



The Chartered  
Institute of Logistics  
and Transport

MAY 2025

# CILTM NEWSLETTER

For Members Only

## EDITORIAL TEAM

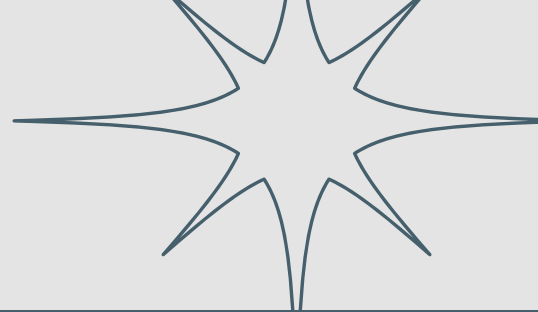
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# FROM THE EDITOR'S DESK



MESSAGE FROM CILTM  
SECTION CHAIRMAN – SABAH

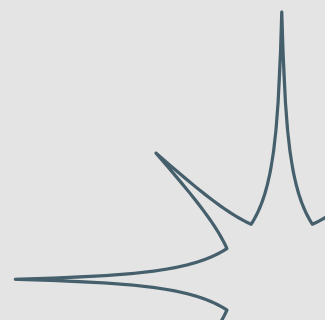
WELCOME AND  
CONNECT

CILTM SECTION  
ACTIVITIES

UP COMING EVENT

WILAT MALAYSIA

NEXTGEN MALAYSIA



# MESSAGE FROM THE CILTM SECTION CHAIRMAN – SABAH



**It is with great pride and a deep sense of honor that I pen this message as the Chairman of the Chartered Institute of Logistics and Transport Malaysia (CILTM) Sabah Section. As we chart our course for the year ahead, I wish to first convey our sincere appreciation to our current President, Prof. Ts. Dr. Muhammad Zaly Shah FCILT for his visionary leadership and steadfast commitment to advancing the Institute. Under his stewardship, we are confident that CILTM will continue to scale new heights, building stronger professional networks, fostering inclusive development, and positioning Malaysia as a forward-looking logistics and transport hub.**

**TS DANIEL DOUGHTY FCILT  
CHAIRMAN, CILTM SABAH SECTION**

I would also like to express my heartfelt thanks to all national council members for their guidance, dedication, and unwavering support. Their contributions are integral to ensuring the continued relevance, growth, and impact of CILT at both national and regional levels.

Additionally, I wish to pay tribute to all past Chairman, Chairlady and Committee of the CILTM Sabah Section whose passion and dedication over the years have laid a solid foundation upon which we now build. Their legacy continues to inspire our work, and we remain grateful for their vision and service.

In line with our commitment to play a more active and strategic role in shaping the future of logistics and transport in the region, CILTM Sabah is honoured to have been appointed as a member of the State Sabah Logistics Council. This appointment represents a significant milestone, not only as recognition of the Institute's thought leadership and expertise but also as a platform for meaningful engagement with state authorities and industry stakeholders. Through this council, we aim to contribute constructively to the development of forward-looking policies and initiatives that will modernise and optimise Sabah's logistics landscape. Among our key aspirations is to support the formulation and implementation of a Sabah Logistics Master Plan, a vital roadmap that will guide the state's strategic infrastructure planning, address systemic inefficiencies, and unlock regional economic potential in a sustainable and inclusive manner.

# MESSAGE FROM THE CILTM SECTION CHAIRMAN – SABAH

**As part of our flagship initiatives, we are pleased to announce that the Maritime and Logistics Industry Forum (MLIFT) which we aim to organized this August in Labuan. Themed “Brunei Bay: A Maritime Nexus Linking Sabah, Sarawak, Labuan, and Brunei to Global Trade Routes,” this forum aims to highlight Labuan’s emerging role as a strategic node in the regional and international maritime value chain. Labuan’s strengths in oil and gas logistics, ship-to-ship transfer operations, bonded warehousing, and offshore financial services make it an ideal location for deepening discussions on regional connectivity and maritime trade facilitation.**

MLIFT will feature expert panels, strategic dialogues, and most notably, exclusive field visits offering rare behind the scenes access to critical logistics operations in Labuan. These immersive visits are designed to expose participants to real-time practices of port management, supply chain coordination, and integrated logistics operations, allowing professionals, policymakers, and academics to experience first hand the operational realities of the maritime and logistics sectors at Labuan.

To complement this effort, CILTM Sabah will also be hosting the inaugural CILTM Sabah Industry Dinner & Award Night by year end, a prestigious evening dedicated to honouring excellence, strengthening industry ties, and recognising outstanding individuals and organisations that have made significant contributions to the logistics and transport sectors in Sabah. This celebration will serve not only as a platform for recognition but also as a catalyst for fostering collaboration and cross sectoral engagement.

The road ahead is both challenging and filled with opportunity. As Sabah continues to pursue economic transformation and infrastructure advancement, the role of logistics and transport professionals has never been more critical. At CILTM Sabah, we remain steadfast in our mission to advance professionalism, promote knowledge exchange, and facilitate high-impact collaboration across the public and private sectors. We believe that with unity, strategic leadership, and a shared vision, we can collectively reshape Sabah’s logistics and transport future, making it more integrated, efficient, and globally competitive.

We look forward to your continued support, partnership, and participation in our upcoming initiatives. Stronger Together, let us move forward, driving excellence, enabling innovation, and championing sustainable growth for Sabah, Malaysia and beyond.

Ts. Daniel Doughty, FCILT  
Chairman, CILTM Sabah Section



# Welcome and Connect

CILTM and MINISTRY OF TRANSPORT (MOT)



A group of senior officers from the Ministry of Transport Malaysia (MOT) has completed professional training under the 4+1 Programme, as part of their progression towards attaining the Chartered Member (CMILT) designation. In fulfillment of the programme requirements, the officers are scheduled to present their research papers during a VIVA session on 2nd August 2025. To support their development and ensure the quality of their submissions, a structured series of short courses, paper presentation sessions, and targeted briefings on specific modules has been conducted.

## CILTM PROFESSIONAL TRAINING FOR SENIOR OFFICER MINISTRY OF TRANSPORT (MOT) - DATE: 23 - 25 MAY 2025





# Welcome and Connect

## CILTM and MINISTRY OF TRANSPORT (MOT)



The Chartered Institute of Logistics and Transport Malaysia (CILTM) extends its highest appreciation to Ms. Jefiana Jaafar, Director of the Industrial Collaboration Division, Technology Depository Agency (TDA), for graciously delivering the closing address. We also wish to express our sincere gratitude to Mr. Wee Ah San, Training Director of the Malaysian Institute of Freight Forwarders (SFFLA), for his insightful and meaningful remarks, representing the Selangor Freight Forwarders and Logistics Association. Our heartfelt thanks go as well to Ms. Norhasliza Mat Salleh, Director of NLC from MOT, and Ts. Dr. Hj. Mohd Nasir Hj. Alias, FCILT, the Sec Gen of CILTM, both of whom delivered thoughtful remarks and presented tokens of appreciation on behalf of CILTM to our distinguished guests. Not to be forgotten, our heartfelt appreciation goes to the CILTM Secretariat, led by Mdm Sharifah Salwa CMILT, Head of Secretariat, for their dedication and excellent work in coordinating and organising the programme.



We extend our heartfelt appreciation to the four distinguished lecturers for their invaluable contributions in delivering the briefing sessions for the following modules: Logistics, Distribution, Management and Procurement, Transport Economics and Finance, Research Methodology, Movement of Goods, and Law of Business and Carriage. Their expertise and commitment greatly enhanced the quality and impact of the sessions. The lecturers involved are as follows:

- Ts. Dr. Hj. Mohd Nasir Hj. Alias, FCILT, Board Member, CILTM Education and Accreditation / Senior Lecturer, UniKL MITEC, Pasir Gudang, Johor Bahru
- Mejar Bersekutu (PA) Ts. Dr. Hjh. Jimisiah Bt. Jaafar @ Kamis, FCILT Treasurer, CILTM / Senior Lecturer, UniKL Business School, Kuala Lumpur
- Asst. Prof. Dr. Dazmin Daud, FCILT, Board Member, CILTM Education and Accreditation / Senior Lecturer, UCSI University, Cheras, Selangor
- Mr. Mohd Faizal Sulaiman, CMILT, Senior Lecturer, Malaysia University of Science and Technology (MUST)





# Welcome and Connect



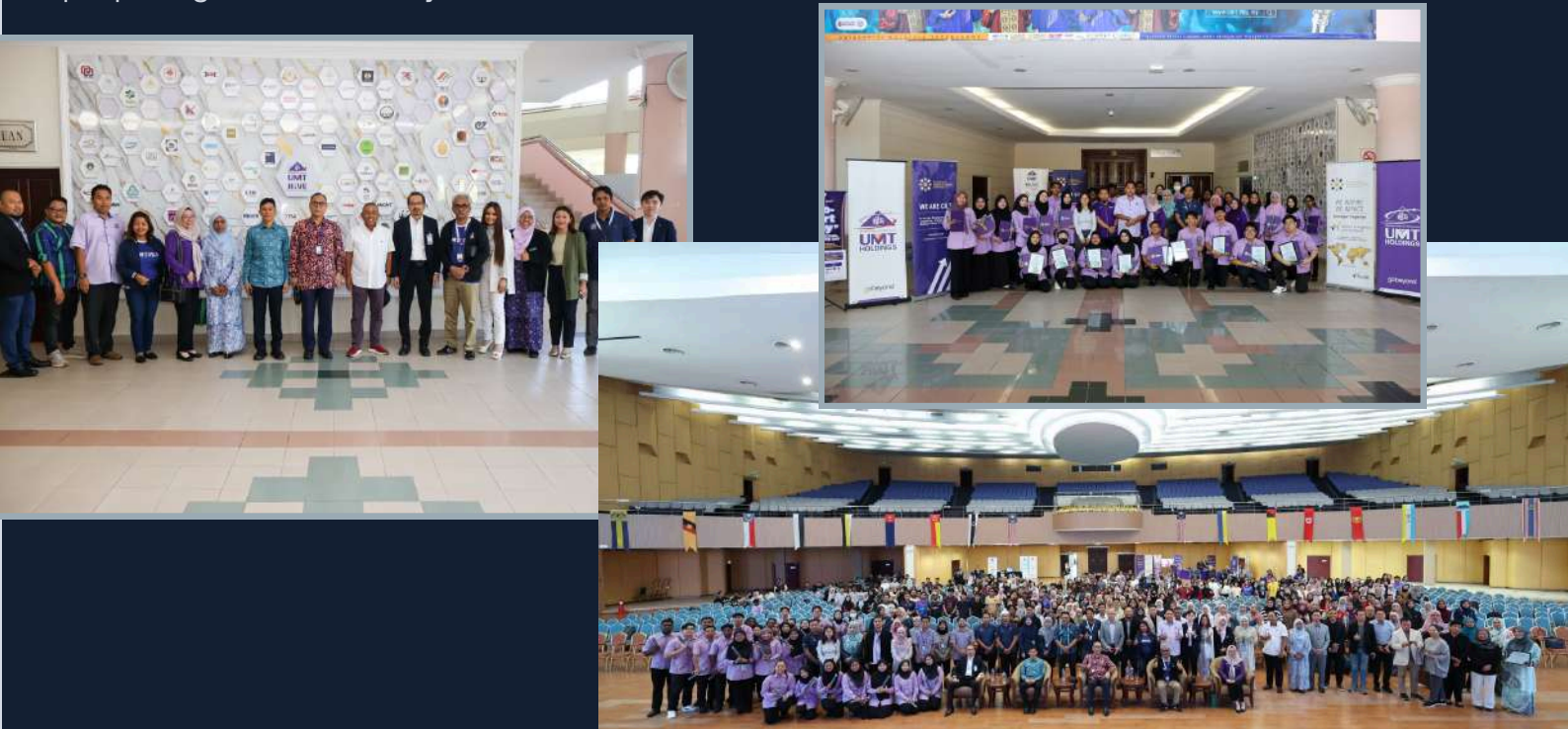
## Professional Certificate Day 2025 Universiti Malaysia Terengganu (UMT)

On 28 May 2025 (Wednesday), Ts. Dr. Hjh Jimisiah Bt Jaafar @ Kamis, FCILT, Treasurer of The Chartered Institute of Logistics and Transport (CILT) attended the "Professional Certificate Day 2025" on behalf of the President of CILT, Prof. Ts. Dr. Muhammad Zaly Shah, FCILT.

Organised by UMT Holdings through its wholly owned subsidiary UMTSEA Sdn Bhd, the event took place at Dewan Sultan Mizan (DSM), Universiti Malaysia Terengganu (UMT). The programme aimed to expose university students to various professional certification opportunities available through UMT Holdings, enabling them to make informed decisions in charting their career paths.

Representing CILT, Dr. Jimisiah delivered a comprehensive briefing highlighting the importance of professional qualifications in enhancing employability, especially in logistics and transport. She also facilitated an exhibition booth to engage with students and share information about CILT's professional certification pathways and career support services.

The event was well-received, with active participation from students and industry stakeholders, further strengthening the link between academia and professional bodies in preparing a future-ready workforce.





# Welcome and Connect



## Accreditation of Academic Programs

An Academic Recognition Audit was successfully conducted at Kolej Profesional MARA (KPM) Bandar Penawar, Johor for its Diploma in Integrated Logistics Management programme. The evaluation confirmed that the programme fully complies with the standards outlined in the Chartered Institute of Logistics and Transport Malaysia (CILT) Academic Recognition Guidelines.

Held from 15 to 16 May 2025 at KPM's main campus, the audit was led by a distinguished CILTM panel:

- Ts. Dr. Hj. Mohd Nasir Hj. Alias, FCILT (Head of Panel)
- Ts. Dr. Hjh. Zawiah Abdul Majid, FCILT (Panel Member)
- Mrs. Sharifah Salwa Abu Bakar, CMILT (Secretary to the Audit Panel)

The KPM delegation was headed by En. Mohd Syamrie Bin Nazhari, CMILT, supported by his dedicated academic team. The successful audit reaffirms KPM's commitment to academic excellence and professional standards in logistics and transport education.





# Welcome and Connect

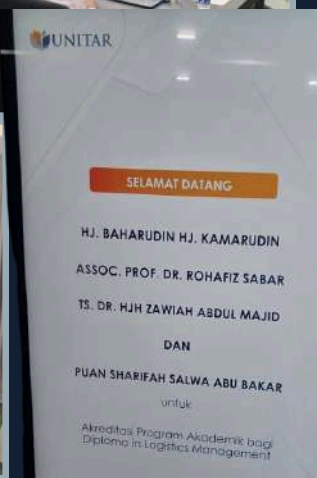


## Accreditation of Academic Programs

An Academic Recognition Audit was conducted at the Main Campus of UNITAR International University for the Diploma in Logistics Management programme. The audit was conducted to ensure that the programme offered complies with the standards outlined by The Chartered Institute of Logistics and Transport Malaysia (CILTM).

Prof. Emeritus Tan Sri Dato' Sri Ir. Dr. Sahol Hamid bin Abu Bakar, Vice Chancellor of UNITAR International University, welcomed the audit visit along with members of the academic management team and programme representatives.

Held from 28 to 29 May 2025, the audit was carried out by a panel from CILTM comprising Assoc Prof Dr. Rohafiz Sabar, CMILT (Head of Panel), Ts. Dr. Hj. Zawiah Abdul Majid, FCILT, Tn Haji Baharudin Kamarudin, FCILT (Industry Panel Member), and Mrs. Sharifah Salwa Abu Bakar, CMILT (Secretary to the Audit Panel). The UNITAR delegation was led by Mr. Santhana Raja Rajamanikam, CMILT, supported by his dedicated academic team, who contributed meaningfully to the audit process.





# Welcome and Connect



On Tuesday, 21 May 2025, a Memorandum of Understanding (MOU) was signed between Balai Ikhtisas Malaysia (BIM) and the Federation of Malaysian Business Associations (FMBA) at FINAS Malaysia, Selangor. The ceremony was witnessed by Dato' Ts. (Dr.) Abd Radzak Malek, Honorary FCILT, representing BIM. This strategic partnership marks a significant step toward fostering collaboration between professionals and business leaders, with a focus on national development, ethical leadership, and economic empowerment.



A preliminary coordination meeting for the Women In Export (WiEX) Forum 2025, organized by HAWA Malaysia, was held on 16 May 2025 at MATRADE. This meeting marked a key step in ensuring the forum's successful planning and execution. Ms. Carol Wong represented WiLAT CILT Malaysia, underscoring the organization's continued commitment to empowering women in the export sector.

A heartfelt thank you to Bernama Radio for featuring Prof. Dr. Vinitha Guptan, Vice-Chancellor of Saito University College and FemForward 2025 Award Winner, in an inspiring session. She spoke on "Innovative Women as Catalysts for Transformation", emphasizing the pivotal role of women in driving change and leading with vision. Prof. Vinitha also announced a Saito University College Scholarship exclusively for WiLAT CILT Malaysia members, supporting women's advancement through education and professional growth. Empowering women. Transforming futures. Together.



The inaugural #tlacSEA Connect session in Kuala Lumpur marked a key prelude to the upcoming Transport Logistic and Air Cargo Southeast Asia 2025 in Singapore. Dato' M. Gopal Krishnan, Group Managing Director/CEO of Atlantic Group of Companies and CILTM Corporate Member, joined fellow panelists to discuss cross-border trade and regional opportunities. Moderated by Audrey Raj, the session brought together leading figures from Malaysia's logistics, freight, and shipping sectors. Appreciation was extended to MATRADE and YBhg. Dato' Shamsul Ibrahim (MIDA) for their support and insights on Malaysia's global trade role. The event sets the momentum for October's exhibition in Singapore, which will feature 300 exhibitors and over 70 knowledge-sharing sessions.



# Welcome and Connect

## CILT Participates in BIM-AIAC ADR Summit 2025

CILT took part in the BIM-AIAC ADR Summit 2025 held on 14 May 2025 in Kuala Lumpur, themed “Empowering Professional Excellence – Building a National Professional Ecosystem and Advancing Ethical AI and ADR Practices.” As a proud member of BIM, CILT supports this initiative to foster professional growth and ethical innovation.

## CILTM Convocation 2025: Inspiring Future Logistics Professionals at Han Chiang University College, Penang

On 30 May 2025, Han Chiang University College of Communication, Penang, hosted the CILTM Convocation 2025 for its Logistics and Supply Chain Management students. Themed “Your Journey in Logistics Begins Here with CILTM,” the event aimed to inspire students and highlight opportunities in the logistics and transport industry. A key session by CILTM Secretary General Ts Dr Hj Mohd Nasir Bin Haji Alias FCILT, supported by Pn. Sharifah Salwa CMILT, emphasized the importance of professional certification, student membership, and industry networking. The session served as both a motivational and informative platform, encouraging students to pursue their logistics careers with confidence.





# HIGHLIGHTS FROM CILTM SECTION : PENANG



## CILTM Penang Section Participation at Automotive Mobility Solutions Conference 2025

Dato' Log. Ts. Dr. Chang Kah Loon, PhD (USM), FCILT, FLogM, represented CILTM as a speaker on maritime logistics during the session "Navigating Challenges: Building Resilient Supply Chains in the Automotive Industry" at the Automotive Mobility Solutions Conference 2025, held at KLCC from 15–17 May 2025. The event, organized by Messe Frankfurt—an established international trade fair organiser from Germany—was a major success, drawing approximately 500 exhibitors and thousands of global participants, particularly from China. Log. Ts. Amy Ooi, FCILT, FLogM, was also in attendance throughout the 3-day event to support CILTM's presence. This engagement underscores our continued commitment to promoting the professionalism of Malaysian logisticians on the international stage.



## CILT (Penang) Chairman Shares Insights with Next-Gen Members

Dato' Log. Dr. Chang Kah Loon, PhD (USM), FCILT, FLogM, Chairman of CILT (Penang), held an engaging session on "The Importance of Co-Curriculum" with Next-Gen (Penang) members and students. He emphasized how co-curricular activities nurture creativity, resilience, and a broader perspective, encouraging students to maintain balance, be prepared, and embrace lifelong growth.





# HIGHLIGHTS FROM CILTM SECTION : PENANG

## CILTM's Log. Eunice Chang Inspires at Penang Education Fair

Log. Eunice Chang, CMILT, Section Secretary and Section WILAT Chairman, was invited by Jawatankuasa Belia Pulau Pinang (JBPP) Paya Terubong as a guest speaker at an education fair held at Sunshine Central last Sunday. The event, officiated by YB Wong Hon Wai, Penang State EXCO for Tourism and Creative Economy, gathered educational institutions, youth leaders, and students to explore academic and career opportunities. In her inspiring message, **Log. Eunice encouraged attendees by saying, "Ladies, don't be afraid of your age or which stage of life you're in... time flies, and your dreams are still achievable. Be bold and fight for yourself!"**



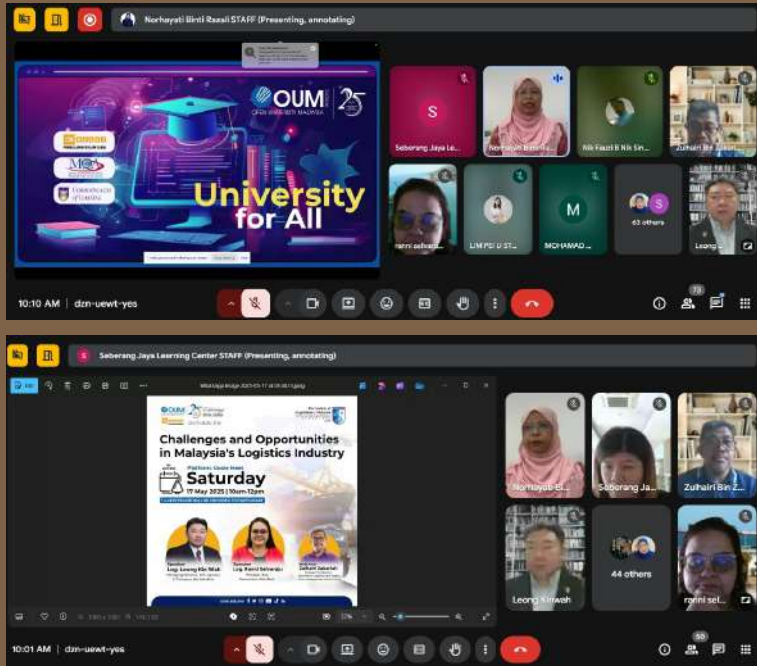
## CILT (Penang) Joins "Concert for a Cause" Charity Event

Led by Dato' Log. Dr. Chang Kah Loon, FCILT, FLogM, professional logisticians from CILT (Penang Section), LogM, and business associates participated in the "Concert for a Cause" charity concert and dinner, organised by Prince of Wales Island International School (POWIS), a member of the MTT Group chaired by Dato' Seri Log. Kenny Ong, FLogM. The event featured impressive performances by POWIS students and guest artists, creating a warm and enjoyable atmosphere. CILT attendees included Mr. and Mrs. Nelson Koay, Log. KW Leong, Log. Ts. Amy Ooi, Log. Jasmine Chang, Log. William Ooi, Log. Ts. Cheah Chuan Wooi, Mr. Wayne Ng, and Mr. Jack Chang—all of whom thoroughly enjoyed the evening.





# HIGHLIGHTS FROM CILTM SECTION : PENANG



## CILT Chartered Logisticians Share Industry Insights at OUM Webinar

CILT chartered members Log. Leong Kin Wah, PJK, CMILT, and Log. Ranni Selvaraju, PJM, CMILT, were featured as guest speakers at Open University Malaysia's (OUM) webinar, "The Challenges and Opportunities in Malaysia's Logistics Industry." They shared valuable insights on current trends, industry challenges, and future career prospects, with the goal of encouraging the growth of qualified logisticians. CILT remains committed to promoting professionalism in logistics, transport, and supply chain, and looks forward to continued collaboration with OUM.

## Inspiring Future Logistics Professionals at AK Academy, Penang

On 30 May 2025, AK Academy, Penang, hosted a CILTM session for Professional Diploma students, themed "Your Journey in Logistics Begins Here with CILTM." The event featured a keynote by CILTM Secretary General Ts. Dr. Hj. Mohd Nasir Bin Haji Alias FCILT, supported by Pn. Sharifah Salwa CMILT, emphasizing the value of professional certification, student membership, and industry networking. The session served to inspire and inform students about career pathways in logistics and transport.





# HIGHLIGHTS FROM CILTM SECTION : PENANG

## CILT (Penang) Members at NMSAA AGM

CILT (Penang) members, including Log. Kung Kok Chye, FCILT; Log. Eunice Chang, CMILT; Log. Ranni Selvaraju, CMILT; Log. Christopher Lim, CMILT; and Log. Suganthi Sithiram, CMILT, attended the NMSAA AGM and Members' Night. Congratulations to Log. Christopher Lim on his election as an EXCO Member. We wish him continued success!



## Promoting Wellness Among Junior Logisticians

As part of our Junior Logisticians initiative, we recently hosted an introductory pickleball session for logistics graduates and students, promoting both mental and physical well-being. Our Section Secretary, Log. Eunice Chang, CMILT, MLogM, was present to support and encourage participants. Activities like this help build teamwork, resilience, and a healthy lifestyle.



## CILT (Penang Section) Annual General Meeting (AGM) 2025

The CILT (Penang Section) Annual General Meeting (AGM) was successfully held on 30 May 2025 at 1900 hrs at AK Academy, Penang. The session was graced by the presence of Ts. Dr. Hj. Mohd Nasir Hj. Alias FCILT, Secretary General of CILTM, alongside CILT members and stakeholders. The AGM provided a platform to review the section's progress, discuss strategic priorities, and strengthen engagement among logistics professionals in the northern region.





# HIGHLIGHTS FROM CILTM SECTION : JOHOR



## CILTM Outreach at UniKL MITEC: Inspiring Future Logisticians

On 9 May 2025, CILT Malaysia hosted an engagement session at UniKL MITEC, Pasir Gudang, themed “Embracing Excellence: Your Professional Journey Begins with CILTM.” The session was led by Professor Ts. Dr. Muhammad Zaly Shah, FCILT, President of CILT Malaysia and International Vice President for Southeast Asia.

The event introduced students to CILTM, highlighting the value of professional membership and the vast career opportunities in logistics and transport. CILT Malaysia extends its appreciation to UniKL MITEC for the warm welcome and strong support.

**EMBRACING EXCELLENCE:  
YOUR PROFESSIONAL JOURNEY BEGINS WITH CILTM**

**INDUSTRY INSIGHTS FROM CILT MALAYSIA**

**Special Guest Speaker:**  
**PROF. TS. DR. MUHAMMAD ZALY SHAH BIN MUHAMMAD HUSSEIN**  
President of CILT Malaysia/CILT International Vice President (IVP) for the Southeast Asia region

**FREE ENTRY!  
OPEN TO ALL LOGISTICS STUDENTS!**

- Learn about the latest trends in logistics and transportation!
- Get industry insight directly from CILT Malaysia expert!
- Gain knowledge that can shape your career path

10:00 AM - 12:30 PM  
**09 MAY 2025 FRIDAY**

Venue  
**LECTURE THEATRE, UNIKL MITEC**





# HIGHLIGHTS FROM CILTM SECTION : JOHOR

## WELNESS FIESTA AT UNIKL MITEC JOHOR

The Wellness Fiesta, organized by RSBS and Project Management students of UNIKL MITEC, aimed to promote holistic well-being among students and staff, especially in the demanding field of logistics. Officiated by Ts. Dr. Mazlan Md. Zahid, the event featured activities like blood donation, self-healing, and a mental health talk. Supported by CILTM, YKN, and Hospital Penawar Pasir Gudang, it attracted around 120 participants.





## WAREHOUSE AND HANDLING TECHNOLOGY BY MOHD SYAMRIE BIN NAZHARI CMILT NEXTGEN MALAYSIA - SEMINAR & CSR MARA PROFESSIONAL COLLEGE BANDAR PENAWAR, JOHOR

### 1. INTRODUCTION

Warehousing is the process of storing goods, typically in a warehouse, before they are sold or distributed. Mainly involves managing inventory, receiving and shipping products, and ensuring efficient order fulfilment. This process can be crucial for businesses of all sizes, from small e-commerce operations to large manufacturer. Thus, Warehouse Management Systems (WMS) play vital role in helping the warehouse operations running smoothly. With the latest technology like the computerizing in warehouse operations is to help warehouse managers manage and to help warehouse operators operate smoothly and reduce mistakes. For most managers in the company, the computerizing system in the warehouse should:

- **Continuously profile warehouse activity to help managers pinpoint and anticipate problem areas and major shifts in activity levels and patterns**
- **Continuously monitor warehouse performance in productivity, shipping and inventory accuracy, warehouse order cycle time, and storage density**
- **Continuously simplify the warehouse operations by reliably optimizing and communicating transactions to/from warehouse operators and equipment**

As for warehouse operators, the WMS should facilitate hands-free and paperless activities. With over 1000 providers of warehouse management systems aggressively marketing their products and in-house MIS groups eagerly encouraging system improvements, it is easy to lose sight of the fundamental improvements that computerizing warehouse operations should bring as well as to meet customer's requirement and satisfaction.

### 2. PAPERLESS AND WIRELESS WAREHOUSE SYSTEMS

To do so, in order to support paperless and wireless warehouse systems particularly in logistics field, we need a way to automatically identify a logistics object such as a container, document, or location in a way to communicate information to a logistics operator, and a way to present information to a logistics operator until to final consumer. Those major categories of technologies are described as below:

- **Automatic identification technologies**
  1. **Bar codes and bar code scanners**
  2. **Radio frequency tags and antennae**
  3. **Smart cards and magnetic stripes**
  4. **Vision systems**
- **Automatic communication and presentation technologies**
  1. **Radio frequency data communications**
  2. **Synthesized voice**
  3. **Virtual displays**
  4. **Pick-to-light systems**





## WAREHOUSE AND HANDLING TECHNOLOGY BY MOHD SYAMRIE BIN NAZHARI CMILT NEXTGEN MALAYSIA - SEMINAR & CSR MARA PROFESSIONAL COLLEGE BANDAR PENAWAR, JOHOR

### 3. BAR CODES

Bar code systems are the foundation of many paperless warehousing systems, but the review is meant only as a brief introduction to bar code systems. A bar code system includes a bar code symbols to represent a series of alphanumeric characters, bar code waders to interpret the bar code symbols, and bar code printers to reliably and accurately print bar codes on labels, cartons, and/or picking/shipping documents.

Bar codes are read by both contact and noncontact scanners. Contact scanners must contact the bar code. They can be portable or stationary and typically come in the form of a wand or a light pen. The wand/pen is manually passed across the bar code. The scanner emits either white or infrared light from the wand or pen tip and reads the light pattern that is reflected from the bar code. This information is stored in solid state memory for subsequent transmission to a computer.

**Other than that, a full information technology solution for warehouse operations includes:**

- A computing platform (mainframe, mid-range, client-server network, and/or network of personal computers)
- A network of paperless devices (radio frequency terminals, bar code scanners, light-directed systems, and voice headsets)
- A relational and/or object database (Oracle, Sybase, Informix, and/or proprietary)
- Warehouse management software
- Enterprise system interface software
- Material handling and paperless device interface software



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2. David, Fred R. (2007). **Strategic Management: Concepts and Cases**. 11th ed. New Jersey: Prentice-Hall International.
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5. <https://barcode-labels.com/resource/barcode-types>

### 4. CONCLUSION

Despite all of the initiatives in e-commerce, supply chain integration, efficient consumer response, quick response, and just-in-time delivery, the supply chain connecting manufacturing with end consumers will never be so well coordinated that warehousing will be completely eliminated. However, as these initiatives take hold, the role and mission of warehouse operations are changing and will continue to change dramatically. WMS will hold up flexibility as the key to success in warehousing and describes how to increase the flexibility of warehouse operations through process design, system selection and justification, and layout configuration. The goals to practice WMS have to be set at or above world-class standards because the definition of world-class improves continuously. Therefore, to set goals below world-class ensures that when we get to the goals we set, we will be at least as far behind as we currently are, as the world in technology keep changing rapidly.





**TRANSIX LOGISTICS EDUCATION  
SITI RABIAHTULADAWIYAH BINTI MOHD SA'ADOM  
LOGISTICS LECTURER, BUSINESS DEPARTMENT  
KOLEJ PROFESSIONAL MARA BANDAR PENAWAR, JOHOR**

## **Abstract**

TransiX Logistics Education is an educational platform enhanced with RFID and NFC technology, designed to improve logistics education in MARA colleges. The system incorporates NFC tags, RFID readers, and cloud-based analytics to create an interactive, real-time learning experience for students studying transportation and logistics. By scanning RFID tags embedded in transportation models, students can access multimedia content, real-time vehicle data, and quizzes. Additionally, cloud-based learning analytics allow educators to monitor student engagement and provide personalized feedback. This cost-effective and scalable solution aligns with modern educational practices, bridging the gap between theoretical knowledge and industry applications.

## **1.Introduction**

The integration of RFID and NFC technology in education has transformed traditional learning into interactive, data-driven experiences. In logistics education, understanding different vehicles and their real-world applications is crucial. However, many institutions, including Kolej Professional MARA Bandar Penawar, have physical truck and ship replicas that lack detailed explanations and interactivity. The Smart Replica Learning System addresses this challenge by embedding RFID and NFC technology into each replica. These allow students to scan and retrieve real-time data, access vehicle specifications, and participate in quizzes. This approach shifts learning from passive observation to an immersive, hands-on experience. Students can scan these tags using their smartphones or interactive screens to retrieve real-time data, images, videos, and other multimedia content. This innovative approach transforms passive learning into an engaging experience, allowing students to explore logistics concepts dynamically and interactively.

## **2.Problem Statements**

In the current logistics education system, students interact with static transportation replicas that do not provide additional details or real-time feedback. These models only serve as visual references, leaving students without a deeper understanding of vehicle specifications, functionalities, and industry applications. Without an interactive component, students struggle to connect theoretical concepts with real-world logistics operations. Traditional teaching methods in logistics education rely heavily on textbooks and lectures, which can be disengaging for students. With the absence of hands-on, technology-driven learning experiences, students may find it difficult to remain interested in complex logistics concepts. As a result, their motivation to explore and apply knowledge in a practical setting is significantly reduced. By integrating RFID technology, the Smart Replica Learning System aims to enhance student engagement by providing an interactive and self-paced learning experience.

## **3. Objectives**

**i. To provide students with interactive access to detailed vehicle specifications, multimedia content, and quizzes by integrating RFID NFC into transportation replicas, thereby improving their understanding of logistics vehicles and their functions.**

**ii. To enable students to explore content at their own pace, allowing them to engage with the learning material based on their individual needs and interests, and fostering a deeper retention of knowledge.**

**iii. To allow teachers to track student interactions with the replicas through real-time data, enabling informed decisions for future teaching improvements and personalized feedback for students.**



**TRANSIX LOGISTICS EDUCATION  
SITI RABIAHTULADAWIYAH BINTI MOHD SA'ADOM  
LOGISTICS LECTURER, BUSINESS DEPARTMENT  
KOLEJ PROFESSIONAL MARA BANDAR PENAWAR, JOHOR**

## 4. Solutions

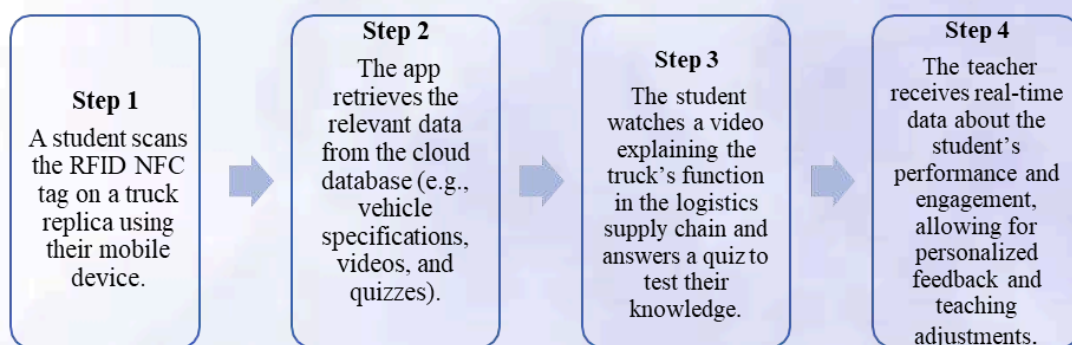
i. IoT as a Solution to Address Learning Gaps in Logistics Education The integration of the Internet of Things (IoT) offers a unique opportunity to address the challenges faced in logistics education, particularly the lack of detailed, interactive explanations for transportation replicas. By embedding RFID NFC into truck and ship models, students can access real-time multimedia content and engage dynamically, enriching their understanding of vehicle roles and logistics functions.

ii. How IoT Can Facilitate Real-Time Learning and Feedback The IoT-enabled system will allow students to scan RFID NFC attached to each replica, providing them with immediate access to a wide range of content, including vehicle specifications, operation procedures, and historical context. Real-time data collection from student interactions can be used to assess engagement and understanding, allowing instructors to provide tailored feedback. For example, as students answer quiz questions or view videos, their progress and results can be monitored, offering instructors insights into areas where students may need additional support.

In addition, IoT create instant feedback for students through quizzes and assessments, students will receive immediate feedback, allowing them to identify areas of improvement and reinforcing key concepts learned during their study sessions. Besides, IoT facilitates teacher-student interaction and monitoring. Teachers will have access to tracking data showing student interactions with the replicas and their progress, which can be used to personalize lessons and offer real-time support, creating a more responsive and adaptive learning environment. This structured approach ensures that students gain practical knowledge, bridging the gap between theoretical logistics education and industry requirements.

## 5. Device Selection

i. IoT Devices and Technologies The implementation of the Smart Replica Learning System, selecting the right IoT devices is critical to enhance student engagement, provide real-time feedback, and ensure ease of use for both students and instructors. In this context, passive RFID NFC will be used to link each transportation replica to a database containing multimedia content. RFID tags will be attached to the transportation models, allowing students to scan them with their smartphones or interactive displays. This will give them immediate access to vehicle specifications, operational videos, and quizzes. These devices are chosen for their affordability, ease of implementation, and capacity to deliver interactive learning experiences. RFID NFC are inexpensive and widely available, and their integration with mobile apps and cloud databases is simple, making them ideal for a budgetfriendly IoT solution



**FIGURE 1 SHOWS THE FRAMEWORK FOR  
TRANSIX LOGISTICSEDUCATION**





**TRANSIX LOGISTICS EDUCATION  
SITI RABIAHTULADAWIYAH BINTI MOHD SA'ADOM  
LOGISTICS LECTURER, BUSINESS DEPARTMENT  
KOLEJ PROFESSIONAL MARA BANDAR PENAWAR, JOHOR**

## **ii. Criteria of Selected Devices**

**Educational Relevance:** The RFID NFC directly enhance the learning experience by providing students with immediate access to relevant, detailed information. This interactivity allows students to learn more efficiently by engaging with the replicas through digital resources, making abstract logistics concepts more tangible and relatable.

**Ease of Use:** The selected devices, RFID NFC are simple to integrate with mobile apps and interactive displays. Students can easily scan the codes using smartphones, eliminating the need for complex setups or specialized equipment. The ease of use ensures that students and instructors can quickly adapt to the system, without requiring advanced technical knowledge or additional training.

**Cost:** Both RFID NFC are affordable options for a learning system. These low-cost devices enable the integration of interactive learning at a fraction of the cost of more advanced hardware like AR devices or interactive whiteboards. The overall cost-effectiveness ensures that the project remains within budget while still offering an innovative learning solution.

**Functionality:** The RFID NFC are specifically chosen for their functionality in enabling access to digital content related to each transportation replica. These devices provide real-time engagement, as students can scan the tags or codes and immediately access multimedia resources, such as videos, specifications, and quizzes. This functionality is key to enhancing the educational value of the physical replicas and creating an interactive, engaging learning environment.



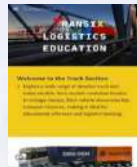



## **6. Benefits**

- i. **Increased Engagement:** RFID NFC make learning more interactive by letting students scan replicas to access videos, quizzes, and other content, which helps them understand concepts better and remember information longer.
- ii. **Personalized Learning:** Students can explore the content at their own pace, focusing on areas where they need more help and revisiting material as needed, improving their overall learning experience.
- iii. **Better Teaching Insights:** Teachers can track student interactions with the replicas, using this data to identify areas where students struggle and adjust lessons accordingly for better learning outcomes.



**TRANSIX LOGISTICS EDUCATION  
SITI RABIAHTULADAWIYAH BINTI MOHD SA'ADOM  
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## 7. IoT End Product

NO	ITEM	PICTURE
1	NFC is part RFID (radio- frequency identification) and part Bluetooth. NFC stands for near-field communication.	
2	A smartphone is a mobile device that combines the functionality of a traditional mobile phone with advanced computing capabilities.	
3	Google Sites is a web-based platform that allows you to create websites for free. <a href="https://sites.google.com/view/transixlogistics">https://sites.google.com/view/transixlogistics</a>	
NO	ITEM	PICTURE
4	Google Forms is a survey administration software included as part of the free, web-based Google Docs Editors suite offered by Google.	
5	Google Sheets is an online spreadsheet app that lets you create and format spreadsheets and work with other people	
6	Looker Studio is a no-cost tool that turns your data into informative, easy to read, easy to share, and fully customizable dashboards and reports.	

**Table 1 shows the list of resources and its usage**

**TRANSIX LOGISTICS EDUCATION  
SITI RABIAHTULADAWIYAH BINTI MOHD SA'ADOM  
LOGISTICS LECTURER, BUSINESS DEPARTMENT  
KOLEJ PROFESSIONAL MARA BANDAR PENAWAR, JOHOR**

## 8. Conclusion

The implementation of IoT in logistics education through the Smart Inventory Management System presents a transformative opportunity for students to bridge the gap between theoretical learning and real-world application. By integrating RFID, barcode scanning, and cloud-based inventory tracking, students develop crucial skills in warehouse automation, data analytics, and supply chain optimization. IoT-driven solutions enhance student engagement, facilitate personalized learning experiences, and provide real-time monitoring of progress, ensuring that students are better prepared for the workforce.

The ability to interact with industry-standard tools fosters confidence and practical expertise, making graduates more employable and adaptable to technological advancements in logistics. As the logistics industry continues to embrace digital transformation, integrating IoT-based learning solutions in educational institutions will be critical for producing skilled professionals. By adopting this smart inventory management system, logistics students gain valuable insights into inventory tracking and decision-making, positioning themselves as future-ready professionals in an evolving industry. The investment in IoT for education ensures a more efficient, data-driven learning environment that aligns with the demands of modern supply chain management.

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## 10. Appendices

**Official Launching during CILT visit on  
15 May 2025.**





# HIGHLIGHTS FROM CILTM SECTION : KUALA LUMPUR



## CILT Malaysia Honours Top Logistics Graduate at IPMA Convocation 2025

On behalf of CILT Malaysia President Prof. Ts. Dr. Muhammad Zaly Shah, FCILT, Kuala Lumpur Section Chairman Tuan Hj. Baharudin bin Hj. Kamarudin, FCILT, attended the Majlis Konvokesyen Perdana IPMA 2025 at PWTC Kuala Lumpur on 13 May 2025. He proudly presented the KPM/CILTM Best Student Award for the Diploma in Integrated Logistics Management to Ms. Nurul Ain Nasuha binti Norrezam of Kolej Professional MARA Bandar Penawar, Johor. The ceremony was graced by YB Datuk Hajah Rubiah Wang, Deputy Minister of Rural and Regional Development. Congratulations to Hi-Edu MARA on this significant achievement!

## CILTM Engages with KNOWLEDGE Group of Companies on Corporate Membership and Training Collaboration

On 2 May 2025, Hj. Baharudin Kamarudin, FCILT, Chairman of CILTM Kuala Lumpur Section, together with Dato' Ts. Dr. Radzak Malek, Hon FCILT, Honorary Senior Advisor and Patron of WiLAT Malaysia, paid a courtesy visit to KNOWLEDGE Group of Companies at Megan Avenue, Kuala Lumpur. The visit facilitated a productive discussion on CILTM Corporate Membership and potential collaboration in the area of professional training and development. The session was hosted by Mr. Selva Nagappan, Managing Director of KNOWLEDGE Group, alongside Ms. Survinder Kaur, General Manager, and Mr. Velmuruga, Project Consultant – a seasoned Professional Conference Organiser with over 21 years of experience in delivering conferences, summits, and exhibitions from concept to execution. The Chartered Institute of Logistics and Transport in Malaysia (CILTM) welcomed KNOWLEDGE Group to join as a Corporate Member, recognizing their commitment to advancing industry standards and professional training.





# HIGHLIGHTS FROM CILTM SECTION : KUALA LUMPUR

## FROM FARM TO TABLE: NURTURING NEXTGEN LEADERSHIP WITH HEART THROUGH WMIK'S KITCHEN JOURNEY

**Jointly Organised by NextGen & WiLAT Malaysia Inspire Kitchen (WMIK)**

In a beautiful blend of passion, purpose, and participation, NextGen, in collaboration with WiLAT Malaysia Inspire Kitchen (WMIK), successfully hosted an engaging and meaningful event under the theme "From Farm to Table." This hands-on activity brought together students and mentors to explore leadership, teamwork, and continuous learning through the shared experience of preparing meals with heart. The event welcomed enthusiastic participation from students of KPM Bandar Penawar Saito University College, and MITEC fostering a unique space for mentorship and cross-campus connection. Under the guidance of dedicated Ex-Officio, Puan Sharifah Salwa, along with passionate secretariat WMIK and lecturers from KPM, students were immersed in real-world learning from preparing ingredients to creatively presenting meals.

At one station, students worked in unison to prepare ingredients with care, learning about hygiene, cooperation, and kitchen discipline. At another, they channelled their creativity into cake decorating, guided by mentors who emphasized precision, patience, and presentation. This initiative was more than just a cooking session; it was a living classroom where leadership was nurtured, values were shared, and bonds were formed. Through the warmth of WMIK's kitchen, students gained not only new skills but also inspiration to grow as future leaders with empathy and heart. NextGen and WiLAT Malaysia Inspire Kitchen extend their heartfelt thanks to all students, facilitators, and supporting institutions for making this event a meaningful success.

Author: Ms : Noor Fathiah Binti Othman CMILT

Asst Dean

Saito University College

Member of CILTM KL Section





# HIGHLIGHTS FROM CILTM SECTION : KUALA LUMPUR



## MIHAS 2025

29 May 2025 – A Milestone for the Halal Industry!

Attended the soft launch of Makiplago Sdn Bhd's mega pavilion for MIHAS 2025 at Genovasi University College, representing CILTM KL, NL Institute of Halal Supply Chain, NL Logistics, and SAF Logistics.

The Makiplago Harbour International Pavilion, launched by CEO Jamaluddin Ibrahim, will be the largest at MIHAS 2025—spanning 1,240 sqm with over 170 exhibitors—offering a major platform for halal SMEs to access global markets.

The event also featured key stakeholders like MATRADE's Yusram Yusup and Dato' Dr. Abd Radzak Malek, and saw the signing of MOUs with six foundational partners. A promising step toward a stronger, more connected halal trade ecosystem.



**BRIDGING THE GAP: STRENGTHENING INDUSTRY-ACADEMIA  
COLLABORATION IN MALAYSIA'S LOGISTICS  
AND SUPPLY CHAIN SECTOR**

**AUTHOR: TS. MOHD AZLAN ABU BAKAR  
NEXT GENERATION MALAYSIA - VICE CHAIRMAN  
SENIOR LECTURER, LOGISTICS AND SUPPLYCHAIN MANAGEMENT  
PROGRAM UNIVERSITY COLLEGE OF MAIWP  
INTERNATIONAL (UCMI)**

The logistics and supply chain sector possesses immense potential to drive the Malaysian economy by facilitating trade, nurturing industries, and integrating cross-border business in a synergistic manner. This sector offers incredible opportunities for growth, particularly through the adoption of industry technology, the pursuit of sustainability objectives, and the capacity to tackle supply chain volatility. However, unlocking this potential requires an industrious ecosystem one supported by academic research, principled problem-solving, and practical innovation.

To address the complex challenges facing Malaysia's economy, academic supply chain programs and professional training pathways must adopt more agile frameworks that align with the evolving needs of the industry. Higher-order competencies are essential, especially in emerging areas such as supply chain automation, digitalisation, green logistics, and data analytics. Graduates equipped with these competencies are better positioned to meet the demands of a rapidly transforming sector. Institutions offering logistics and supply chain programs accredited by the Chartered Institute of Logistics and Transport (CILT) play a critical role in this ecosystem by equipping students with advanced, data-driven industrial skills. These programs lay strong foundations for the workforce, enabling graduates to build on international best practices and industry standards without being hindered by outdated knowledge or limited exposure.

Collaboration between academia and industry is key to bridging the gap between theory and practice. Addressing complex supply chain challenges, whether in optimising efficiency, improving last-mile delivery, or developing solutions for resilient and sustainable networks, that requires joint efforts that stimulate cross-departmental cooperation and shared learning. Through collaborative research, pilot studies, and practical initiatives, both academia and industry can generate insights and innovations that have tangible, lasting impacts, benefiting businesses, communities, and the economy.

Knowledge exchange remains a cornerstone of this collaboration. Industry-led seminars, guest lectures, mentorship programs, and case study engagements create invaluable opportunities for students and professionals alike to share expertise,

explore emerging trends, and apply best practices across the sector. These interactions foster a culture of continuous improvement, ensuring that Malaysia's logistics and supply chain sector remains dynamic, forward-thinking, and globally competitive.





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Equally important is the upskilling and reskilling of the current workforce. As the logistics and supply chain landscape evolves, professionals must adapt by mastering new technologies and methodologies. Targeted programs focusing on advanced logistics tools, sustainability practices, and digital supply chain management are essential to ensuring that Malaysia's workforce remains relevant, competitive, and resilient in an ever-changing global environment.

As Malaysia advances its position as a regional logistics hub, fostering stronger collaboration between academia and industry will be a key enabler for sustained growth and innovation. Together, these partnerships can build a skilled, adaptable, and future-ready workforce that is equipped to navigate tomorrow's challenges, driving Malaysia's economic development and securing its place in the global supply chain network.



# HIGHLIGHTS FROM CILTM SECTION : PERAK



## **Memorandum of Understanding Signing Ceremony between UTAR and CILTM – A Strategic Collaboration for Academic and Professional Advancement**

Kampar, 28 May 2025 - In a significant move toward academic and professional synergy, Universiti Tunku Abdul Rahman (UTAR) and the Chartered Institute of Logistics and Transport in Malaysia (CILTM) formalized their collaboration through a Memorandum of Understanding (MoU) Signing Ceremony held at UTAR Kampar Campus. The ceremony, titled "Memorandum of Understanding Signing Ceremony between UTAR and CILTM – A Strategic Collaboration for Academic and Professional Advancement," marked a pivotal milestone aimed at strengthening mutual cooperation in the areas of logistics, transport, research, education, and industry engagement. The event commenced at 2:00 pm with welcome video presentations from both UTAR and CILTM, followed by an inspiring welcome address by Ir. Prof. Dr. Goi Bok Min, UTAR Vice President (Internationalization and Academic Development). In his speech, he emphasized the importance of forging industry-academia partnerships to meet future challenges and advance knowledge in the logistics and transport sectors. Representing CILTM, Prof. Ts. Dr. Muhammad Zaly Shah, FCILT, President of CILTM, delivered a keynote speech highlighting the significance of academic institutions working alongside professional bodies to prepare future-ready graduates and drive industry transformation.



# HIGHLIGHTS FROM CILTM SECTION : PERAK



The MoU signing was then carried out with both parties pledging to collaborate on academic programs, research initiatives, student development, and professional training. The ceremony also included an exchange of souvenirs to commemorate the occasion. Distinguished delegates from CILTM who graced the ceremony included:

- Prof. Ts. Dr. Muhammad Zaly Shah, FCILT – President
- Ts. Dr. Hj. Mohd Nasir Hj. Alias, FCILT – Secretary General
- Dato Ts (Dr) Abd Radzak Abd Malek Hon FCILT
- Rajagopal A/L Perumal FCILT

The event concluded with a group photo session and a guided campus tour, fostering further dialogue and understanding between both institutions. This MoU sets the stage for a dynamic partnership, fostering innovation and nurturing talent in the fields of logistics and transport, both locally and internationally.

## WiLAT Perak Represents CILTM at OCEANCON 2025

Ms. Azila Ayub, CMILT, Secretary of WiLAT Malaysia and Chairperson of WiLAT Perak, proudly represented the Chartered Institute of Logistics and Transport Malaysia (CILTM) as an official reviewer at OCEANCON 2025, held on 29 April at UniKL MIMET. The conference, focused on advancing ocean science for a sustainable maritime industry, also welcomed secondary school students from SMK Ahmad Boestamam and SMK Kampung Pasir Putih, fostering early interest in maritime fields. WiLAT's involvement highlights the growing impact of women in logistics and maritime, inspiring future generations.





# HIGHLIGHTS FROM CILTM SECTION : KEDAH&PERLIS

## Roundtable Discussion on the Sustainable Integration of Logistics, Transportation, Arts, Culture, and Heritage in Langkawi Tourism: Enhancing Resilience and National Identity

In conjunction with the prestigious LIMA 2025 – Langkawi International Maritime and Aerospace Exhibition, the CILTM Kedah & Perlis Section hosted a thought-provoking Roundtable Discussion focused on the sustainable integration of logistics, transportation, arts, culture, and heritage within the context of Langkawi's dynamic tourism landscape.

This timely initiative brought together industry professionals, policymakers, academics, and cultural advocates to explore how interconnected systems—ranging from efficient transport infrastructure to cultural preservation—can be harmonised to boost resilience, promote sustainable tourism, and reinforce national identity. The discussion highlighted the pivotal role of logistics and transportation in enhancing tourist accessibility and service efficiency, while also stressing the importance of cultural and heritage conservation as key drivers of authentic and sustainable tourism experiences. Participants exchanged insights on best practices, emerging trends, and policy recommendations aimed at strengthening Langkawi's position as a premier global destination that honours both innovation and tradition. This roundtable served as a platform to foster collaboration across sectors, aligning with Malaysia's broader goals for sustainable development, economic diversification, and cultural preservation in tourism.





# HIGHLIGHTS FROM CILTM SECTION : SELANGOR



## SELANGOR WEBINAR SERIES

Working Paper: Virtual Engagement Session on Overloading Checks for Trucks  
(Effective July 1, 2025)  
Platform: Zoom  
Date: 15 May 2025

In light of growing concerns over road safety, port congestion, and regulatory compliance, the Ministry of Transport (MOT) will implement mandatory overloading checks at all major Malaysian ports starting 1 July 2025. This enforcement represents a critical step toward strengthening logistics governance and ensuring that trucks entering and exiting ports comply with legal weight limits.

To support a smooth and informed transition, the Selangor Webinar Series will host a Virtual Engagement Session bringing together key industry stakeholders: freight forwarders, shippers, trucking companies, and port authorities, to examine the implications of the new regulation and collaboratively develop practical solutions.

This working paper outlines the structure of the session, which is designed to foster meaningful dialogue and address the operational, financial, and logistical challenges posed by the new enforcement. It also explores strategies for industry-wide cooperation, improved load planning, and enhanced compliance mechanisms.

### Session Objectives

- Evaluate the impact of overloading checks across logistics sectors
- Share tools and approaches for effective compliance
- Promote a unified platform for stakeholder concerns and input
- Identify long-term benefits and policy pathways for sustainable logistics

### Distinguished Speakers

- Dato Tony Chia, President, FMFF – Freight Forwarding Perspective
- Dato Nathan, Chairman, MNSC – Shipper Concerns & Load Planning
- Soo Che Yong, President, AMH – Transporter Operational Adjustments
- Capt Subra, General Manager, Port Klang Authority – Port Enforcement Measures

This engagement is not merely a briefing, it is a collective initiative to prepare Malaysia's logistics industry for a more compliant, efficient, and sustainable future.



# Women in Logistics and Transport Malaysia WiLAT Malaysia



## FEMFORWARD 2025

### Congratulations to all the inspiring recipients of the FemForward Awards!

Your dedication, visionary leadership, and exceptional contributions across a wide spectrum of industries from logistics and sustainability to innovation and empowerment are truly commendable. You are not only breaking barriers, but also setting a powerful precedent for the next generation of changemakers. Thank you for serving as exemplary role models in your respective fields. Here's to many more milestones, well-deserved recognition, and continued impact in shaping a more inclusive and dynamic future.





# *Women in Logistics and Transport Malaysia*

## *WiLAT Malaysia*

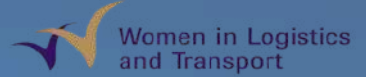
**HAWA Malaysia proudly celebrated the remarkable achievements and contributions of outstanding women at the Appreciation Tea Ceremony held in honour of the FemForward 2025 winners.**

**WiLAT CILT Malaysia extends its heartfelt congratulations and may their success continue to inspire, uplift, and empower women across Malaysia and beyond.**



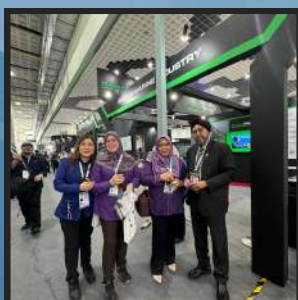


# Women in Logistics and Transport Malaysia WiLAT Malaysia



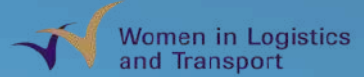
## LANGKAWI INTERNATIONAL MARITIME & AEROSPACE EXHIBITION (LIMA'25)

On 20 May 2025, the Women, Peace & Security Conference was held as a key feature of the Langkawi International Maritime & Aerospace Exhibition (LIMA'25), bringing together stakeholders from the defence, aerospace, and maritime sectors. A notable session, moderated by Assoc. Prof. Ts. Dr. Jessica Ong FCILT, Chairperson of WiLAT, CILT Malaysia, emphasized the critical role of women in advancing a more secure and inclusive global landscape. CILT Malaysia, serving as the Official Academia Partner for LIMA'25, demonstrated strong institutional support for this important initiative. Appreciation is extended to GEC and GAC for their contributions to the success of the event.





# Women in Logistics and Transport Malaysia WiLAT Malaysia



## LANGKAWI INTERNATIONAL MARITIME & AEROSPACE EXHIBITION (LIMA'25)

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# Women in Logistics and Transport Malaysia WiLAT Malaysia



## WOMEN IN LEADERSHIP: CARVING A LEGACY IN THE PROFESSIONAL WORLD

In her piece "Women in Leadership: Carving a Legacy in the Professional World," Assoc. Prof. Ts. Dr. Jessica Ong FCILT, Chairperson of WiLAT CILT Malaysia and Lecturer at UPM, reflects on the progress of women in professional leadership. She calls for critical evaluation of whether genuine equality exists or if the "glass ceiling" continues to limit women's advancement, emphasizing the importance of recognition, trust, and continued efforts toward inclusivity.

## PROFESSIONAL WOMEN DRIVING CHANGE IN THE ERA OF ARTIFICIAL INTELLIGENCE

Utusan Malaysia, 23 May 2025, featured "Professional Women Driving Change in the Era of Artificial Intelligence" by Assoc. Prof. Ts. Dr. Jessica Ong FCILT (WiLAT CILT Malaysia/UPNM) and Rabiatuladawyah Md Saleh (DBP). The article highlights the impact of the FemForward 2025 program, led by WiLAT Malaysia in partnership with key stakeholders. Recognizing 23 exceptional women, the initiative focused on accelerating women's roles in sectors like logistics, technology, and AI. The authors emphasize the need for actionable change—ensuring women are not only included but empowered to lead in shaping the future.

Wanita profesional jana perubahan dalam era kecerdasan buatan

### INTEGRASI MINDA



Oleh **Jessica Ong Hai Liaw**  
dan **Rabi'atuladawyah Md. Saleh**



# Women in Logistics and Transport Malaysia WiLAT Malaysia



## WILAT & NEXT GEN CILT MALAYSIA: NURTURING FUTURE TALENT THROUGH STUDENT-LED INNOVATION AND ENGAGEMENT

WiLAT and Next Gen CILT Malaysia continue to play a pivotal role in cultivating the next generation of logistics and transport professionals. Through a series of student-led activities, the initiative actively engaged young talents in meaningful, hands-on experiences that emphasized creativity, leadership, and a deep understanding of the industry. Held in collaboration with students from KPM Bandar Penawar, UniKL MITEC, and Saito University College, the programmes featured a range of interactive sessions—ranging from idea-pitching segments and case study discussions to on-the-ground simulations and innovation showcases. These activities served as a platform for students to express their knowledge, display their talents, and share their aspirations for the future of logistics and transport.

The program was inaugurated by Mr. Muhammad Fazly bin Jamaluddin, Director of KPM Bandar Penawar, who highlighted the institution's dedication to industry collaboration and student empowerment. The session concluded with a closing address by Ts. Dr. Mohd Nasir Alias FCILT, Secretary General of CILTM Malaysia, reinforcing CILT's commitment to professional excellence, innovation, and inclusive growth within the national logistics sector.





# Women in Logistics and Transport Malaysia

## WiLAT Malaysia



### WILAT & NEXT GEN CILT MALAYSIA: NURTURING FUTURE TALENT THROUGH STUDENT-LED INNOVATION AND ENGAGEMENT

The level of enthusiasm and initiative shown by the participating students reflected a strong commitment to not only academic excellence but also practical contributions to industry development and humanitarian support. Their involvement underscores the importance of youth-driven initiatives in bridging the gap between education and industry, while reinforcing CILT Malaysia's commitment to inclusive professional development.

In honour of Teachers' Day 2025, WiLAT Malaysia Inspire Kitchen (WMIK) made a purposeful visit to Kolej Profesional MARA (KPM) Bandar Penawar, offering both thoughtful engagement and meaningful contributions. Organised under the auspices of WiLAT Malaysia and Next Gen CILT Malaysia, the initiative sought to promote greater awareness of the vital roles women play in the logistics and transport sector, while also encouraging active youth participation in the industry's future. The joy and appreciation were reflected on their faces, making the celebration all the more meaningful.





# Women in Logistics and Transport Malaysia

## WiLAT Malaysia



### WILAT & NEXT GEN CILT MALAYSIA: NURTURING FUTURE TALENT THROUGH STUDENT-LED INNOVATION AND ENGAGEMENT

Such programmes go beyond being mere platforms for shared activities, they serve as strategic avenues to strengthen the relationship between CILTM and students pursuing studies in logistics. Through active participation, these initiatives nurture a sense of unity, collaboration, and mutual respect, which are essential in cultivating a strong spirit of togetherness. These values play a vital role not only in shaping the character and professionalism of students but also in fostering a more ethical, courteous, and socially responsible community within the logistics and transport industry. This approach aligns with CILTM's ongoing mission to develop future leaders who are not only skilled and knowledgeable but also guided by integrity and human values.

By creating such meaningful spaces for engagement, we are not only imparting knowledge but also building bridges between generations, working together toward a more inclusive, resilient, and values-driven future for the logistics and transport sector.





*To the Queen of Our Hearts,  
On this special day, we celebrate the strength,  
grace, and unwavering love of mothers everywhere.  
Your quiet sacrifices, bold resilience, and endless  
devotion inspire us beyond measure.*

*Happy Mother's Day!*

*With deepest appreciation and admiration,  
Assoc. Prof. Ts. Dr. Jessica Ong Hai Liaw FCILT  
Chairperson, WiLAT Malaysia CILTM  
& The Executive Committee*





# NEXT-GENERATION Malaysia

To provide a forum where students and next generation professionals can expand their sector knowledge, start building their professional networks, learn and practise presentational, collaborative, strategic and leadership skills, and move on to become successful professionals and highly effective participants in CILT branches, territories and international leadership.



## NextGen CILT Malaysia Champions Career Inspiration at KPM Bandar Penawar

Bandar Penawar, Johor — In our ongoing mission to connect, inspire, and empower young talent, NextGen CILT Malaysia proudly took part in a special Career Talk at KPM Bandar Penawar, held in conjunction with Teachers' Day 2025.

Representing NextGen CILT Malaysia was \*Vice Chairperson, Mr. Mohd Azlan bin Abu Bakar, who joined an esteemed panel of industry leaders to engage with students from KPM Bandar Penawar\* and UniKL MITEC. The session aimed to spark interest in careers within logistics, transport, and supply chain, offering invaluable guidance on professional development and leadership opportunities. Sharing the stage were \*Assoc. Prof. Ts. Dr. Jessica Ong Hai Liaw, Chairperson of WiLAT Malaysia, and \*\*Dr. Kamarazaman Jusoff\*, Chairman of CILTM Pahang, each highlighting career prospects for youth and women, the importance of professional certification, and the power of early leadership development in shaping future industry leaders.

Adding warmth and encouragement to the day, WiLAT Malaysia CILTM Inspire Kitchen (WMIK)\* served both nourishing meals and motivational support, reminding students of the strong community behind them. As part of the programme, \*Secretary of NextGen Malaysia, Noor Fathiah, along with the team from Saito University College, engaged with staff and students to share academic pathways and opportunities available at Saito UC. A proud moment came when Mr. Haqim Ghafar, a lecturer at Saito UC and KPM Bandar Penawar alumnus, inspired the audience by sharing his personal transformation journey. To further energize the event, The Prime MPP team conducted fun and interactive activities with the students, creating a lively and meaningful atmosphere for all.

# NEXT-GENERATION Malaysia

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The event was officiated by Mr. Muhammad Fazly bin Jamaluddin, Director of KPM Bandar Penawar, and concluded with a motivating address from Ts. Dr. Mohd Nasir Alias FCILT\*, Secretary General of CILTM, who commended the collaborative spirit and the commitment to developing future-ready leaders.

At NextGen CILT Malaysia, we are proud to be part of initiatives that inspire, nurture, and celebrate the next generation of logistics professionals.



## SPM Segment – Shaping an Inclusive Future in the Women’s Defense Sector (LIMA 2025)

On Saturday, 10 May 2025, the morning talk show *SPM – Nadi Seri Pagi* aired a special segment titled "Melakar Masa Depan Inklusif di Sektor Pertahanan Wanita (LIMA 2025)", broadcast on TV1, RTM, and MYTV.

The discussion featured two prominent guests: Mohamad Shafiq Sahrudin, a Policy Analyst at Global Asia Consulting, and Dr. Hazariah Mohd Noh, Vice President of Women in Corporate Aviation Asia (WCAA). Together, they shared insights into the evolving role of women in Malaysia’s defense and aerospace sectors, particularly in anticipation of LIMA 2025.

The conversation centered on the urgent need for inclusive policies that support and promote women in traditionally male-dominated industries. Mohamad Shafiq emphasized policy-level changes and institutional support, while Dr. Hazariah highlighted ongoing initiatives that empower women in corporate aviation and defense leadership. This segment underscored Malaysia’s commitment to shaping a future where gender equality is a norm in national defense. LIMA 2025 is expected to be a significant platform for highlighting the achievements and potential of women in the field. The discussion was both timely and impactful, encouraging wider support for gender inclusivity in the defense sector.



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## Proud Milestone: CILTM & NextGen Malaysia Announced as Strategic Partners for the Aerospace Talent Challenge at LIMA 2025

We are proud to announce The Chartered Institute of Logistics and Transport Malaysia (CILTM) and NextGen Malaysia as official strategic partners of the Aerospace Talent Challenge, an exciting highlight of the upcoming Langkawi International Maritime and Aerospace Exhibition (LIMA) 2025.

This dynamic platform is dedicated to discovering and nurturing the next generation of aerospace innovators and engineers, bringing together the brightest young minds from public and private universities (IPTA & IPTS) as well as secondary schools, both local and international. The Aerospace Talent Challenge provides students with the unique opportunity to showcase their creativity, technical skills, and passion for aerospace through competitions, innovation showcases, and industry engagement. A special salute goes out to Universiti Kuala Lumpur Malaysian Institute of Aviation Technology (UniKL MIAT) and Saito University College, esteemed partner universities of CILTM, for their outstanding achievements in the Rocket Design Competition. Their performance is a testament to the excellence and growing capabilities of Malaysia's aerospace education ecosystem. We are proud that our Next Gen executive members were onboard to support the student team: Ms Fathiah and Madam Haslinawati. In a proud and inspiring moment, Dr. Hazariah Mohd Noh, Ph.D, Chairperson of NextGen Malaysia, received a competition prize memento on behalf of the organization from YB Hannah Yeoh, Minister of Youth and Sports Malaysia. The recognition reflects the government's strong support for youth-driven innovation and talent development in high-tech industries.



The recognition reflects the government's strong support for youth-driven innovation and talent development in high-tech industries. Together, CILTM and NextGen Malaysia are committed to empowering future aerospace leaders and driving Malaysia's vision to become a global hub for aerospace talent. LIMA 2025 is not just a showcase of technology, but a celebration of ambition, collaboration, and the limitless potential of young Malaysians..

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## NEXTGEN CILT MALAYSIA ENGAGES AT HALAL SECTOR SEMINAR 2025, DRIVING FUTURE-READY LEADERSHIP IN HALAL LOGISTICS

The Chartered Institute of Logistics and Transport Malaysia (CILTM) proudly participated in the Halal Sector Seminar 2025: Halal Logistics — Compliance as a Catalyst for Industry Excellence held at Zenith Hotel, Putrajaya. Representing the vibrant voice of the future was Ms. Noor Fathiah Binti Othman, CMILT, Secretary of NextGen CILT Malaysia, alongside senior CILTM leaders. The delegation included, Ts. Dr. Hj. Zawiah Binti Abdul Majid, FCILT, CILTM Council Member and Hj. Baharudin Bin Hj. Kamarudin, FCILT, Chairman of CILTM Kuala Lumpur Section. This seminar was a valuable platform that united regulators, industry experts, and logistics professionals to explore the rapidly evolving halal logistics sector. Key discussions focused on compliance frameworks, certification challenges, and global harmonization — essential areas that will shape Malaysia's leadership in halal supply chains worldwide.



For NextGen CILT Malaysia, participation in such forums not only broadens our knowledge but also empowers us to drive innovation and professionalism within the halal logistics space. We are committed to championing the integration of compliance and sustainability, positioning Malaysia as a global hub for halal logistics excellence.

A heartfelt thank you to the Halal Development Corporation for organizing this impactful seminar, and to all CILTM delegates for their dedication to advancing Malaysia's logistics industry. Together, we will continue to build a compliant, competitive, and future-ready halal logistics ecosystem.



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## NEXT GEN INSIGHTS – EMPOWERING GROWTH THROUGH CILT: MY JOURNEY IN PORTS & TERMINALS

CILT Malaysia has played a transformative role in shaping my career journey within the maritime and logistics sector, particularly in Ports & Terminals. As a young professional navigating the complexities of this vital industry, I've had the privilege of engaging with real-world challenges while also being guided by a strong professional network fostered by CILT and its empowering initiatives.

Working in the Ports & Terminal team, I've had the opportunity to analyze and enhance over 9,000 rows of operational data—ranging from vessel sizes and berth usage to terminal operators and port codes. My work involved a mix of SQL, Excel, and secondary research, but more importantly, it required deep critical thinking, collaboration, and strategic attention to data quality. I've also reached out to more than 90 port authorities and terminal operators worldwide to validate facility information, gaining both industry exposure and confidence in cross-border communication.

CILT's support, especially through its Next Generation and WiLAT platforms, has amplified these experiences by offering forums, workshops, and mentorship opportunities that allowed me to engage beyond the data—focusing on industry leadership, innovation, and purpose. These platforms have enabled me to build meaningful networks with maritime professionals, develop competencies in strategic problem-solving, and grow my confidence as a young woman in a traditionally male-dominated sector.

CILT doesn't just create spaces for professional engagement—it nurtures future leaders. Through its continuous guidance, I've not only strengthened my understanding of logistics and supply chain dynamics but also discovered how to lead, communicate, and influence with impact. The exposure to global trends, sustainable practices, and technology-driven solutions has been invaluable in equipping me with the mindset needed to shape the future of ports and terminal operations.

Looking ahead, I believe the synergy between young professionals, industry mentors, and institutions like CILT is key to advancing Malaysia's position in global maritime logistics. Together, we can inspire the next generation to think boldly, lead responsibly, and leave a lasting mark on the logistics landscape—at the docks, at the data desk, and beyond.



**DEENESHA MURUGUN MILT  
WILAT LIASON / SPECIAL TASK**

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Next Generation

## Meet the Team



**DEENESHA MURUGUN**  
MILT

WiLAT Liason / Special Task

### SHORT BIO

Deenesha Murugun is a Data Analyst in the Maritime and Trade department with four years of expertise in ports & terminal logistics. She holds a Master's in Data Science & Analytics & Bachelor's in Management (Maritime). She actively contributes as an engagement board member of WINS Malaysia.

Proficient in Python and R, she has worked on text analysis projects and participated in STEM initiatives like the Galactic Hackathon Innovations 2024. A bronze medalist at Minggu Penyelidikan Inovasi 2019, she developed an automated vending machine to reduce sea garbage, reflecting her passion for innovation in logistics through automation.



# Expert Contributions

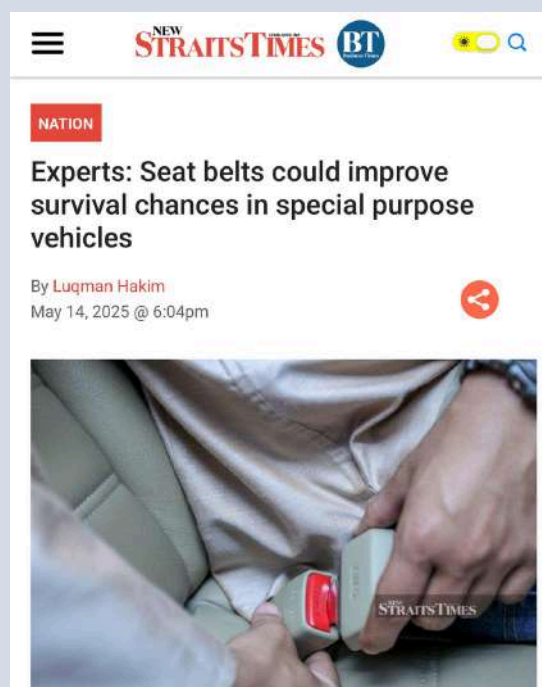
## **NST: Road Safety Must Be as Critical as Combat Readiness – CILT Malaysia President**

Professor Ts. Dr. Muhammad Zaly Shah FCILT, President of The Chartered Institute of Logistics and Transport Malaysia, described the recent tragedy involving nine FRU personnel as preventable. He emphasized that both the haulage company and relevant authorities had opportunities to avert the incident through stricter safety protocols, proper driver vetting, regular vehicle inspections, and adherence to defensive driving practices.

He urged defence and security agencies to treat road safety with the same level of seriousness as combat readiness. Comprehensive investigations must be conducted, findings made public, and accountability upheld—including suspension or revocation of operator licences when warranted.

Dr. Zaly stressed that safety recommendations from investigation reports must be implemented without delay. He further called for long-term reforms that align road safety standards with those of the aviation sector. While dashboard cameras aid investigations, he noted they are not preventative measures.

“Our security personnel are national assets,” he stated. “There must be no compromise on their safety. If seat belts are mandatory for civilians, the same standard must apply universally.”





# Expert Contributions

## **AIDILADHA LOGISTICS: UNSUNG HEROES BEHIND SUPPLY STABILITY**

Hari Raya Aidiladha is one of the most significant celebrations for Muslims around the world. In addition to commemorating the obedience of Prophet Ibrahim (A.S) and Prophet Ismail (A.S) to the command of Allah (SWT), this celebration also highlights the theme of sacrifice as a core value. Typically, this sacrifice is represented through the ritual of Qurban, the offering of livestock and the distribution of meat to those in need. However, the meaning of sacrifice is much broader—it also includes the sacrifices made by workers who contribute indirectly yet significantly to the continuity of daily life, especially during festive seasons.

One such group of often-unsung heroes are lorry drivers, who continue working tirelessly throughout the festive period. They play a crucial role in ensuring the security of food supply, including the transport of fresh produce, groceries, and sacrificial meat across the country. Without their efficient efforts, the food supply chain would be disrupted, potentially affecting the smoothness and joy of the Aidiladha celebrations.

### **Food Security and the Role of the Logistics System**

Food security refers to the ability of consumers to have consistent access to sufficient, safe, and nutritious food. In Malaysia, festive seasons such as Aidiladha often see a spike in demand for food items, including fresh meat, raw ingredients, and other grocery goods. The distribution of these items would not be possible without an efficient logistics sector, especially lorry transport services that link suppliers to storage centres and end-users.

Around 70% to 80% of daily necessities are distributed via road transport, which is primarily operated by small and medium enterprises and dependent on lorry drivers. During festive seasons, their workload increases significantly in tandem with surging market demand. The willingness, patience, and dedication of lorry drivers in carrying out their duties throughout Aidiladha are essential in ensuring there are no disruptions in the food supply chain.

### **The Sacrifices of Lorry Drivers During Aidiladha**

For many Muslims, Hari Raya Aidiladha is a time to reunite with family, enjoy Qurban meals, and visit relatives. However, this is not the reality for many lorry drivers who continue working to ensure that food supplies reach their destinations that sometimes involving long journeys across states. Their sacrifice goes beyond time; it also affects them emotionally, especially those with family responsibilities such as young children or elderly parents.





# Expert Contributions

Such sacrifices deserve appreciation in line with the spirit of Aidiladha, which upholds sincerity, loyalty, and dedication to serving others, even at the expense of personal interests. Lorry drivers are a shining example of how social sacrifice helps guarantee that basic needs are met. They are unsung heroes who safeguard the nation's food supply chain and ensure its resilience and stability.

The role of food logistics is critical in the country's food security strategy. Any disruption in distribution services can lead to serious ripple effects, such as food shortages, social instability, and public anxiety. Therefore, the availability and commitment of lorry drivers are vital to ensuring the well-being of society.

## **Sacrifice and the Value of Work as Worship**

In Islamic tradition, earning a halal livelihood and contributing to the welfare of society is considered an act of worship when done with the right intention. Imam Al-Ghazali emphasised that work which benefits the wider community such as delivering food is not only lawful in Islam but also rewarding if done for the greater good.

The Maqasid al-Shariah (higher objectives of Islamic law) promote five key principles such as the preservation of religion, life, intellect, lineage, and property. The role of lorry drivers clearly aligns with these objectives, particularly in protecting life and property by ensuring timely delivery of food supplies and preventing shortages and economic strain on families. Thus, their sacrifice during festive seasons is not only economic but also implicitly fulfils the objectives of Shariah.

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Hari Raya Aidiladha is not solely about the slaughter of sacrificial animals but it is also about embracing the values of sacrifice in many forms. Lorry drivers who continue working through the festive season demonstrate a powerful form of social sacrifice, ensuring that the people's food supply remains uninterrupted. Their role and contributions can be used as an example as part of the true spirit of Aidiladha.

Author:

Dr. Yusrizal Sufardi Bin Mohd Yunan FCILT  
Vice Chairman CILTM Kedah  
& Perlis Section





# Expert Contributions

## EXPLORATION THE ISSUES OF OVERDEPENDENCE ON IMPORTS IN MALAYSIA'S SUPPLY CHAIN

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### 1.0 Introduction

Malaysia, a rapidly developing Southeast Asian economy, has established itself as a regional manufacturing and trading hub. Despite its industrial growth, Malaysia's supply chain continues to face a structural challenge its significant overdependence on imports. This issue has serious implications for national economic resilience, food and health security, and industrial competitiveness. Overreliance on external sources for raw materials, intermediate goods, food products, and technological components has exposed the Malaysian economy to global disruptions, such as pandemics, geopolitical conflicts, and logistical breakdowns. This discussion explores the root causes, implications, and possible remedies for Malaysia's import dependency in the context of supply chain management.

### 2.0 Causes of Import Dependence

#### 2.1 Industrial Structure and Export Orientation

Malaysia's economic strategy has long been focused on export-led industrialization. The electronics and electrical (E&E) sector, for instance, contributes over 36% of the country's total exports, but it heavily relies on imported intermediate components such as semiconductors and integrated circuits (MATRADE, 2022). Similarly, Malaysia's automotive and machinery sectors import critical parts and raw materials due to a limited domestic base for high-tech manufacturing. The emphasis on assembling and exporting final goods, rather than nurturing full-fledged domestic supply ecosystems, has deepened dependence on foreign suppliers (Lee, 2021).

#### 2.2 Weak Local Supplier Development

While Malaysia has a broad base of small and medium enterprises (SMEs), many lack the capacity, certification, or technological readiness to serve as competitive suppliers for multinational corporations (MNCs). A lack of investment in supplier development and industrial upgrading means that even industries with local production capabilities often prefer foreign inputs due to better quality, consistency, or pricing (MITI, 2020). This weakens supply chain sovereignty and reinforces external dependence.



# Expert Contributions

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### 2.3 Agricultural Import Reliance

Malaysia imports over 60% of its food requirements, including staples such as rice, vegetables, and meat (Department of Statistics Malaysia, 2021). Factors such as declining agricultural productivity, urbanization of arable land, and low adoption of modern farming techniques have diminished the country's ability to produce sufficient food domestically. The result is a fragile food supply chain highly exposed to global price shocks and trade restrictions.

### 3.0 Impacts of Import Overdependence

#### 3.1 Vulnerability to External Shocks

Malaysia's import-reliant supply chains are acutely sensitive to global events. For example, during the COVID-19 pandemic, supply disruptions from China and other key trading partners caused production halts in several Malaysian industries, especially electronics, automotive, and construction (Yusof & Khalid, 2021). Similarly, the Russia-Ukraine conflict and Red Sea shipping disruptions have driven up logistics costs and delayed shipments, affecting food and energy imports.

#### 3.2 Supply Chain Disruptions and Delays

Port congestions, international freight volatility, and container shortages all disproportionately affect countries that rely on imported inputs. Malaysian firms face higher lead times and uncertain delivery schedules, which hamper their ability to fulfill just-in-time production or export orders. According to the World Bank Logistics Performance Index, Malaysia ranks below global leaders in terms of customs efficiency and international shipments, partly due to the pressure placed on import infrastructure (World Bank, 2023).

#### 3.3 Food and Health Security Risks

Overdependence on imported food and medical supplies can jeopardize national security in times of crisis. The early months of the COVID-19 pandemic exposed Malaysia's limited local capacity for producing personal protective equipment (PPE), ventilators, and vaccines. Although some industries adapted quickly, the initial reliance on external sources led to bottlenecks in healthcare delivery (Kaur, 2020). Similarly, food import dependency leaves Malaysia vulnerable to currency depreciation and inflationary pressures, as seen during the global food price spikes of 2022–2023.





# Expert Contributions

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### 3.4 Trade Imbalances and Currency Exposure

Persistent reliance on imports contributes to trade deficits in key sectors and exposes the Malaysian Ringgit to external currency pressures. A weaker domestic currency raises the cost of imports, fueling inflation and affecting business competitiveness. Over time, this can erode macroeconomic stability and reduce Malaysia's attractiveness as a manufacturing base.

### 4.0 Strategies for Reducing Import Dependence

#### 4.1 Local Supplier Development and Industrial Deepening

Malaysia needs to invest in developing strong, competitive local suppliers, especially in strategic sectors such as electronics, machinery, pharmaceuticals, and agriculture. Programs such as the Industry4WRD initiative and the Vendor Development Programme (VDP) are steps in the right direction but require greater coordination, funding, and alignment with private sector needs (MITI, 2020). Enhanced access to technology transfer, R&D incentives, and SME financing are crucial for expanding domestic capabilities.

#### 4.2 Agricultural Revitalization and Food Sovereignty

Boosting local food production is essential for long-term supply chain resilience. This involves modernizing farming practices through mechanization, digitization (smart farming), and agro-tech innovation. The government's Food Security Policy Action Plan (2021-2025) outlines a strategy to increase domestic output of rice, fruits, and livestock, but implementation remains uneven. Additionally, reducing dependence on imported fertilizers and feedstock is essential to closing the loop.

#### 4.3 Strategic Stockpiling and Import Substitution

To mitigate short-term shocks, Malaysia should maintain strategic reserves of essential commodities, including food, medicine, and industrial inputs. In parallel, targeted import substitution policies can encourage domestic production of high-priority items such as semiconductors, active pharmaceutical ingredients (APIs), and green technologies. However, such policies must avoid inefficiency and protectionism by ensuring quality and competitiveness.



# Expert Contributions

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### 4.4 Regional Integration and Supply Chain Diversification

While reducing import dependence is necessary, complete self-sufficiency is neither realistic nor efficient. Malaysia can benefit from integrating into resilient regional supply chains through ASEAN, the Regional Comprehensive Economic Partnership (RCEP), and bilateral trade agreements. Diversifying import sources beyond a few countries can help reduce the concentration risk and improve flexibility.

### 3.0 Conclusion

Malaysia's overdependence on imports in its supply chain represents a complex, systemic issue with deep structural and policy roots. While global integration has brought economic growth, it has also created fragility in the face of external shocks. The path forward lies in a balanced strategy that enhances domestic capabilities, fosters strategic autonomy in key sectors, and integrates smartly into regional and global value chains. Addressing this challenge will not only improve Malaysia's economic resilience but also strengthen its long-term competitiveness in a volatile world. Therefore, Malaysia's overdependence on imports across various sectors—particularly in food, manufacturing, and raw materials—poses significant risks to its economic resilience, supply chain continuity, and national security. While global integration and trade liberalization have enabled Malaysia to thrive as a regional export hub, this has come at the cost of supply chain autonomy. The COVID-19 pandemic, geopolitical tensions, and global price shocks have all revealed the fragility of such an import-reliant system. To address these challenges, Malaysia must strike a careful balance between maintaining global trade competitiveness and strengthening local capacities. Strategic interventions in local supplier development, agricultural revitalization, and diversification of import sources are essential for enhancing supply chain resilience in the face of an increasingly volatile global environment. Only by reducing critical vulnerabilities can Malaysia build a more self-reliant, sustainable, and inclusive economic future.





# Expert Contributions

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# Expert Contributions

## Transport Regulations: Implementation Challenges in Sabah

Malaysia's transportation laws, anchored by statutes such as the Road Transport Act 1987 and the Land Public Transport Act 2010, aim to ensure safety, efficiency, and equitable access across the nation. However, the implementation of these laws in Sabah reveals a stark contrast between federal frameworks and on-ground realities. The state's unique geographical, economic, and infrastructural conditions amplify systemic weaknesses, creating a complex web of challenges that undermine legal compliance, public safety, and economic growth.

### The Legislative Framework and Its Regional Disparities

Malaysia's transportation legislation is designed to be uniformly applicable across all states, including Sabah. Laws governing road safety, vehicle standards, and public transport licensing are enforced by federal bodies such as the Road Transport Department (JPJ) and the Commercial Vehicles Licensing Board (CVLB). Yet, Sabah's distinct topography-spanning dense rainforests, mountainous terrain, and scattered rural communities-complicates adherence to national standards. For instance, the Road Transport Act's requirements for regular vehicle inspections are inconsistently enforced in remote areas, where access to JPJ facilities is limited. This disparity is compounded by Sabah's reliance on ageing vehicle fleets, particularly in rural regions, where financial constraints often prioritise affordability over compliance.

### Infrastructure Deficiencies and Compliance Barriers

Sabah's infrastructure gaps are among the most severe in Malaysia, directly contravening the objectives of national transport policies. The Pan Borneo Highway, touted as a transformative project for East Malaysia, remains plagued by delays, with Phase 1 now projected for completion by 2029. These delays, mainly due to land acquisition and utility relocation issues, perpetuate reliance on dilapidated roads, which are ill-equipped to handle heavy freight traffic or monsoon seasons. Potholes, insufficient drainage, and collapsing road shoulders are ubiquitous, contributing to accidents such as the 2025 Lido tragedy, where a motorcyclist died after hitting a waterlogged pothole. Poor road conditions make it difficult for vehicles to remain roadworthy, directly undermining compliance with safety regulations.

The economic repercussions are profound. Sabah's logistics costs are estimated to be around 30% higher than the national average due to detours, vehicle damage, and delays in cargo movement. This figure is based on industry estimates and may vary depending on the specific sector and region. The state's agricultural and tourism sectors, which contribute significantly to its GDP, suffer from unreliable transport networks. Perishable goods from Sabah's interior often spoil before reaching ports, while tourists face hour-long delays on routes like the Tamparuli-Ranau road. These inefficiencies deter investment, stifling Sabah's potential to transition from a resource-based economy to a diversified industrial hub.





# Expert Contributions

## Enforcement Hurdles and Systemic Non-Compliance

Enforcement of transportation laws in Sabah is hindered by logistical and resource constraints. JPJ operations are concentrated in urban centres like Kota Kinabalu, leaving vast rural areas under-policed. During peak travel periods, such as festive seasons, Sabah JPJ deploys mobile units and undercover officers to monitor compliance. However, these efforts are reactive and fail to address chronic issues like overloaded lorries or unlicensed drivers.

A persistent challenge is the regulation of heavy vehicles. Despite federal laws mandating load limits and periodic inspections, overloaded lorries routinely damage Sabah's roads. The state's reliance on road transport for over 95% of its cargo exacerbates this issue, with enforcement agencies struggling to balance economic needs against infrastructure preservation. Proposed solutions, such as the "2Ps Strategy" (monitoring logistics companies and penalising overloading), have seen limited success due to corruption and weak oversight.

Common traffic offences—including driving without a valid licence, expired road tax, and lack of insurance—are widespread. Commercial vehicles often operate without vocational licences, reflecting both awareness gaps and difficulties in accessing licensing services, particularly in rural areas. While enforcement campaigns like roadblocks and festive season crackdowns yield temporary improvements, systemic non-compliance persists due to limited manpower and year-round enforcement capacity.

## Public Transport Collapse and Social Inequity

Kota Kinabalu's public transport system exemplifies the collapse of legal frameworks in practice. Despite federal guidelines promoting integrated transit networks, the city relies on informal minibus services and unregulated e-hailing operators. The 2025 Death of Public Transport in Kota Kinabalu study highlights how decades of policy neglect have eroded formal bus services, leaving only 3% of residents using public transport. This failure disproportionately affects low-income communities, who spend up to 40% of their income on private transport.

Proposed reforms, such as the Bus Rapid Transit (BRT) system and the Kota Kinabalu Integrated Public Transport Terminal, remain unimplemented due to bureaucratic inertia and funding misallocation. In contrast, road-widening projects receive priority, perpetuating a cycle of car dependency and congestion. The absence of enforceable standards for minibus operators further compounds safety risks, with many vehicles operating without valid permits or insurance.



# Expert Contributions

## Funding Shortfalls and Governance Fragmentation

Sabah's transportation woes are inextricably linked to chronic underfunding. The state's 2025 budget allocated RM424 million for road upgrades-less than a quarter of the RM1.8 billion required for basic repairs. This shortfall forces Sabah to rely on federal grants, which are often delayed or earmarked for politically expedient projects. Maintenance responsibilities, outsourced to concessionaires, suffer from poor accountability, with contractors frequently accused of substandard repairs.

The Sapangar Bay Container Port expansion illustrates this funding-implementation gap. While the port's capacity is set to increase to 1.25 million TEUs by 2025, its potential as a regional transshipment hub is undermined by inadequate road and rail connections. Federal-state disputes over funding allocation further stall critical projects, leaving Sabah's infrastructure fragmented and inefficient.

## Towards Integrated Solutions: Accountability and Investment

Addressing Sabah's transportation challenges requires a paradigm shift from ad hoc fixes to integrated planning. The proposed Sabah Transport Masterplan (STM), aligned with the National Transport Policy 2019–2030, advocates for a multimodal approach combining road, rail, air, and maritime networks. Key recommendations include:

- Reviving Rail Networks: Upgrading the North Borneo Railway to connect industrial zones with ports, reducing freight dependency on roads.
- Smart Mobility Integration: Implementing real-time traffic management and digital ticketing systems to enhance public transport efficiency.
- Strengthening Governance: Establishing the Kota Kinabalu Urban Mobility Authority (KKUMA) to centralise planning and enforcement, ending jurisdictional overlaps between federal and state agencies.

Community engagement is equally critical. The Lido pothole protests, where residents marked hazards with white paint, underscore the public's demand for participatory governance. Lessons from Singapore's MRT and Bangkok's BRT systems demonstrate that inclusive policymaking-incorporating grassroots feedback-can yield sustainable solutions.





# Expert Contributions

## **The Case for Urgent Government Action**

The people of Sabah, especially those who rely on the Tamparuli-Ranau route for work, education, tourism, and basic mobility, deserve better. For decades, the region has endured perennial traffic congestion, unsafe roads, and unreliable public transport. The frustration voiced by Sabahans—families stranded for hours, bus passengers forced to disembark mid-journey, and businesses losing productivity—reflects a long-ignored crisis. The government's pattern of offering temporary solutions, such as deploying traffic police during festive seasons or issuing vague promises of future upgrades, is no longer acceptable.

What is needed is not another committee or press statement, but a Special Task Force for Road Congestion and Transport Infrastructure, established under the Chief Minister's Office and coordinated with federal ministries. This task force must be mandated to conduct a comprehensive transport audit, design a phased infrastructure development plan, coordinate federal funding, engage civil society, and ensure public accountability through transparent reporting.

## **A Call to Heed Sabah's Plight**

Sabah's transportation challenges are a microcosm of Malaysia's broader struggle to reconcile national legislation with regional realities. While federal laws provide a robust framework, their implementation in Sabah is undermined by infrastructural neglect, funding inequities, and governance fragmentation. The state's path to prosperity hinges on transcending tokenistic projects and embracing holistic reforms. By prioritising integrated masterplans, stringent enforcement, and community-led initiatives, Sabah can transform its transportation system from a bottleneck into a catalyst for inclusive growth. The stakes extend beyond economics: as safe and accessible transport is a fundamental right, not a privilege.

The federal and state governments must now act decisively. The time for promises and piecemeal interventions has passed—what Sabah needs is sustained, transparent, and adequately funded action, with the political will to see it through to completion. Only then can Sabah's people and economy realise their full potential, and Malaysia as a whole move closer to genuine national unity and shared prosperity.

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# Expert Contributions

## Empowerment, Diversity, and Inclusion in the Logistics Industry

The logistics industry serves as the backbone of the global economy by facilitating the efficient movement of goods through complex, multinational supply chains. As global markets evolve and customer demands increase, logistics companies face growing pressure to adapt, innovate, and remain resilient. Empowerment, Diversity, and Inclusion (EDI) have become key drivers of organizational strength and long-term success in this dynamic environment. EDI not only improves employee engagement but also promotes agility, innovation, and access to a wider talent pool.

Traditionally, logistics has been dominated by a mostly male and aging workforce, with limited representation of women and minority groups. This lack of diversity has resulted in a relatively uniform workplace culture, which can limit adaptability and innovation. Today, the sector faces significant challenges such as labour shortages and skill gaps, especially in technology-related areas. As global supply chains become more complex, incorporating diverse perspectives and inclusive practices becomes essential.

Empowerment in logistics means providing individuals whether drivers, warehouse staff, or planners with the tools, confidence, and autonomy to contribute meaningfully. It involves creating environments where employees feel heard, valued, and able to influence decisions. Effective empowerment strategies include targeted training, leadership development, and fair access to technology. Empowered employees are typically more engaged, productive, and better able to respond to operational challenges.

Diversity in logistics covers various aspects such as gender, ethnicity, age, cultural background, and more. Embracing this diversity improves team performance by bringing in a wider range of ideas and problem-solving methods. It also helps companies better understand and meet the needs of global markets. Diverse teams often show stronger collaboration, higher job satisfaction, and improved retention factors that directly boost organizational success.

Inclusion, which is different from diversity, focuses on creating a culture where everyone feels respected, supported, and able to thrive. Inclusive workplaces ensure equal access to growth opportunities and foster a sense of belonging for all employees. Key practices include inclusive leadership, respectful communication, flexible work arrangements, employee resource groups, and strong anti-discrimination policies. Prioritizing inclusion strengthens teamwork, improves morale, and enhances overall performance. By embedding EDI into their operations, logistics companies can build more innovative, resilient, and future-ready organizations capable of meeting the evolving demands of a global economy.

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