



2024
ICDXA

**3rd INTERNATIONAL CONFERENCE ON
DIGITAL TRANSFORMATION AND
APPLICATIONS 2024**

PROGRAM BOOK



CONTENTS

- 1. INTRODUCTION**
- 2. ORGANISERS AND SPONSORS**
- 3. ORGANISING COMMITTEE**
- 4. REVIEWER LIST**
- 5. CONFERENCE INFORMATION**
- 6. PROGRAM AT A GLANCE**
- 7. FINAL YEAR PROJECT LIST**
- 8. SPEAKER LIST**

INTRODUCTION

International Conference on Digital Transformation and Applications (ICDXA 2024) aims to bring together global academicians, leaders and experts spearheading digital transformation knowledge and initiatives to enhance knowledge creation and provides insights to business organisations and enterprises. It allows participants to navigate digital innovations with a conference geared towards content enabling them to take away ideas on implementing digital transformation.

The objectives of ICDXA 2024 are to:

- Allow industrial experts to discuss the key enablers of digital transformation, such as 5G technology, infrastructure for omni-channel business, and digital innovations that enhance digital customer experience to our students.
- Provide a platform to bring together global academicians, leaders and experts spearheading digital transformation knowledge and initiatives to enhance insights to business organisations and enterprises.
- Promote peer-interaction among TAR UMT students and improve their communication skills.
- Provide inspiration and drive the prospective final year project students to be more entrepreneurial or research-minded, hence enrich the learning experience of students by engaging them in research and creative pursuits.

ICXDA 2024 aims to attract researchers who are actively engaged both in theoretical and practical aspects of computing applications. Authors are invited to contribute by submitting articles to the conference. The topics of interests for submission include, but are not limited to the following:

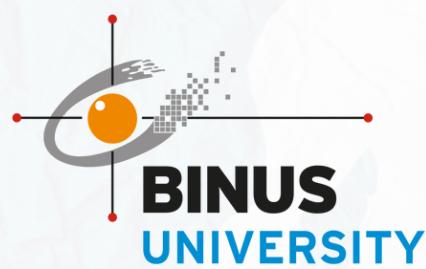
1. Industry 4.0 and Digital Transformation (industry 4.0 pillars, additive manufacturing, system integration, autonomous robots, infrastructure, internet of things, advanced materials, etc)
2. Computing and Internet Technology (artificial intelligence, computational intelligence, image processing, augmented reality, cybersecurity, cloud computing, data management, etc)
3. Computational Mathematics and Data Science (data science, big data analytics, machine learning and data mining, computer simulation, computational mathematics, computational statistics, computational optimisation, etc)
4. Digital Innovation and Business Applications (business process automation, digital marketing, customer experience, digital leadership and change management, e-science/smart agriculture, e-learning, e-life, etc)

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CONFERENCE INFORMATION

Conference Venue

Tun Tan Siew Sin (TTSS) Building,
Tunku Abdul Rahman University of
Management and Technology (TAR UMT),
Jalan Genting Kelang, Setapak, 53300, Kuala
Lumpur, Malaysia

Registration

First Floor, Tun Tan Siew Sin Building

Badge

Kindly ensure that you wear your name badge prominently throughout the conference. Upon registration, all attendees will receive their badges, and access to the conference venue will only be granted to those with a valid name badge.

Conference Guidelines

- Smoking is strictly prohibited within the conference rooms and the entire building.
- Please switch your mobile phone off or set it to vibrate mode during all sessions.
- Please refrain from eating or drinking in the auditorium.

Language

The conference's official language is English, and it will be used for all presentations and materials.

Lunch/Tea

Lunch and tea will be provided on the first floor outside the auditorium.

Social Networking

Networking Dinner

Date/Time: 17:30 – 20:30 | 29 January 2024

Venue: Club House Functional Room, TAR UMT

Instructions for Oral Presenters

Uploading Presentation Files

- All presenters must utilise the laptops provided by the organisers for their presentations.
- Please save your presentation file onto a USB drive and upload it to the conference laptop located in meeting room 15 minutes prior to the start of your session. Our staff will be available to assist you with this process.
- As a precaution, we strongly advise you to bring two copies of your presentation file as a backup.

Presentation Timing

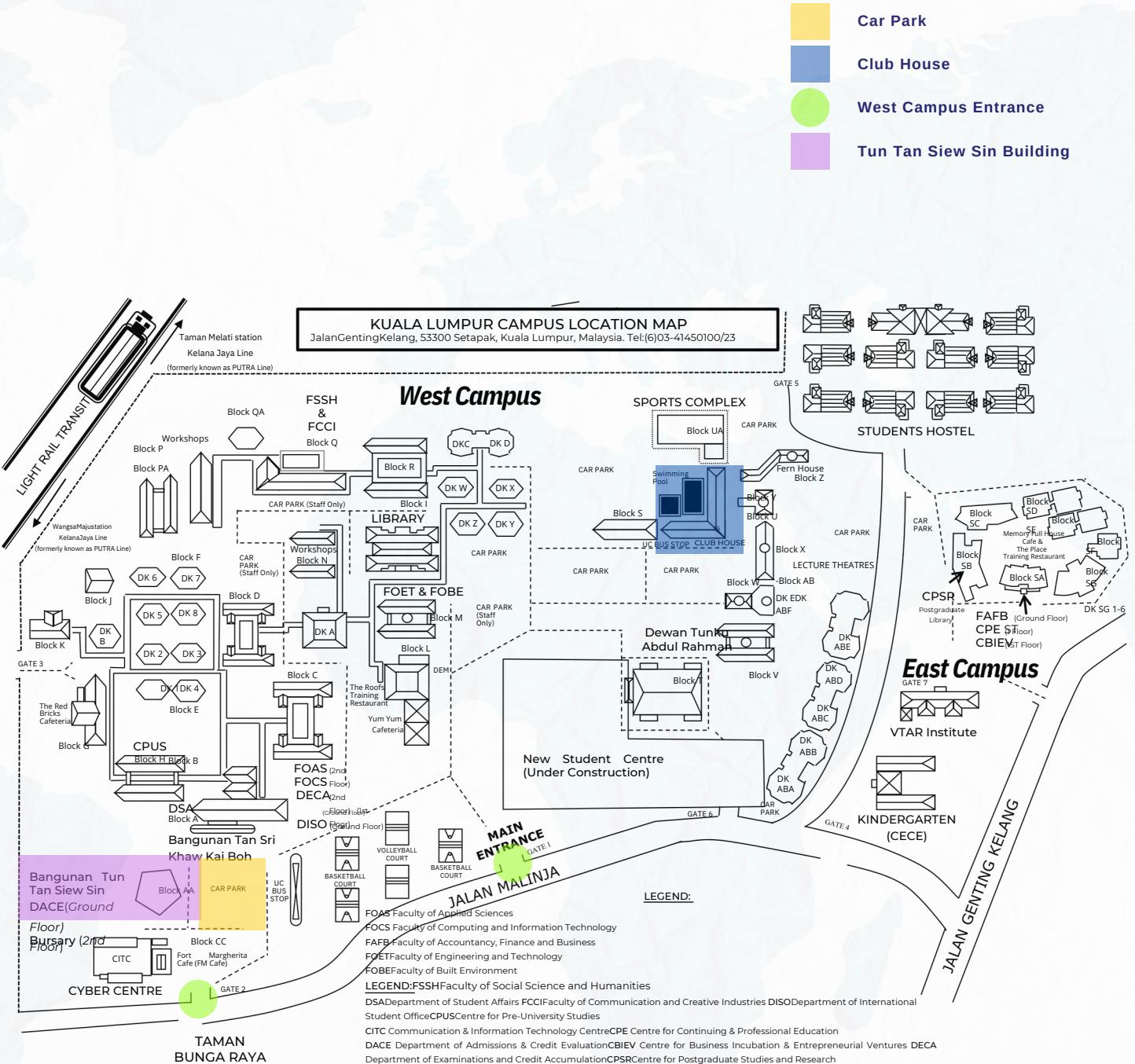
- For Oral Presentations, each session allows for a 15-minute presentation including Q&A session.

Meeting Link

- All meeting links are readily available within the "Program at a Glance" section of the conference booklet.

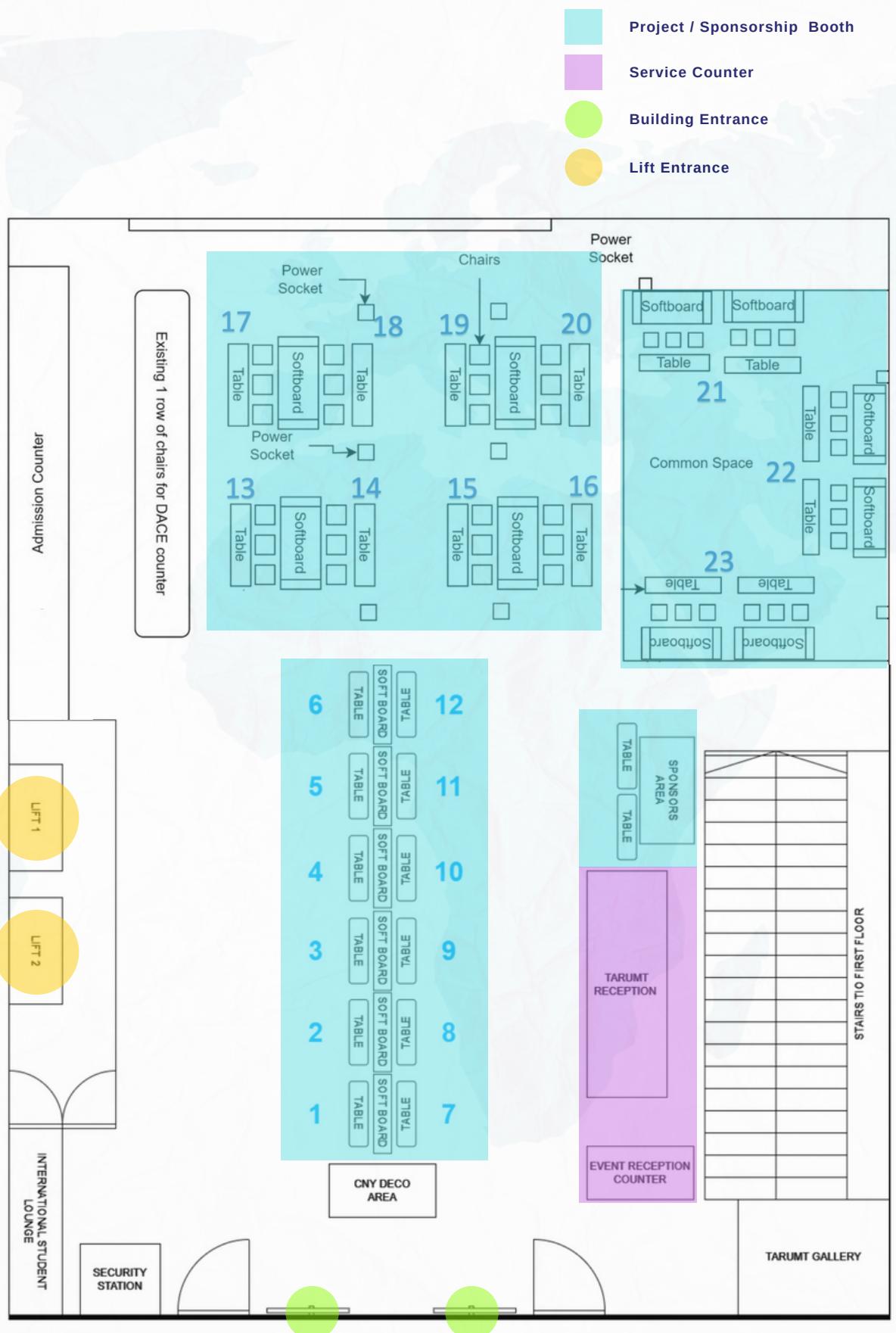


Campus Map (TAR UMT)



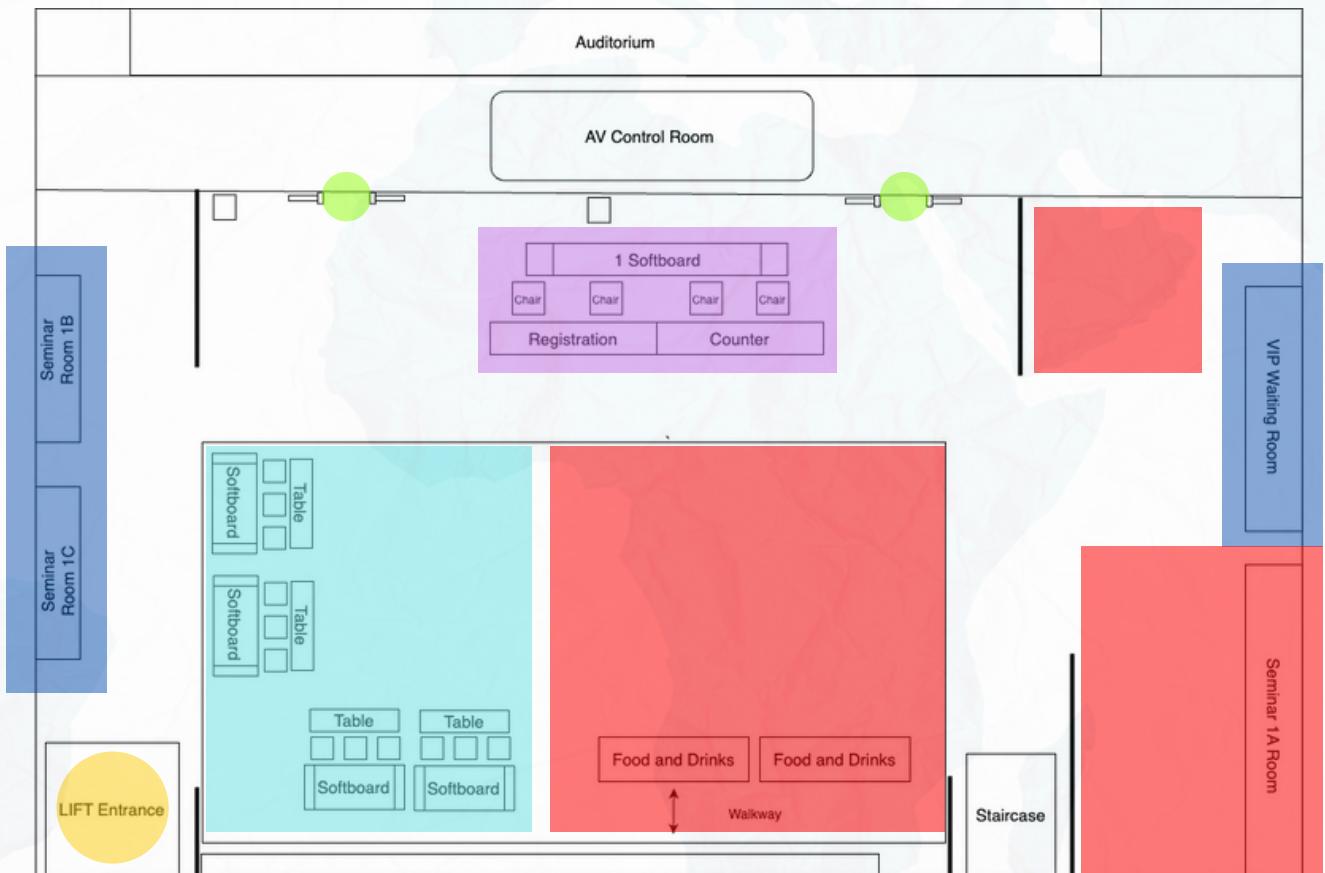
Floor Plan (Ground Floor of Tun Tan Siew Sin Building)

*Final Year Project Showcase



Floor Plan (First Floor of Tun Tan Siew Sin Building)

- █ Meeting Room
- █ Registration Counter
- █ Networking Area
- █ Project / Sponsorship Booth
- █ Auditorium Entrance
- █ Lift Entrance



PROGRAM AT A GLANCE

MONDAY, 29 JANUARY 2024

TIME	ACTIVITY
08:15 – 09:00	REGISTRATION
09:00 – 09:30	OPENING CEREMONY (HYBRID MODE)*
09:30 – 10:20	KEYNOTE SPEAKER 1: MR KAMARUL A MUHAMED* TOPIC: BUILDING RESILIENCE THROUGH DIGITAL TRANSFORMATION
10:20 – 11:10	KEYNOTE SPEAKER 2: PROF. NOBORU KOSHIZUKA* TOPIC: DATA-EX: CROSS-DOMAIN DATA SHARING PLATFORM IN FEDERATED ARCHITECTURE
11:10 – 12:00	KEYNOTE SPEAKER 3: PROF. SHANDRE M. THANGAVELU* TOPIC: STRUCTURAL AND DIGITAL TRANSFORMATION ON REGIONAL INTEGRATION IN ASEAN AND EAST ASIA
12:00 – 13:15	LUNCH BREAK
13:15 – 15:15	INDUSTRY CONFERENCE
13:15 – 13:45	INTERNATIONAL DATA SPACES ASSOCIATION (IDSA)*
13:45 – 14:15	SYNIC CONSULTING SDN BHD*
14:15 – 14:45	ASPERT INNOVATIONS SDN BHD*
14:45 – 15:00	SHORT BREAK
15:00 – 17:00	ACADEMIC CONFERENCE PARALLEL SESSION ROOM 1B: HTTPS://MEET.GOOGLE.COM/WJN-IYPM-UEV ROOM 1C: HTTPS://MEET.GOOGLE.COM/AXZ-UHRY-EDH
17:00 – 20:30	NETWORKING RECEPTION DINNER

*09:00 – 15:00 – AUDITORIUM: [HTTPS://MEET.GOOGLE.COM/ZAA-COZP-NCC](https://meet.google.com/zaa-cozp-ncc)

TUESDAY, 30 JANUARY 2024

TIME	ACTIVITY
09:00 - 09:40	ACADEMIC SPEAKER 1: ASST. PROF. TS. DR. GHASSAN SALEH HUSSEIN AL-DHARHANI*
09:40 - 10:20	ACADEMIC SPEAKER 2: ASST. PROF. DR. SATIDCHOKE PHOSAARD*
10:20 - 11:00	ACADEMIC SPEAKER 3: DR. DANY EKA SAPUTRA*
11:00 - 11:15	SHORT BREAK
11:15 - 13:15	ACADEMIC CONFERENCE PARALLEL SESSION ROOM 1B: HTTPS://MEET.GOOGLE.COM/VMK-OHGH-SRB ROOM 1C: HTTPS://MEET.GOOGLE.COM/UCM-IEMW-WIU
13:15 - 14:30	LUNCH BREAK
14:30 - 16:15	ACADEMIC CONFERENCE PARALLEL SESSION ROOM 1B: HTTPS://MEET.GOOGLE.COM/PNR-HFJE-BJK ROOM 1C: HTTPS://MEET.GOOGLE.COM/JAS-JUAS-HHV
16:15 - 16:35	SHORT BREAK
16:35 - 17:00	CLOSING CEREMONY* AWARDS GIVING CLOSING CEREMONY PHOTO SESSION

*09:00 - 11:00 - AUDITORIUM: [HTTPS://MEET.GOOGLE.COM/ZAA-COZP-NCC](https://meet.google.com/zaa-cozp-ncc)

*16:35 - 17:00 - AUDITORIUM: [HTTPS://MEET.GOOGLE.COM/ZAA-COZP-NCC](https://meet.google.com/zaa-cozp-ncc)

MONDAY, 29 January 2024

ROOM 1B

VENUE:	SEMINAR ROOM 1B
MEET LINK:	HTTPS://MEET.GOOGLE.COM/WJN-IYPM-UEV
SESSION:	15:00 – 17:00 (UTC +8)
SESSION CHAIR:	ASST. PROF. SACARIA GULAM

TRACK 2: COMPUTING AND INTERNET TECHNOLOGY TRACK

TIME	AUTHORS	PAPER TITLE
15:00 – 15:15	Bee Sian Tan, Tik Joe Chong and Ying Ying Chew	Usability Study of Augmented Reality Training Application for Can Manufacturing Company
15:15 – 15:30	Wei Chung Yap, Kelvin Jie Sing Kai and Ching Pang Goh	Restaurant Recommendations with Implicit User Behavior via Image Classification and Sentiment Analysis from Social Media
15:30 – 15:45	Soni Yora and Abdul Haris Rangkuti	Laser Pointer-Ray Projection and Collision Detection for 3-Dimensional Shooting Simulator
15:45 – 16:00	Sacaria B. Gulam and Reymark D. Delena	The Development of a Web-based Meranaw Language Lexicon using a Rule-Based Morphological Analyzer for Meranaw Verbs: Dindiyorobasa App
16:00 – 16:15	Kwai Mui Choon and Tong Ming Lim	A Critical Review on Quality of Experience for Videos and User Engagement on Social Media Platforms

MONDAY, 29 January 2024

ROOM 1B

TRACK 2: COMPUTING AND INTERNET TECHNOLOGY TRACK

TIME	AUTHORS	PAPER TITLE
16:15 – 16:30	Johaira R. Isra	Evaluating Translation Quality and Usability of Maana: A Meranaw-English Bidirectional Speech Translation App
16:30 – 16:45	Ming Zheng Ong, Kathleen Swee Neo Tan and Chi Wee Tan	Enhancing Natural Language Processing with LDA-BERT Integration: A Comprehensive Review of Methodologies, Applications, and Future Directions

TRACK 4: DIGITAL INNOVATION AND BUSINESS APPLICATIONS TRACK

TIME	AUTHORS	PAPER TITLE
16:45 – 17:00	Agestia Deanara Tori, Lie Melinda Putri Wardana, Rifdah Fajri Rosyadah, Kadek Tania Taragita Yundra, Chrysant Makmur, Husni Iskandar Pohan and Johan Muliadi Kerta	UTAUT Modification Model for the Analysis of User Experience of Telemedicine Application Users in Indonesia

MONDAY, 29 January 2024

ROOM 1C

VENUE:	SEMINAR ROOM 1C
MEET LINK:	HTTPS://MEET.GOOGLE.COM/AXZ-UQRY-EDH
SESSION:	15:00 – 17:00 (UTC +8)
SESSION CHAIR:	ASSOC. PROF. DR LIM KHAI YIN

TRACK 3: COMPUTATIONAL MATHEMATICS AND DATA SCIENCE TRACK

TIME	AUTHORS	PAPER TITLE
15:00 – 15:15	Sentheni Manimaran and Khai Yin Lim	Customer Propensity Model: Marketing Campaign
15:15 – 15:30	Fang En Leong, Yean Ling Chan, Chi Wee Tan and Tong Ming Lim	Unveiling Bahasa Rojak's Linguistic Complexity: Out-of-Vocabulary Detection and Tokenization Strategies for Language Fusion
15:30 – 15:45	Ern Yi Goh, Tong Ming Lim, Chi Wee Tan and Yuen Kei Khor	Unsupervised Multiword Expression Extraction on Chinese-English Code-Mixed Malaysian Expressions on E-commerce Platform
15:45 – 16:00	Xin Yi Tan and Chi Wee Tan	From Complexity to Clarity: Tatabahasa-Centric Lemmatization in Malay Texts
16:00 – 16:15	Yi Zhen Regina Beh and Khai Yin Lim	Enhancing Phishing Website Detection: A Comparative Analysis

MONDAY, 29 January 2024

ROOM 1C

TRACK 3: COMPUTATIONAL MATHEMATICS AND DATA SCIENCE TRACK

TIME	AUTHORS	PAPER TITLE
16:15 – 16:30	Pradeep Singh Chahar and Jagdeep Singh	Effect of Low versus High-Intensity Exercise on Renal Biomarkers in Athletes: A Comparative Study
16:30 – 16:45	Pei Yee Lee, Siew Mooi Lim, Kian Hun Chai and Jun Keat Tan	Leveraging Mean Shift and Spectral Clustering: A Study on Crime Patterns in Los Angeles
16:45 – 17:00	Dani Suandi, Dany Eka Saputra and Petra Michael	Investigation on Correlation of Water Quality Data with Aerial Images

TUESDAY, 30 January 2024

ROOM 1B

VENUE:	SEMINAR ROOM 1B
MEET LINK:	HTTPS://MEET.GOOGLE.COM/VMK-OHGH-SRB
SESSION:	11:15 – 13:15 (UTC +8)
SESSION CHAIR:	ASSOC. PROF. TS. DR. TEW YIQI

TRACK 2: COMPUTING AND INTERNET TECHNOLOGY TRACK

TIME	AUTHORS	PAPER TITLE
11:15 – 11:30	Noormadinah Allias, Akibu Mahmoud Abdullahi, Shahrainaz Ismail and Diyana Ab Kadir	Behind the Scenes: An Explainable Artificial Intelligence (XAI) on the Service Classification of the 5G/B5G Network
11:30 – 11:45	Jia He Tan and Ching Pang Goh	Enhancing Child Safety: Computer Vision-Based Accident Detection for Infants and Toddlers
11:45 – 12:00	Muhammad Mubin M. Macadadaya and Janice F. Wade	A Knowledge-Based System of Ethno-medicinal Plants in Lanao del Sur for Treating Diseases
12:00 – 12:15	Amos Hua An Teo and Ching Pang Goh	Oral Disease Image Detection System using Transfer Learning
12:15 – 12:30	Jing En Leong and Ching Pang Goh	Identification of Skin Conditions with Convolutional Neural Networks: A Deep Learning Approach

TUESDAY, 30 January 2024

ROOM 1B

TRACK 2: COMPUTING AND INTERNET TECHNOLOGY TRACK

TIME	AUTHORS	PAPER TITLE
12:30 - 12:45	Zi Yu Diong, Wen Yuan Lim and Ching Pang Goh	Self-Supervised Learning in Medical Diagnostics: An Examination of SimCLR and BYOL in Image Classification
12:45 - 13:00	So Xue Thong, Eng Lip Tan and Ching Pang Goh	Sign Language to Text Translation with Computer Vision: Bridging the Communication Gap
13:00 - 13:15	Yiqi Tew, Wee Yan Lee and Ga Men Tam	Parallel Computing using CUDA and MultiThreading in Background Removal Process

TUESDAY, 30 January 2024

ROOM 1C

VENUE:	SEMINAR ROOM 1C
MEET LINK:	HTTPS://MEET.GOOGLE.COM/UCM-IEMW-WIU
SESSION:	11:15 – 13:15 (UTC +8)
SESSION CHAIR:	MR. KONG YIH HERN

TRACK 3: COMPUTATIONAL MATHEMATICS AND DATA SCIENCE TRACK

TIME	AUTHORS	PAPER TITLE
11:15 – 11:30	Justin Zhi Hern Yong, Jun Xian Liew, Jian Yong Koh and Chi Wee Tan	Linguistic Harmony in Diversity: Lemmatizing Rojak Malay for Global Communication
11:30 – 11:45	Pei Ying Lim, Wan Yoke Chin and Yih Hern Kong	Exploring the Effectiveness of Ensemble Learning for Business-to-Business (B2B) Demand Forecasting: An Empirical Analysis
11:45 – 12:00	Yean Ling Chan, Fang En Leong, Tong Ming Lim and Chi Wee Tan	Exploring Part-of-Speech Tagging Models in Malaysia's Multilingual Environment
12:00 – 12:15	Muhammad Fikri Hasani, Kartika Purwandari, Muhammad Amien Ibrahim, Samsul Arifin, Wanda Safira and Benedictus Prabaswara	Utterance Intent Recognition for Online Retail
12:15 – 12:30	Jian Yong Koh and Chi Wee Tan	The Science of Video: A Review of Human Activity Recognition Techniques

TUESDAY, 30 January 2024

ROOM 1C

TRACK 3: COMPUTATIONAL MATHEMATICS AND DATA SCIENCE TRACK

TIME	AUTHORS	PAPER TITLE
12:30 - 12:45	Ming Zheng Ong, Siew Mooi Lim, Jia Hui Ee and Natalie Jie Yin Tan	Unsupervised Analysis of Scientific Paper Abstracts: Exploring Clustering Algorithms

TRACK 4: DIGITAL INNOVATION AND BUSINESS APPLICATIONS TRACK

TIME	AUTHORS	PAPER TITLE
12:45 - 13:00	Shi Hao and Yu Guopei	Multiple Intervention effects and ARIMAX forecasting: an application of a World Bank project in China
13:00 - 13:15	Nicholas Lee and Rohana Mahmud	Enhancing Music Emotion Classification with Lyrics and Audio Features

TUESDAY, 30 January 2024

ROOM 1B

VENUE:	SEMINAR ROOM 1B
MEET LINK:	HTTPS://MEET.GOOGLE.COM/PNR-HFJE-BJK
SESSION:	14:30 – 16:15 (UTC +8)
SESSION CHAIR:	DR. DANY EKA SAPUTRA

TRACK 4: DIGITAL INNOVATION AND BUSINESS APPLICATIONS TRACK

TIME	AUTHORS	PAPER TITLE
14:30 – 14:45	Darren Yan Zhi Chan, Bee Sian Tan	Pentap: A Novel Rhythm Game with Innovative Pen-based Input and Audio Recognition
14:45 – 15:00	Azimah D. Ampuan and Reymark D. Deleña	A Quantitative Evaluation of Online Appointment System at Mindanao State University – Main Campus: Employing the System Usability Scale (SUS) and Technology Acceptance Model (TAM)
15:00 – 15:15	Maria Auleria, Dany Eka Saputra and Yoga Yustiawan	Data Driven Analysis of Fraudulent Transaction Characteristics in Branchless Banking
15:15 – 15:30	Albert Christian, Daniel, Hanson Budhi Santoso and Dwi Listriana Kusumastuti	Factors Influencing the Adoption and Usage of E-Wallets
15:30 – 15:45	Ivan Diryana Sudirman, Iman Sudirman and Iston Dwija Utama	Building Trust in E-Commerce by Examining the Relationships Between User Experience and Delivery Satisfaction

TUESDAY, 30 January 2024

ROOM 1B

TRACK 4: DIGITAL INNOVATION AND BUSINESS APPLICATIONS TRACK

TIME	AUTHORS	PAPER TITLE
15:45 – 16:00	Ivan Diryana Sudirman and Dimas Yudistira Nugraha	Exploring Varied Experiences of Foreign and Domestic Tourists at Borobudur through LDA Topic Analysis
16:00 – 16:15	Ivan Diryana Sudirman and Dimas Yudistira Nugraha	SentiWordNet and LDA Analysis of Foreign Tourist Reviews

TUESDAY, 30 January 2024

ROOM 1C

VENUE:	SEMINAR ROOM 1C
MEET LINK:	HTTPS://MEET.GOOGLE.COM/JAS-JUAS-HHV
SESSION:	14:30 – 16:15 (UTC +8)
SESSION CHAIR:	ASST. PROF. DR.GOH CHING PANG

TRACK 2: COMPUTING AND INTERNET TECHNOLOGY TRACK

TIME	AUTHORS	PAPER TITLE
14:30 – 14:45	Xin Er Chan and Ching Pang Goh	Computer Vision-Based Home Accident Detection and Response System for Elderly Care

TRACK 1: INDUSTRY 4.0 AND DIGITAL TRANSFORMATION TRACK

TIME	AUTHORS	PAPER TITLE
14:45 – 15:00	Thabit H. Thabit and Salman H. Abdullah	The Mediating Role of COBIT 2019 in Managing the Relationship between Qualitative Characteristics of Accounting Information and Information Asymmetry
15:00 – 15:15	Yik Heng Ng and Kai Sze Hong	Multi-lingual Speaker Verification using Malay, English, Mandarin and Tamil Languages for Door Security System
15:15 – 15:30	Nyoman Wira Prasetya, Yuli Anto, Baskoro Azis and Marcelino Hans Setia Budi	Adaptive IoT-Based Monitoring System in Edge Network for Aquaponics Ecosystem

TUESDAY, 30 January 2024

ROOM 1C

TRACK 1: INDUSTRY 4.0 AND DIGITAL TRANSFORMATION TRACK

TIME	AUTHORS	PAPER TITLE
15:30 – 15:45	Wina Permana Sari, Tiara Ika Widia Primadani, Miranti Nurul Huda and Hanustavira Guru Acarya	User Interface (UI) of Singosari Temple Interactive Virtual Reality Touring System
15:45 – 16:00	Jen Hin Hang, Thein Lai Wong, Wah Pheng Lee and Yee Mei Lim	Asset Modelling for Efficient Data Representation in Industry 4.0
16:00 – 16:15	Ibona L. Panto, Larmie Feliscuzo and Cheryl B. Pantaleon	Designing an Adaptive Learning Management System at ACLC College-Ormoc: Development and Analysis

Final Year Project List

BOOTH NO.	SUPERVISOR	PROJECT
1	Dr. Tan Bee Sian	Pentap: Rhyhm Game
2	Dr. Tan Bee Sian	Easy English: VR English Conversation Learning App
3	Dr. Tan Bee Sian	Usability Study of AR Training App For Can Manufacturing Company
4	Mr. Peh Guan Soon and Mr. Ooi Chun Pew	Optichat: Chatmate for Visually Impaired
5	Mr. Mohd Ridzuan Ahmad	Zero Expire App
6	Mr. Mohd Ridzuan Ahmad	Community and Locality Sharing App
7	Dr. Wong Thein Lai	Digital Identity Wallet Development
8	Mr. Shoong Wai Kin	Game-Based Learning Platform

BOOTH NO.	SUPERVISOR	PROJECT
9	Dr. Wong Thein Lai	Blockchain Durian Track and Trace System
10	Chaw Jun Kit	Interactive Dashboard for Customer Analysis: Segmentation, Recommender and Churn Classification
11	Ms Lim Mei Shyan	Company Secretary System: E-Signature
12	Ms Lim Mei Shyan	Company Secretary System: Scheduling
13	Dr Tan Chi Wee	Isolated Malaysia Sign Language Recognition
14	Dr. Tew Yiqi	Waste Sorting Solution Using Robotic Arm
15	Ms. Chai Foong Theng	Road to Wizard VR Game
16	Wong Yoke Seng	Bottled Up Game

BOOTH NO.	SUPERVISOR	PROJECT
19	Ts. Bavani A/P Raja Pandian	Predictive Model for Classification of Diabetic Type 1 and 2
20	Wong Yoke Seng	Intuitive Smart Home Management Using AR and AI
21 @ 22	Andrew Tan Khin Huat	Virtual Aquarium
22 @ 23	Andrew Tan Khin Huat	5G Teleoperated RC Car

SPEAKER LIST

MONDAY, 29 JANUARY 2024

09:30 – 10:20



KEYNOTE SPEAKER 1 MR KAMARUL A MUHAMED

Founder and CEO
Aerodyne Group (Aerodyne)
Malaysia

Kamarul is the Founder and Group CEO of Aerodyne Group, a Malaysian-founded drone solutions provider ranked first in the world by Drone Industry Insights of Germany. He led Aerodyne from a 3-person start-up in 2014 to a global company with a presence in 35 countries in just 6 years.

Kamarul is the "EY Entrepreneur of the Year 2020", "EY Technology Entrepreneur of the Year 2020 Malaysia", "Technode Global's Startup Leader of the Year 2021", and "SEBA Entrepreneur of the Year 2020". He also holds many distinguished positions; member of the Economic Action Council, the Digital Economy and 4IR Policy Council, the Bumiputera Prosperity Council, the Board of Directors of Bank Negara Malaysia and Forbes Councils.

He is a TEDx speaker, and a drone industry thought leader who has presented his ideas and innovations on AI, drones, and Industry 4.0 around the world. He is also an Adjunct Professor at University Putra Malaysia and Kolej Universiti Islam Antarabangsa Selangor.

Kamarul is a thinker and futurist with a deep passion for human history, astronomy, theoretical physics, and technology. A nonconformist, he often ponders how the technology of the future will advance humanity towards equality and freedom. He is a seasoned traveller who has visited over 100 countries and flown his personal drones in places such as the Russian steppes, Iceland's glaciers and lava fields, the European alps, the Himalayas, America, South Africa, Nigeria, Sudan, Japan, Australia, and more.

MONDAY, 29 JANUARY 2024

10:20 – 11:10



KEYNOTE SPEAKER 2
PROF. NOBORU KOSHIZUKA

Professor
University of Tokyo
Japan

Since 1990, he has been researching ubiquitous computing, IoT (Internet of Things), embedded systems, human-computer interactions, and computer networks. Currently, his main research interests are data spaces, IoT, smart city, smart building, blockchain, operating systems, and computer networks. He is also a chair of Data Society Alliance, and International Data Spaces Association (IDSA) Japan Hub Coordinator.

MONDAY, 29 JANUARY 2024

11:10 – 12:00



KEYNOTE SPEAKER 3

PROF. SHANDRE M. THANGAVELU

Head

Jeffrey Cheah Institute for Southeast Asia

Senior Fellow

Jeffrey Sachs Centre for Sustainable Development

Sunway University

Malaysia

Professor Shandre M. Thangavelu is currently the Head (President) of Jeffrey Cheah Institute for Southeast Asia and Senior Fellow at Jeffrey Sachs Centre for Sustainable Development at Sunway University, Malaysia. He also holds a joint appointment at the Institute of International Trade, University of Adelaide, Australia. In October 2021, Professor Shandre was appointed as Trade Advisor to Minister of Commerce, Ministry of Commerce, Kingdom of Cambodia under the Royal Decree. He was awarded (with Jeffrey Cheah Institute for Southeast Asia, Sunway University), the Award of the Royal Order of Sowathara by the Royal Government of Cambodia on 31 January 2023 for his contribution to economic development and trade of Cambodia. The Award was given by the Minister of Commerce and endorsed by the King of Cambodia and Prime Minister of the Royal Government of Cambodia.

Previously, Professor Shandre Thangavelu was appointed as the Head of Research at Ministry of Manpower under the Economist Service at the Ministry of Trade and Industry, Singapore from 2001 to 2009. Professor Shandre Thangavelu was also appointed into the Governing Board for the Work, Safety, Health Institute (WSHI) of Singapore. He is also the member of the Competition Commission Appeal Board in Singapore. Shandre Thangavelu was the Managing Editor for Asian Economic Journal (AEJ) in 2009 and currently appointed as the Editor in 2018. He was also appointed as the Fellow of Economic Research Institute for ASEAN and East Asia (ERIA) in 2017.

Professor Shandre Thangavelu is an active researcher on human capital development, technology transfer, foreign direct investment, trade, government infrastructure investment, productivity and economic growth. He has written extensively in ASEAN integration, FDI, human capital development, technology transfer and economic growth and has published his research in major international journals. He has written several books on trade, investment, integration and outsourcing in Asia. Recently, Professor Shandre has completed the book titled "Handbook of East Asian Economic Integration" 2021 (with Fukunari Kimura, Mari Pangestu, and Christopher Findlay) published by Edward Elgar. As part of policy research to support ASEAN integration, he released a monograph titled "Regional Comprehensive Economic Partnership: Implications, Challenges and Future Growth of ASEAN and East Asia", 2022 (with Fukunari Kimura and Dionisius A. Narjoko), as part of Cambodia ASEAN Chairmanship in February 2022 in Phnom Penh.

He has also worked on several international projects commissioned by UNDP, World Bank, ASEAN Secretariat, APEC, and Asian Productivity Organization (APO). Currently, he is working on human capital dynamics and FDI activities in Cambodia, Lao PDR, Vietnam and Indonesia. Professor Shandre Thangavelu obtained his graduate degrees from Queen's University, Canada.

TUESDAY, 30 JANUARY 2024

09:00 - 09:40

ACADEMIC SPEAKER 1

**ASST. PROF. TS. DR. GHASSAN
SALEH HUSSEIN AL-DHARHANI**



Head of Department for Digital Innovation, Institute of
Computer Science & Digital Innovation (ICSDI)
UCSI University
Malaysia

He is also a TTT Certified HRDF Trainer/ AI and Cyber Security Instructor, practice and theory professional with experience in lecturing & teaching: Artificial Intelligence, Data Mining & Analytics, Machine Learning, Introduction to Cyber Security, Cryptography, Programming, Data Structure and Algorithms, Database management System, Software Engineering, and solve computing problems and others.

Ability to explain, and (Demystifying Knowledge and Tutorials to students) with History of Academic Employment since 2001 with over 15 years of experience. He is a Senior Lecturer in Computer Science, member of the Research Team, IEEE, and supervisor of degree and postgraduate students.

His current research interests are Industrial Sector that is related to IR4.0, Digital Transformation, Artificial Intelligence, Cyber Security, Data Mining and Knowledge Discovery, Data Science & Analysis, Object Oriented Programming, Programming skills in Python, C++, and Java, Time Series Analysis, Machine Learning and Climate Informatics, Emerging Technology and Innovative Applications, Academic Research and Contributions for degree and postgraduate students.

TUESDAY, 30 JANUARY 2024

09:40 – 10:20



ACADEMIC SPEAKER 2

**ASST. PROF. DR. SATIDCHOKE
PHOSAARD**

Lecturer and Researcher

Digitech and School of Information Technology, Suranaree
University of Technology
Thailand

A lecturer and researcher from Digitech and School of Information Technology, Suranaree University of Technology, Thailand. He obtained his PhD in Information Technology in Business from Chulalongkorn University, Thailand. He loves to nurture students to accomplish their goals by continuous teaching and coaching improvement.

His areas of interests are real-world multi-disciplinary digital innovation, including advanced web applications, virtual reality, artificial intelligence, robotics, digital transformation, research commercialization, and health and wellness.

He also provides IT consulting services to many clients implementing ERP, digital strategies, data analytics and big data. His long-term and committed goal is to foster and apply digital technology, artificial intelligence and analytics techniques, and robotics for better living.

TUESDAY, 30 JANUARY 2024

10:20 – 11:00



ACADEMIC SPEAKER 3
DR. DANY EKA SAPUTRA

Lecturer and Researcher
Bina Nusantara University (BINUS)
Indonesia

A lecturer and researcher from Department of Computer Science at BINUS @Bandung, BINUS University, Indonesia. Finished his bachelor, master, and doctoral in Institut Teknologi Bandung (ITB), Indonesia, with major in Aeronautics and Electrical Engineering, respectively. His main research interest lies in Drone Autonomous Navigation and Drone Data Processing. He has involved in several research projects related to drones and drone operation with ITB, National Research and Innovation Organisation (BRIN), Indonesian State Intelligence Agency (BIN), and Indonesian Ministry of Transportation.

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- 16 TB MEMORY
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- 64 TB MEMORY
- UP TO 32 PCIE FHHL SLOTS (8 GEN5 CAPABLE)

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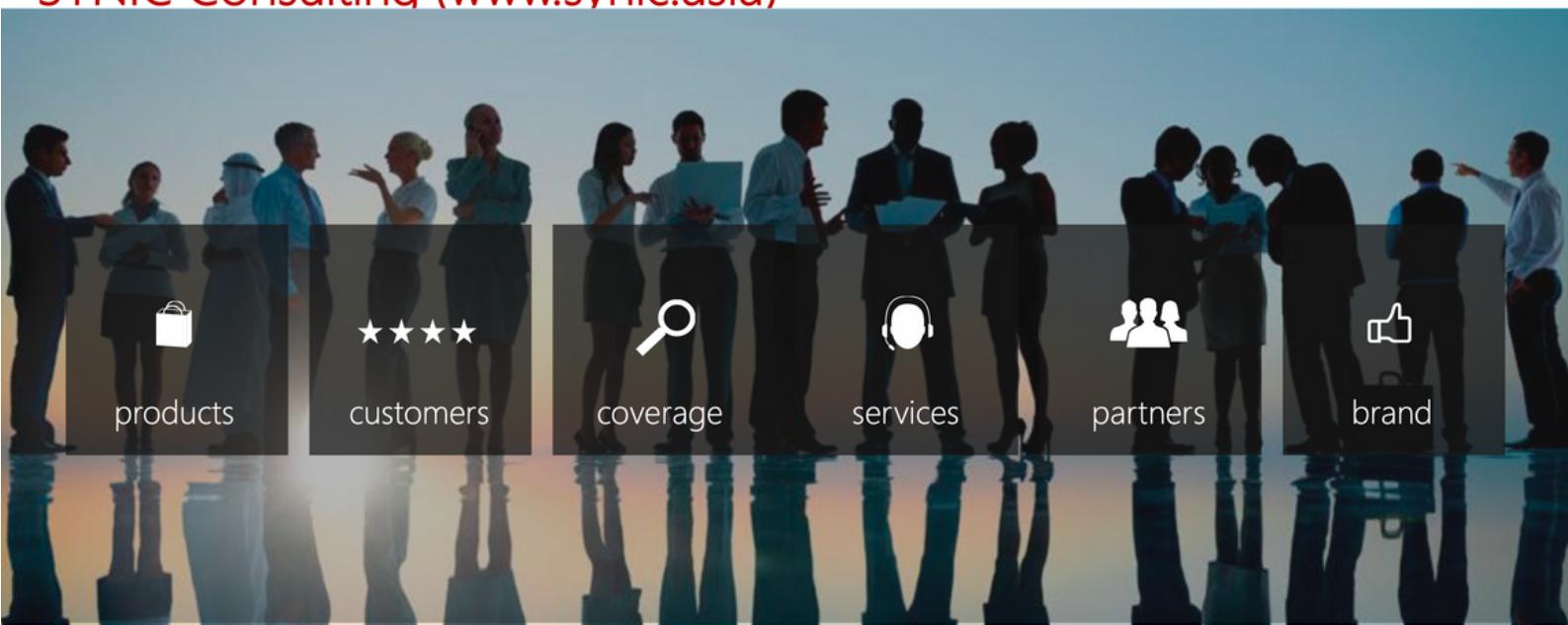
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