul Rahman, Mirza Kemal Abdullah, Hamid Zubir Koto, and Sunardi</td>
<td>User Experience Analysis On Digital Healthcare Website Using User Experience Questionnaire And Heuristic Evaluation</td>
<td>01.15pm – 01.35pm</td>
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<td>036</td>
<td>Ario Barnas Hardi, Ekaristi Simorangkir, Immanuel Hutagaol, Sunardi, and Willy Johan Widjaja Saputra</td>
<td>User Experience Analysis on Mobile Banking Applications with System Usability Scale and Usability Testing</td>
<td>01.35pm – 01.55pm</td>
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<td>61</td>
<td>Justin Arola Rusman, Kevin Chunady, Singgih Tulus Makmud, Karli Eka Setiawan, and Muhammad Fikri Hasan</td>
<td>Crude Oil Price Forecasting: A Comparative Analysis of ARIMA, GRU, and LSTM Models</td>
<td>01.55pm – 02.15pm</td>
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<td>181</td>
<td>Inayatulloh, Prasetya Cahya S, and Tripujadi</td>
<td>IoT and Blockchain Technology Integration Models for Transparency and Protection of Sales and Purchase Luxury Products</td>
<td>02.15pm – 02.35pm</td>
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<td>336</td>
<td>Titi Indahyani, Nabilla Retnaming Dewanti and Silvia Meliana</td>
<td>Implementation of Digital Transformation in Design Education Learning To Support The Sustainability of Tourism Area</td>
<td>02.35pm – 02.55pm</td>
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<td>TS 2-3</td>
<td>405</td>
<td>Nur Rokhman, Lia Kamelia, Muhammad Syauqi Arrobani, Raka</td>
<td>Development of Visual Programming-Based IoT Trainer</td>
<td>03.20pm – 03.40pm</td>
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<td>406</td>
<td>Using Tuniot to Enhance Students’ Technology Skills in Education</td>
<td>Dhijan Ananda, Laode Muhammad Naufal F and Ahmad Saepul Milah</td>
<td>03.40pm – 04.00pm</td>
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<td>265</td>
<td>Digital Signature Chain for Security and Integrity Data Transmission</td>
<td>Boy Sipahutar and Teddy Mantoro</td>
<td>04.00pm – 04.20pm</td>
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<td>069</td>
<td>Development Health Machine of Heavy Equipment Condition Monitoring System</td>
<td>Deddy Suryo Arwoko, Yordan Baniara, Teguh Raharjo, and Emny Harna Yossy</td>
<td>04.20pm – 04.40pm</td>
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<td>337</td>
<td>Does Deflate Outperform Huffman Lossless Compression?</td>
<td>Vincent Dava Sutomo, Neo Cenon, Aloysius Kang, I Dewa Agung Kayana Abhipraya Putra Bandjar, Felix Indra Kurniadi, and Riccosan</td>
<td>04.40pm – 05.00pm</td>
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<td></td>
<td>Optimizing Age Classification Using Hyperparameter Tuning and Handling Imbalanced Dataset: An Algorithm Decision Forest training Algorithms Approach</td>
<td>Sarwo, and Yulius Denny Prabowo</td>
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### Room 3: TS 3-1, TS 3-2, TS 3-3

**Wednesday, 8th November 2023**

**C. Room 3: TS 3-1, TS 3-2, TS 3-3**

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<th>Room 3</th>
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<td>TS 3-1</td>
<td>032</td>
<td>Melani Elisabeth, Widya Intawani, Sunardi, and Siti Maryam</td>
<td>User Experience Analysis on Mobile-Based Payment Using Usability Testing and System Usability Scale Methods</td>
<td>10.15am – 10.35am</td>
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<td>401</td>
<td>Rangga Julfian Hakim, Ahmad Hafidz Fajriyan, Roprop Latiefatul Millah, Ilyas Rifai, Lia Kamelita and Yudha Fitri</td>
<td>Automatic Farm Protection Systems from Pest Rodents based on the Internet of Things (IoT)</td>
<td>10.35am – 10.55am</td>
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<td>233</td>
<td>Felix Indra Kurniaidi, Meta Amalya Dewi, Dina Fitria Murad, Sucianna Ghadati Rabiha, and Awanis Romli</td>
<td>An Investigation into Student Performance Prediction using Regularized Logistic Regression</td>
<td>10.55am – 11.15am</td>
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<td>106</td>
<td>Tiurida Lily Anita, Muslikhin Musliikhin, Arif Zulkarnain, and Tri Wiyana</td>
<td>Sociomaterial Imbrication; The Role of Chatbot on Customer Experience</td>
<td>11.15am – 11.35pm</td>
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<td>211</td>
<td>Betari Evandra Pratiwi, Risty Aysmingtyas, Zikri Fajriawan and Mohammad Fahlevi</td>
<td>Dissecting Instagram's Impact on Brand Image and Customer Behavior for Ramu Nostalgia Indonesia in an Era of Rapid Digital Marketing Evolution</td>
<td>11.35pm – 11.55pm</td>
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<td>004</td>
<td>Rafli Indra Gunawan, Agung Wahana, Dian Sa'adillah Maylawati, Cepy Slamet, Cecep Nurul Alam, Nunik Destria Arianti</td>
<td>Sentiment Analysis on the Pros and Cons of Cryptocurrencies using the Multinomial Naïve Bayes Algorithm</td>
<td>11.55pm – 12.15pm</td>
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<tr>
<td>TS 3-2</td>
<td>070</td>
<td>Rachmat, and Ditdit Nugeraha Utama</td>
<td>Service Oriented Smart Model for Flood Controlling</td>
<td>01.15pm – 01.35pm</td>
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<td>175</td>
<td>Ditdit Nugeraha Utama, Fauzan Affan Zaki, Intan Juliian Munjeri, and Nidya Utami Putri</td>
<td>Service Oriented Fuzzy Decision Model for Road Traffic Engineering</td>
<td>01.35pm – 01.55pm</td>
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<td>019</td>
<td>Arief Agus Sukmandhani, Suryadi, Jenny Ohliati, and Yulius Denny Prabowo</td>
<td>Development Based on Mobile Application for Learning Mandarin Language</td>
<td>01.55pm – 02.15pm</td>
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<td>137</td>
<td>Jupriyadi, Adi Sucipto, Syaiful Ahdan, Alvi Suhartanto, Ichtiar Lazuardi Putra, and Eki Ahmad Zaki Hamidi</td>
<td>A Ranking-Based Feature Selection For Indoor Positioning System</td>
<td>02.15pm – 02.35pm</td>
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<td>216</td>
<td>Inayatulloh, Indra Kusumadi Hartono, and Dwi Listriana Kusumastuti</td>
<td>The Blockchain Conceptual Model to Prevents Fraud and Increase Transparency In The Presidential Election In Indonesia</td>
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<td>331</td>
<td>Imran Hafeem Azidy, Mohammad Mu'izzuddin Mohammad Ali, Nurazlin Zainal Azmi, Eman Yahya Maarof, and Kiran Fatima</td>
<td>Small Town Settlement Virtual Reality (VR) Game</td>
<td>02.55pm – 03.15pm</td>
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<td>TS 3-3</td>
<td>386</td>
<td>Mohammad Syameer Imran, Muhammad Daniel, Zainab S. Attarbashi, Dini Oktarina Dwi</td>
<td>Wireless Resilience: A LoRa-Based Sensor Network and Mobile Application for Flood Victim Rescue System</td>
<td>03.20pm – 03.40pm</td>
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<td>304</td>
<td>Drone Technology for Disaster-Photojournalism in Indonesia</td>
<td>Handayani, Saman Itikhar, and Dania Al-Madani</td>
<td>03.40pm – 04.00pm</td>
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<td>319</td>
<td>Analysis Of Website Content as an Environmental Communication Media: Case Study of Bromotenggersemeru.org</td>
<td>Wili Dwiyanto and Frederik Gasa</td>
<td>04.00pm – 04.20pm</td>
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<td>042</td>
<td>Smart Sajadah: A System for Character Education of Elementary School Students Using IoT Technology</td>
<td>Roprop Latiefatul Millah, Ahmad Hafidz Fajriyan, Rangga Jullian Hakim, Lia Kamelia, Rena Denya Agustina and Mursidin</td>
<td>04.20pm – 04.40pm</td>
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<td>269</td>
<td>Cooking and Food Information Chatbot System using GPT-3</td>
<td>Safitri Safitri, Teddy Mantoro, Muhammad Agni Catur Bhakti, and Wandy Wandy (Sampoerna)</td>
<td>04.40pm – 05.00pm</td>
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The 9th International Conference on Computing, Engineering, and Design

Wednesday, 8th November 2023

D. Room 4: TS 4-1, TS 4-2, TS 4-3

Meeting ID: 828 9858 5060
Passcode: icced2023
Room: LR 12, KICT IIUM Malaysia

Session Chair: Dr. Zainab Senan Mahmod Attar Bashi (TS 4-1)
Dr. Nurul Liyana Mohama d Zulkifli (TS 4-2)
Dr. Shuhaili Talib (TS 4-3)

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<td>TS 4-1</td>
<td>227</td>
<td>Nilo Legowo, Wahyu Sarjono, Eddy Susanto, and Didit Nugeraha Utama</td>
<td>Fuzzy Risk Model for Research and Development Department in Clinical Laboratory</td>
<td>10.15am – 10.35am</td>
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<td>120</td>
<td>Donna Caroliina, Mita Purbasari, and Sidharta</td>
<td>Bibliometric Analysis of Smart Technology for Virtual Museum Research</td>
<td>10.35am – 10.55am</td>
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<td></td>
<td>033</td>
<td>Ibnu Prastowo Haryono Putro, Sri Santi, Vindo Pradana, and Sunardi</td>
<td>User Experience Analysis Of E-Procurement Applications In Energy Sector Companies Using User Experience Questionnaire And Usability Testing Methods</td>
<td>10.55am – 11.15am</td>
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<td>190</td>
<td>Yahya Ainin Najib, Rina Sry Ulina Br Tarigan, Juliana Eiren Boru Hasibuan, Riyan Leandros and Dina Fitrina Murad</td>
<td>User Experience Analysis using System Usability Scale Method on Diskominfo Website</td>
<td>11.15am – 11.35pm</td>
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<td>351</td>
<td>Cecep Hidayat, Enny Noegrahani Hindarwati, and Kevin Winata</td>
<td>The Role of Sales Promotions and Customer Experience on Customer Satisfaction and Its Impacts on Online Shopping Repurchase Intention</td>
<td>11.35pm – 12.15pm</td>
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<td>407</td>
<td>Herlawati Herlawati, Rahmadya Trias Handayanto, Kusuma Hati, Prima Dina Atika, Didik Setiyadi, Sri Rejeki, Dwi Budi Srisulistio, Eftirda Ade Putri, and Khairena Fadhila (ubharajaya.ac.id online)</td>
<td>The Impact of the COVID-19 Pandemic on Land Surface Temperature Change through Remote Sensing Data Processing</td>
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<td>TS 4-2</td>
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<td>Istia Ayu Hadiyati, Lay Sukiamnto, Lay Sukiamnto, Uci Rahmat Amitha, Lianna Wijaya, Ng Kah Choon, and Kin Meng Cheng</td>
<td>Purchase Intention of E-Commerce Platform in Indonesia: Determinants of the Motivation Hindering Factors</td>
<td>01.15pm – 01.35pm</td>
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<td>154</td>
<td>Sulsabila Nadhifah, Yudi Fernando, Ika Sari Wahyuni-TD, Ridho Bramulya Ikhson, Erick Fernando and Hartiwi Prabowo</td>
<td>New Product Launching and Hedonism: Augmented Reality as A Moderator of Impulsive Buying Behavior on Motor Show Events</td>
<td>01.35pm – 01.55pm</td>
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<td>239</td>
<td>Yohanes Dewantoro Patianom, Fernando Yudi, Ridho Bramulya Ikhson, Ika Sari Wahyuni-Td, Erick Fernando and Hartiwi Prabowo</td>
<td>Behavioral Intention to Use Quick Response Code Indonesian Standard as Digital Payment Methods: A Moderator of Ownership</td>
<td>01.55pm – 02.15pm</td>
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<td>360</td>
<td>Meta Amalya Dewi, Felix Indra Kurniadi, Dina Fitrina Murad, Sucianna Ghatari Rabia, Awanis Romli</td>
<td>Machine Learning Algorithms for Early Predicting Dropout Student Online Learning</td>
<td>02.15pm – 02.35pm</td>
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<td>228</td>
<td>Manisha Gedam and Swapnili Karmore</td>
<td>A lightweight blockchain framework for secure and efficient IoT data management</td>
<td>02.35pm – 02.55pm</td>
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<td>302</td>
<td>Alden Ardiwinata Putra, Princessa Fortunata Fusanto, Nebrisca Valonika,</td>
<td>Systematic Literature Review on IT Strategic Workspaces:</td>
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<td>Privacy Engineering for Protection of Personal Identifiable Information</td>
<td>03.20pm – 03.40pm</td>
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<td>368</td>
<td>Rayhan Putra Pratama, Safira Humaira, Dea Nur Fauzi, Eric Gunawan, and Emmy Harna Yossy</td>
<td>Analysis and Design of Android-Based Food Sharing Applications</td>
<td>03.40pm – 04.00pm</td>
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<td>371</td>
<td>Sara Antonijevic, Nicholas A. Hegedus, Nuri J. Omolara, Kishore Bingi, Om Prakash Yadav and Rosdiazli Ibrahim</td>
<td>Time Series Forecasting of Generated Power From Texas Wind Turbine</td>
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<td>327</td>
<td>Jumadi, Wildan Budiawan Zulfikar, Fajrian Fataf Abdillah, Nurul Aulia Dewi, Aldy Rialdy Atmadja, and Muhammad Insan Al Amin</td>
<td>Classroom Activities Detection Using You Only Look Once V3</td>
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<td>062</td>
<td>Diena Rauda Ramndania, Fariz Maulana Herman, Undang Syaripudin, Ichsan Taufik, Muhammad Deden Firdaus, and Ichsan Budiman (UI)</td>
<td>Multiplicative Random Number Generation Algorithm in Recognition of Hiragana Letters and Katakana Game</td>
<td>04.40pm – 05.00pm</td>
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### E. Room 5: TS 5-1, TS 5-2, TS 5-3

**Meeting Details:**
- **Meeting ID:** 828 9858 5060
- **Passcode:** icced2023
- **Room:** PG Lab 5, KICT IIUM Malaysia

**Session Chair:** Prof. Dr. Akram M. Z. M. Khedher (TS 5-1)
Dr. Nor Zariyah Yahya (TS 5-2)
Dr. Noorazura Zakaria (TS 5-3)

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<td>136</td>
<td>Haikal Andrean, Moh. Humam Mukti, Farah Hana Zhafirah, and Budiyono</td>
<td>Digimaps in Dashboard for Periodic Inspection Checklist for Transmission Network, Distribution Substation, and PLTU Equipment</td>
<td>10.15am – 10.35am</td>
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<td>259</td>
<td>Fatimatz Zahro, Malik Fikri, Muhammad Dumaairy Priyanto, GG Faniru Pakuning Desak, and Meta Amalya Dewi</td>
<td>Strategic Planning For Information Systems Optimization Of Vocational Higher Education Facilities And Infrastructures At The Ministry Of Education, Culture, Research And Technology (E-Sarpras)</td>
<td>10.35am – 10.55am</td>
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<td>188</td>
<td>Sumiatie Susanto, and Didtit Nugeraha Utama</td>
<td>Object Oriented Fuzzy Decision Model for Insurance Claim</td>
<td>10.55am – 11.15am</td>
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<td>303</td>
<td>Jeremy Shawn, Jonathan Gunawan, Chen Zi Hao, Maria Susan Anggreany and Afdhal Kurniawan</td>
<td>Analyzing Company's Share Purchase Value Based on Financial Reports Using Artificial Neural Network (ANN)</td>
<td>11.15am – 11.35pm</td>
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<td>229</td>
<td>Usha Kosarkar and Gopal Sakarkar</td>
<td>A Hybrid Deep Learning Model for robust deep fake detection</td>
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<td>184</td>
<td>Erika Selma Kolly, Mahaning Indrawaty Wijaya, and Tommy Andrian</td>
<td>Applying E-Payment for Improving MSME’s Revenue in Jabodetabek: An Extended TAM Analysis</td>
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<td>Analysis and Design of User Experience (UX) for Human Resource Information System (HRIS) Time Management System (TMS) Module at PT Astra Daihatsu Motor</td>
<td>01.15pm – 01.35pm</td>
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<td>147</td>
<td>Laily Amalia Sari, Nadhia Nuri Tariana, Sri Hidarti Hadijah, and Meta Amalya Dewi</td>
<td>Evaluation of User Experience on Taspen Otentikasi Application Using User Experience Questionnaire (Case Study of PT. TASPEN (Persero))</td>
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<td>I Kadek Perry Bagus Laksana, Michiko Amaya Yonatan, Putu Agus Parimartha, Vanessa Aprily Hongastu, Ivan Halim Parmonangan, and Diana</td>
<td>Enhancing Emotion Recognition using Contrastive Learning Representation of Paired Peripheral Physiological and EEG Signal</td>
<td>01.55pm – 02.15pm</td>
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<td>282</td>
<td>Andryan, Nathalia Chandra, Putu Devi Ariska Pramunita, Ivan Halim Parmonangan, and Diana</td>
<td>Hate Speech Detection in Indonesian Song Lyric Using BERT</td>
<td>02.15pm – 02.35pm</td>
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<td>231</td>
<td>Ahmad Anwar Zainuddin, Rizal Mohd Noor, Amir Aatieff Amir Hussin and Muhammad Nurzikry Mohd Sazali</td>
<td>MQTT-Enabled Smart Door Access System: Design and Implementation Using</td>
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<td>059</td>
<td>Jonathan Ivan, Julius Ferdinand, Brandon Steven, Karli Eka Setiawan, and Muhammad Fikri Hasani</td>
<td>Advancing Predicting Heart Disease: A Comparative Study of SVM, Naive Bayes, KNN, Linear Regression, and LSTM Models</td>
<td>02.55pm – 03.15pm</td>
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<td>Zainab S. Attarbashi, Tharshaan A/L Thamodharan, Mustafa Ali Abuzaraida, Saman Iftikhar, Noof Abdulaziz Alansari, Atikah Balqis Binti Basri, and Dini Oktarina Dwi Handayani</td>
<td>Using IoT-Based Mobile Application to Build Smart Parking System</td>
<td>03.20pm – 03.40pm</td>
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<td>366</td>
<td>Mohamad Asyraf Noorza bin Mohd Tamron, Zainab S. Attarbashi, Mustafa Ali Abuzaraida, Nesrine Atitallah, Saman Iftikhar, Dini Oktarina Dwi Handayani, and Atikah Balqis Binti Basri</td>
<td>IoT-based Heartbeats Monitoring System</td>
<td>03.40pm – 04.00pm</td>
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<td>098</td>
<td>Anderes Gui, Jason Vida, Radianya Andhikaputra, Samuel Marc Anthony Tumbel, Yuvaraj Ganesan, and Ridho Bramulya Ikhshan</td>
<td>Factors Influencing Customer’s Intention to Continue Using Mobile Banking</td>
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<td>338</td>
<td>Syaiful Anam, Fidia Deny Tisna Amijaya, Satrio Hadi Wijoyo, Dian Eka Ratnawati, Cynthia Ayu Dwi Lestari, Muhaimin Ilyas</td>
<td>Development of Diabetes Mellitus Diagnosis Method Based Random Forest Classifier with Particle Swarm Optimization</td>
<td>04.20pm – 04.40pm</td>
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### F. Room 6: TS 6-1, TS 6-2, TS 6-3


**Meeting ID**: 828 9858 5060

**Passcode**: icced2023

**Room**: MPH, KICT IIUM Malaysia

**Session Chair**: Dr. Abdul Rafiez Abdul Raziff (TS 6-1)
Assoc. Prof. Dr. Lili Marziana Abdullah (TS 6-2)
Dr. Nor Zariyah Yahya (TS 6-3)

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<td>TS 6-1</td>
<td>151</td>
<td>Safiari Falianda, Ika Sari Wahyun蒂, TD, Yudi Fernando, Erick Fernando, Ridho Bramulya Ikhsan, and Hartiwi Prabowo</td>
<td>Information Quality and Electronic Service Quality in Driving Customer Satisfaction and Experience at Online Legal Woods</td>
<td>10.15am – 10.35am</td>
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<td>153</td>
<td>Irma Dita Andani, Ika Sari Wahyun蒂, TD, Yudi Fernando, Erick Fernando, Ridho Bramulya Ikhsan, and Hartiwi Prabowo</td>
<td>Moderator Model of Entertainment-Augmented Reality to Predict Visitor Intention: Findings from Indonesian Motor Show Events</td>
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<td>Lutfi Aditya Wibowo, Nur Yunaidah Pratiwi, Martin Suhartana, and Emny Harna Yossy</td>
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<td>Lianna Wijaya, Rudolf Gruenbichler, Sylvia Samuel, and Triurida Lily Anita</td>
<td>Determinant Factors of Continuance Intention to Use MOOCs: An Empirical Evidence from Indonesia</td>
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<td>246</td>
<td>Sumaiya Tabassum and Mahamudul Hasan</td>
<td>An Efficient Book Recommendation System by Combining Popularity</td>
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<td>Agus Pratondo, Nanang Ismail and Astri Novianty</td>
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<td>Ikrar Adinata Arin, Dina Fitria Murad, Harco Leslie Hendric Spits Warnars, and Meylana</td>
<td>Examining the impact of attitude, availability, price, and quality of service on broadband Internet customer satisfaction</td>
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<td>David Alfonso Sihotang, Rika Yuliani, Nabilah Ridhani Zikra, Riani Leandro, Silvia Ayanda and Siti Maryam</td>
<td>User Experience Analysis on Dinotis Application Web PT Davel Surya Cipta Jakarta</td>
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<td>Gusti Pangestu, Baskoro Aziz, Febby Candra Pratama, Agung Purnomo, and Chasandra Puspinjati</td>
<td>The Transfer Learning Influence on YOLO v8 Performance For Motorbike Detection</td>
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<td>Frederick Nathan Irmawan, Nicholas Hans Muliar, Edbert Valencia Angky, Karli Eka Setiawan, and Muhammad Fikri Hasani</td>
<td>Comparison of Machine Learning Algorithms for Diabetes Classification</td>
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<td>Utilizing Different Edge Detection and Preprocessing Techniques to Improve the Accuracy of Durian Cultivar Detection using Convolutional Neural Networks</td>
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<td>058</td>
<td>Dian Sa’adillah Maylawati, Ichsan Taufik, Irgiawan Fhutuh, Wildan Budiawan Zulfikar, Cecep Nurul, and Muhammad Ali Ramdhani</td>
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Presentation Guideline

Presentation of papers accepted in ICCED 2023 is done by hybrid presentation. Presentation are arranged through technical sessions. There are 5 technical sessions with 2 parallel tracks in Day 1 and 3 parallel tracks in Day 2. The session chairs and time keepers are assigned for each technical session-track.

The amount of the time allocated for each hybrid presentation in the technical session is 20 minutes including the questions and answers (Q & A) session. It is recommended to make the first 15 minutes for presentation by the author and 5 minutes for Q & A.

Presentation is done in english and it is highly recommended to be done using powerpoint slides on an LCD projector. The technical session room will be equipped with the following items:

- A laptop computer running Windows operating system with office application and acrobat reader
- An LCD projector with VGA cable connector

We highly recommend that presenters can filling their presentation by Power Point (PPT) or Video depends on type of presentation is online or offline by the link google form that we are already sent to author(s). Presentation using your own laptop is not allowed due to the limited time available.
The 10th International Conference on Computing, Engineering and Design (ICCED 2024)

10 - 11 July, 2024

http://icced.nusaputra.ac.id email: icced@nusaputra.ac.id

**IMPORTANT DATES**

- 31 January 2024 : Full Papers Submission
- 01 March 2024 : Decision Notification
- 25 May 2024 : Early Registration
- 31 May 2024 : Camera Ready
- 10 June 2024 : Final Registration and Payment
- 10-11 July 2024 : Conference Day

ICCED 2024 in an International Conference that will provide an excellent arena for sharing knowledge and result in Computing, Engineering and Design area. The aim is to provide a platform for the researchers and practitioners from both academia as well as industry to meet and share the cutting-edge development in the field.