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COVER STORY

UNIMY TECH TALK

Highlights Urgency of Cybersecurity Preparedness in the Quantum Era

Driving the Future: UNIMY Students Experience Autonomous Mobility at e-Moovit Technology

UNIMY Strengthens Global Engagement through Participation in ITS Internationalization and Staff Mobility Programme

UNIMY tech byte

UNIMY Successfully Completes EAC Accreditation Visit for Bachelor of Computer Engineering Programme (Honours)

Understanding MBOT: Strengthening Malaysia's Technology and Technical Professions

A monthly e-Newsletter of the University Malaysia of Computer Science & Engineering

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UNIMY
UNIVERSITY MALAYSIA OF COMPUTER SCIENCE & ENGINEERING

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From the Editor's Desk

Prof. Dr. Vikneswaran Nair
Editor & Deputy Vice Chancellor, UNIMY

As this issue goes to press, one message resonates strongly across the stories featured in this edition: **higher education can no longer operate within conventional boundaries if it intends to remain relevant in a rapidly transforming digital society.** Across academia, industry, governance, and global partnerships, institutions are now being challenged not merely to respond to technological disruption, but to anticipate and shape it.

This issue highlights how UNIMY continues to position itself within this evolving landscape through a combination of **industry engagement, international collaboration, professional accreditation, and future-oriented learning initiatives.**

The headline feature on the **Tech Talk: Cybersecurity in the Quantum Era** reflects one of the most pressing concerns facing governments, financial systems, and digital economies worldwide. The discussions on quantum computing, post-quantum cryptography, and cyber resilience remind us that technological advancement is never neutral. While innovation creates enormous opportunities, it simultaneously introduces new vulnerabilities that demand preparedness, governance, and strategic foresight. The collaboration between UNIMY and i-Sprint Innovations further demonstrates the growing importance of **industry-academia partnerships in developing practical solutions and future-ready talent pipelines.**

Equally important are the stories that demonstrate learning beyond the classroom. The student engagement at e-Moovit Technology, exposure to autonomous mobility systems, and participation in international mobility programmes in Indonesia illustrate the importance of **experiential and globally connected education.** Technology education today must extend beyond technical competencies alone. It must also cultivate adaptability, intercultural understanding, ethical awareness, and problem-solving capabilities within real-world environments.

This issue also reflects UNIMY's growing emphasis on strengthening internationalisation and professional relevance. Strategic collaborations with institutions and organisations in India and Indonesia, alongside engagement with MBOT and participation in regional education initiatives, reinforce the university's commitment towards building graduates who are both globally competitive and industry aligned.

Another important milestone featured in this edition is the successful completion of the EAC accreditation visit for the Bachelor of Computer Engineering programme. Accreditation exercises are often demanding processes, yet they remain essential in ensuring continuous quality improvement, accountability, and professional standards within higher education.

Collectively, the stories in this issue reflect a university ecosystem that is increasingly interconnected with industry, society, and global technological shifts. The challenge of moving forward is not simply to keep pace with change, but to ensure that innovation remains purposeful, ethical, inclusive, and sustainable.

UNIMY Tech Talk Highlights Urgency of Cybersecurity Preparedness in the Quantum Era

Prof. Dr. Vikneswaran Nair
Editor & Deputy Vice Chancellor, UNIMY

UNIMY, in collaboration with i-Sprint Innovations, successfully organised the "Tech Talk: Cybersecurity in the Quantum Era" on 20 May 2026 at Menara BAC, bringing together industry experts, cybersecurity practitioners, academics, technology partners, and students to discuss one of the most significant emerging technological challenges facing the global digital ecosystem.

The half day event focused on the growing implications of quantum computing on existing cybersecurity systems and highlighted the urgent need for organisations and nations to begin preparing for a future where current cryptographic protections may no longer remain secure. The programme featured distinguished speakers including Ts. Wan Roshaimi Wan Abdullah, Chief Technology Officer of CyberSecurity Malaysia, Mr. Albert Ching, Vice Chairman and CTO of i-Sprint Innovations, and Mr. Poh Soon Teo, Director of Utimaco IS Pte Ltd. The panel discussion and Q&A session were moderated by Mr. Thillai Raj Ramanathan, Professor of Practice at UNIMY and CTO of BAC Education.

Throughout the session, speakers explained how quantum computing is expected to fundamentally transform the speed and capability of computing systems. While quantum technologies present enormous

Memorandum of Understanding (MOU) exchange between UNIMY and i-Sprint Innovations.

opportunities in areas such as artificial intelligence, optimisation, healthcare, and scientific research, they also introduce major cybersecurity risks. Existing public key cryptographic systems including RSA and elliptic curve cryptography, which currently secure banking systems, digital authentication, government networks, online communications, and cloud infrastructure may eventually become vulnerable once sufficiently advanced quantum computers emerge.

A major concern highlighted during the discussions was the increasing "Harvest Now, Decrypt Later" threat. This refers to the practice where malicious actors collect encrypted information today with the intention of decrypting it in the future once quantum computing capabilities mature. The speakers stressed that sensitive data involving finance, healthcare, defence, intellectual property, and government records may therefore face long term exposure risks if organisations delay preparations towards quantum safe security systems.

The speakers also emphasised the importance of Post Quantum Cryptography (PQC) migration strategies and crypto agility. Organisations were encouraged to begin identifying existing cryptographic assets, reviewing system vulnerabilities, and preparing, migration roadmaps that would allow future cryptographic upgrades without requiring complete infrastructure replacement. Hybrid cryptographic approaches combining classical and quantum safe algorithms were discussed as practical transitional strategies to support operational continuity during the migration process.

One of the key highlights of the event was the Memorandum of Understanding (MOU) exchange ceremony between UNIMY and i-Sprint Innovations. The collaboration aims to strengthen industry academia partnerships in post quantum cybersecurity research, awareness, talent development, and applied innovation through initiatives such as the proposed PQC App Migration Lab ecosystem.

The event also featured exhibition booths by i-Sprint Innovations, MSC Trustgate, and CyberDSA, providing participants with opportunities to engage directly with industry technologies and cybersecurity solutions.

The Tech Talk reinforced UNIMY's commitment towards advancing future ready education, industry collaboration, and technological leadership in emerging areas such as cybersecurity, artificial intelligence, and digital resilience. The programme also reflected the growing importance of preparing both industry and academia for the operational and strategic implications associated with the quantum computing era.

PQC Migration: Securing Your Applications for the Quantum Era

Albert Ching
Vice Chairman and Chief Technology Officer of i-Sprint Innovations

The emergence of quantum computing is creating a major shift in global cybersecurity, particularly in the area of cryptographic protection. Current public key cryptographic systems such as RSA, ECC, and Diffie Hellman are mathematically vulnerable to quantum attacks through Shor's Algorithm, where sufficiently advanced quantum computers could potentially break these systems within hours rather than centuries. This creates serious long-term risks for organisations managing sensitive information including financial transactions, healthcare records, intellectual property, trade secrets, and government data. The growing "Harvest Now, Decrypt Later" threat is especially concerning, as adversaries are already collecting encrypted information today with the intention of decrypting it once quantum computing capabilities mature.

One of the major concerns surrounding Post Quantum Cryptography (PQC) migration lies at the application layer rather than the network layer. Applications directly manage sensitive data, business processes, APIs, databases, and encryption workflows. Unlike network infrastructure that can often be upgraded through firmware updates or hardware replacement, application level cryptographic migration requires code modifications, integration adjustments, regression testing, governance coordination, and long-term operational planning. Legacy systems present even greater difficulties due to embedded cryptographic dependencies and outdated architectures that were never designed for quantum resilience. As a result, many organisations underestimate the scale and complexity of migration efforts required at the application level.

The global regulatory environment surrounding PQC adoption is also evolving rapidly. International standards bodies and governments including NIST, the NSA, the European Union, Canada, Singapore, South Korea, and Japan are already establishing migration timelines, policy frameworks, and compliance expectations for quantum safe cryptographic systems. These developments demonstrate that organisations can no longer adopt a reactive approach towards quantum security. Instead, there is a growing need to build crypto agility into organisational systems and cybersecurity architecture. Crypto agility allows organisations to modify or replace cryptographic algorithms without requiring complete redesign of systems and applications, enabling organisations to respond more effectively as cryptographic standards and threat environments continue evolving.

A structured four phase migration framework consisting of preparation, assessment and prioritisation, planning and execution, as well as continuous monitoring and evaluation provides a systematic

pathway towards quantum safe environments. A critical starting point is cryptographic discovery, where organisations identify and invent all cryptographic assets, applications, systems, and dependencies across their operational ecosystem. Without a complete understanding of existing cryptographic exposure, organisations will face significant challenges in prioritising vulnerabilities and implementing effective migration strategies. Hybrid cryptographic approaches combining classical and quantum safe algorithms were also discussed as practical transitional mechanisms to reduce migration risks while maintaining operational continuity.

The collaboration between i-Sprint Innovations and UNIMY aims to strengthen awareness, applied research, talent development, and hands on experimentation in post quantum cybersecurity through the establishment of a PQC App Migration Lab and training ecosystem. The initiative supports stronger collaboration between academia and industry while helping organisations prepare for the operational, technical, and governance challenges associated with the transition towards quantum safe security systems.

In short, the transition towards quantum safe security is no longer optional, and organisations that prepare early through strategic planning, crypto agility, and collaborative innovation will be far better positioned to navigate the coming cybersecurity transformation.

Preparing for Quantum CyberSecurity Era

Poh Soon Teo
Director at Utimaco IS Pte Ltd.

Quantum computing is expected to become one of the most disruptive forces affecting global cybersecurity systems within the coming decade. Current asymmetric cryptographic systems such as RSA and elliptic curve cryptography, which form the backbone of digital authentication, secure communication, online banking, and firmware verification, are projected to become vulnerable once sufficiently scalable quantum computers emerge. Current industry estimates suggest that cryptanalytical relevant quantum computing capabilities may materialise by 2030, creating urgent concerns regarding long-term data security and digital trust systems.

One of the most critical risks associated with this transition is the “store now, decrypt later” threat. Sensitive encrypted information intercepted today may remain protected in the short term but

could eventually be decrypted in the future using quantum computing capabilities. This creates major implications for sectors managing confidential long-term data such as finance, healthcare, government administration, defence, and critical national infrastructure. In addition, quantum computing also threatens the reliability of digital signatures, identity authentication systems, and firmware signing processes, potentially allowing malicious actors to impersonate users, forge signatures, or distribute compromised software updates.

Public Key Infrastructure (PKI) has emerged as one of the most urgent areas requiring migration towards post quantum cryptography (PQC). Organisations are increasingly recognising that existing cryptographic frameworks supporting encryption, authentication, and secure communication require immediate review and restructuring. Findings from the 2025 Utimaco PQC Readiness Survey indicated that more than half of surveyed organisations are either currently implementing PQC migration initiatives or planning to begin within the next one to three years. This reflects growing industry awareness that delayed preparation may expose organisations to significant operational, financial, and reputational risks.

Legacy systems remain one of the largest barriers in the migration process. Many organisations continue to operate on ageing infrastructures that were not designed with crypto agility in mind. Other major concerns include uncertainty regarding future algorithm selection, limited visibility over existing cryptographic assets, high implementation costs, and shortages of internal expertise. Addressing these challenges requires organisations to conduct comprehensive crypto inventories, prioritise critical systems, perform risk analyses, and evaluate the long-term confidentiality requirements of their data and digital services.

Hybrid cryptography is increasingly being viewed as the most practical transition strategy. Rather than immediately abandoning classical cryptographic systems, organisations are combining existing encryption approaches with PQC algorithms to create layered security environments while gradually adapting their infrastructure. The concept of crypto agility was strongly emphasised, highlighting the need for systems capable of rapidly adapting to future cryptographic standards without requiring complete infrastructure replacement. Nearly two-thirds of surveyed organisations indicated intentions to adopt hybrid approaches as part of their quantum readiness strategy.

Global standardisation efforts led by the National Institute of Standards and Technology (NIST) are also shaping the future direction of PQC implementation. Algorithms such as ML-KEM, ML-DSA, and SLH-DSA have already become central reference points for organisations preparing for quantum-safe migration. At the same time, additional algorithms continue to undergo interoperability testing and standardisation assessment to strengthen long-term cryptographic resilience across different use cases and operational environments.

Preparing for the quantum cybersecurity era therefore requires a coordinated organisational strategy involving executive leadership, cybersecurity teams, infrastructure specialists, software developers, legal units, and external vendors. Quantum readiness is no longer a theoretical issue associated with future technologies, but an immediate strategic concern directly linked to digital resilience, operational continuity, and long-term cybersecurity sustainability.

Cybersecurity in the Quantum Era

Ts. Wan Roshaimi Wan Abdullah
Adjunct Professor (Practice), UNIMY
Chief Technology Officer,
CyberSecurity Malaysia

Quantum computing is no longer a distant scientific concept confined to research laboratories. It is emerging as a strategic technological force capable of transforming computation, communications, artificial intelligence, national security, and cybersecurity. At the same time, it introduces a new category of risks that could fundamentally disrupt the cryptographic foundations protecting today's digital systems. As societies become increasingly dependent on interconnected digital infrastructure, the urgency to strengthen cyber resilience against future quantum threats has become unavoidable.

Currently, approximately 73% of the global population uses the Internet, while Malaysia records one of the highest Internet penetration rates in the world at 98%. This level of connectivity has accelerated digital transformation across government services, financial systems, healthcare, education, transportation, and national critical infrastructure. However, the same interconnected environment also expands the attack surface for cyber threats. Emerging technologies such as artificial intelligence, cloud computing, blockchain, and quantum computing are creating both opportunities and vulnerabilities simultaneously.

Quantum technology itself encompasses multiple domains including quantum computing, quantum cryptography, and post-quantum cryptography (PQC). Quantum computing utilises qubits that can process information significantly faster than classical computers for certain complex tasks. While this offers substantial advantages in scientific research, optimisation, and machine learning, it also threatens the security of existing cryptographic algorithms currently used worldwide.

Most modern cybersecurity systems rely heavily on cryptographic algorithms such as RSA and Elliptic Curve Cryptography (ECC). These algorithms secure digital payments, HTTPS websites, email encryption, VPNs, authentication systems, blockchain technologies, and secure communications. Their security depends on mathematical problems that are computationally difficult for classical computers to solve. However, quantum computers running Shor's Algorithm could potentially break RSA and ECC efficiently, rendering many existing encryption systems obsolete.

One of the most concerning threats is known as "Harvest Now, Decrypt Later." In this scenario, malicious actors collect and store encrypted data today with the intention of decrypting it once

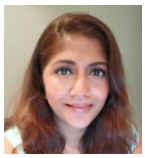
sufficiently powerful quantum computers become available in the future. This creates serious long-term risks for government records, defence systems, healthcare data, banking information, and national critical information infrastructure. Sensitive information that appears secure today may eventually become exposed.

Recognising these risks, Malaysia has initiated a national Post-Quantum Cryptography Migration Programme aimed at preparing the country for the quantum era. The strategy focuses on transitioning existing cryptographic systems towards quantum-resistant algorithms aligned with international standards such as NIST, ISO, and ETSI. Importantly, PQC solutions are already available and can operate on current digital infrastructure without requiring quantum computers themselves.

Malaysia's migration strategy is structured into five phases between 2026 and 2030. The preparation phase involves assessing current cryptographic systems and identifying vulnerabilities. This is followed by algorithm selection, validation and pilot testing, implementation across priority sectors, and finally continuous monitoring and resilience enhancement. The migration effort involves agencies such as NACSA, PTPKM, NCII entities, ministries, industry, and academia, reflecting the national-scale coordination required for cyber resilience.

The transition towards post-quantum cybersecurity is not merely a technical upgrade but a strategic national necessity. The cost of delaying migration may eventually become far greater than the investment required for early preparation. Quantum computing will continue advancing regardless of institutional readiness. Therefore, organisations and nations that begin preparing today are more likely to remain trusted, resilient, and secure in the digital economy of the future.

Driving the Future: UNIMY Students Experience Autonomous Mobility at e-Moovit Technology



Kasturi Devi
Manager, Data & Record Management, UNIMY

Students from UNIMY recently stepped beyond the classroom and into the fast-evolving world of autonomous mobility during an industry field visit to e-Moovit Technology on 28 April 2026. The visit formed part of UNIMY's continuous efforts to strengthen experiential learning and expose students to emerging technologies shaping the future of transportation and smart cities. A group of 30 students had the opportunity to observe how artificial intelligence, robotics, computer vision, IoT, and embedded systems are integrated into real-world autonomous vehicle operations.

The visit began with a welcoming session by the e-Moovit team, followed by an introduction to the company's role in developing autonomous driving technologies within Malaysia's urban mobility ecosystem. Students were then introduced to the concept of vehicle-agnostic autonomous systems, where the intelligence of the vehicle is driven primarily through software that can operate across multiple platforms, including autonomous buses, electric shuttles, and people movers.

One of the key highlights of the visit was the technical sharing session on autonomous driving technology and smart mobility solutions. Students gained valuable insights into how e-Moovit applies sensor redundancy to improve safety and operational reliability. The company also demonstrated how its systems perform on-vehicle decision-making to minimise latency

and reduce cybersecurity risks associated with cloud-dependent operations.

Beyond the technical aspects, the visit also provided students with a clearer understanding of the practical realities involved in deploying autonomous vehicles within real urban environments. Discussions covered operational monitoring, fleet management systems, battery performance tracking, and the ethical and safety responsibilities associated with autonomous transportation systems.

Throughout the engagement, students demonstrated strong enthusiasm and curiosity, particularly during the interactive question-and-answer session with industry professionals. Questions raised reflected growing student interest in autonomous systems, AI applications, deployment challenges, and future career opportunities within the technology sector.

The field trip also reinforced the importance of stronger collaboration between academia and industry. For UNIMY, such engagements provide valuable opportunities to align academic learning with current industry developments while supporting internship pathways, industry networking, and quality experiential learning initiatives.

While time limitations restricted deeper hands-on interaction with the technologies, the visit nevertheless provided meaningful exposure to one of the most rapidly advancing areas in digital transformation and intelligent mobility.

As autonomous mobility and smart transportation continue to evolve globally, initiatives such as this demonstrate UNIMY's commitment to preparing students not only to understand emerging technologies, but also to contribute meaningfully to the future digital economy.

BACE/UNIMY Signs Strategic MOU with EduSkills Foundation India

Dr. Lina Tio
Director of International Marketing

BAC Education Group (BACE) and UNIMY recently formalised a strategic partnership with EduSkills Foundation, India through the signing of a Memorandum of Understanding (MOU) aimed at strengthening collaboration in digital skills development, academic engagement, and global talent mobility.

The MOU was signed with EduSkills Foundation, a leading non-profit organisation from India focused on developing a digitally skilled workforce for the Industry 4.0 era through strong collaboration with institutions, industry players, and government agencies. The EduSkills delegation was led by Mr Shubhajit Jagadev, Founder & CEO of EduSkills Foundation.

The collaboration reflects a shared commitment towards preparing future-ready graduates equipped with industry-relevant competencies, particularly in emerging areas linked to technology, innovation, and digital transformation. Under partnership, both parties will explore initiatives involving student immersion programmes, institutional engagement activities, academic exchanges, and participation in international education platforms.

Among the key initiatives outlined under the collaboration include participation in the Global Education Summit 2026, campus visits involving academic leaders from India, and customised academic and skills development programmes for students and faculty members.

The partnership also reinforces UNIMY's broader direction of strengthening internationalisation efforts and expanding strategic collaborations that bridge academia, technology, and industry. As higher education continues to evolve rapidly under the pressures of digital transformation and AI-driven economies, such partnerships are becoming increasingly important in ensuring graduates remain globally relevant, adaptive, and industry-ready.

The signing ceremony marks the beginning of what both parties hope will become a meaningful long-term collaboration contributing towards education innovation, knowledge exchange, and regional human capital development between Malaysia and India.

Understanding MBOT: Strengthening Malaysia's Technology and Technical Professions

Devakumar Robert William
Senior Executive

Malaysia Board of Technologists (MBOT) recently visited UNIMY for an engagement session aimed at strengthening awareness on professional certification, competency standards, and industry pathways for technology graduates and practitioners.

The session provided valuable insights into MBOT's expanding role as the statutory body established under Act 768 to elevate the standing, visibility, and recognition of the technology and technical professions in Malaysia. Beyond professional registration, MBOT plays a critical role in governing professional ethics and conduct, accrediting programmes through competency-based standards, and aligning professional practice with industry expectations.

MBOT led by Ms. Auni Batrisya, Assistant Director (Admin. & Corporate Unit) and UNIMY team

One of the key discussions focused on MBOT's Technology and Technical Accreditation Council (TTAC), which emphasises professional and technical competencies beyond conventional

academic quality assurance. This approach ensures that graduates are industry-ready and aligned with evolving technological demands.

The engagement also highlighted Malaysia's growing international presence through MBOT. In 2024, MBOT became a Full Signatory of the Seoul Accord, and beginning in 2026, MBOT will serve as the Secretariat of the Seoul Accord. This development strengthens international recognition for MBOT-accredited programmes in areas such as Information Technology, Cyber Security, and Creative Multimedia across member countries including the USA, UK, Australia, and Japan.

MBOT representatives also shared the professional progression pathways available to graduates and diploma holders. Degree holders may advance from Graduate Technologist (GT) to Professional Technologist (Ts.), while diploma and certificate holders may progress from Qualified Technician (QT) to Certified Technician (Tc.). Importantly, both Ts. and Tc. professionals hold legal authority to approve and certify technology and technical services respectively.

The discussion further emphasised the increasing regulatory importance of MBOT registration in sectors involving cybersecurity, telecommunications, broadcast systems, and energy management. Several agencies and regulatory bodies now require the involvement of registered technologists and technicians in technical approvals and compliance matters.

Another important takeaway from the session was the emphasis on lifelong learning and Continuous Professional Development (CPD). MBOT certification requires active maintenance through ongoing professional development activities to ensure practitioners remain current with emerging technologies and evolving industry standards.

The visit reflects UNIMY's ongoing commitment to strengthening industry relevance, professional recognition, and global mobility opportunities for its students and graduates. As Malaysia continues advancing towards a technology-driven economy, closer collaboration between universities, professional bodies, and industry stakeholders will remain essential in developing competent and future-ready technology professionals.

Malaysia's Financial Sector Strengthens Focus on Cyber Resilience

Murugason R. Thangaratnam
CEO and Co-Founder, Novem CS, Malaysia
Adjunct Professor, UNIMY

Panelist (from left): Murugason R. Thangaratnam - Adjunct Professor at UNIMY & CEO, Novem, Aishah Farha Mohd Raih - Chief Information Security Officer (CISO), Permodalan Nasional Berhad (PNB), Azrul Aziz- Head of Industry Engagement & Collaboration, CyberSecurity Malaysia, Urmez Daver - Lead Partner, Cybersecurity Service Line

Malaysia's financial ecosystem took an important step towards strengthening cyber resilience during the inaugural Stockbroking Trade Fair 2026 organised by Bursa Malaysia at Exchange Square, Kuala Lumpur. The event brought together stockbrokers, regulators, financial institutions, and technology solution providers to address growing operational and cybersecurity challenges within the rapidly evolving digital financial landscape.

More than a conventional trade exhibition, the event reflected a wider national concern on the need to strengthen governance, resilience, and digital trust across Malaysia's financial market infrastructure. The occasion also carried added significance with the presence of distinguished guests, including Tan Sri Hasnah Mohammed Hashim (former Chief Judge of Malaya and Chairman of the National Online Safety Committee), Tan Sri Madinah Mohamad (former Auditor General of Malaysia), and Dato Dr Ts Gerald Sundaraj (State Director of CIDB) , reflecting the growing national focus on digital trust, governance, and cyber resilience within critical sectors.

I represented Novem and UNIMY, to moderate the opening panel session titled "Safeguarding Financial Markets in an Era of Escalating Cyber Threats." The session featured senior representatives from Permodalan Nasional Berhad, CyberSecurity Malaysia, IBM Consulting, and industry scholars. Discussions centred on how financial institutions are responding to accelerated digital transformation driven by cloud technologies, artificial intelligence (AI), and interconnected digital ecosystems.

Distinguished guest (from left): Tan Sri Madinah Mohamad, Dato Dr Ts Gerald Sundaraj, Tan Sri Hasnah Mohammed Hashim, Ts. Dr. Nazrul Mohd Nor, Adj. Professor Murugason R. Thangaratnam, Azrul Aziz, and Aishah Farha Mohd Raih

A major issue raised during the discussion was the growing investment in cybersecurity as institutions respond to increasing regulatory expectations. Frameworks such as Malaysia's Cyber Security Act 2024, Bank Negara Malaysia's Risk Management in Technology (RMiT) guidelines, and Securities Commission governance requirements are reshaping how organisations approach cyber risk management and board-level accountability. Cybersecurity is increasingly viewed not merely as a technical requirement, but as a strategic pillar supporting business continuity, public trust, and systemic stability.

The panel also highlighted the rapidly evolving cyber threat landscape. Financial institutions now face increasingly sophisticated attacks involving AI-enabled fraud, supply chain compromises, credential-based attacks, and long-term data exfiltration campaigns. Participants emphasised that traditional perimeter-based security approaches are no longer sufficient, and organisations must adopt continuous resilience and threat anticipation strategies.

Another important discussion centred on governance maturity and board accountability. As regulators demand stronger oversight of cyber risks, institutions are increasingly introducing cyber risk briefings for boards, embedding cybersecurity expertise within committees, and appointing directors with technology and AI backgrounds. However, concerns remain regarding the varying levels of cyber literacy among board members in navigating complex emerging risks.

The session concluded with a strong call for collective action across the financial ecosystem. Proposed initiatives included cross-industry resilience roundtables, joint cyber simulation exercises, shared incident response playbooks, and broader threat intelligence collaboration. The consensus was clear: cybersecurity can no longer be managed in isolation, and stronger collaboration will be essential in protecting Malaysia's digital financial future.

Overall, the Stockbroking Trade Fair 2026 reflected Malaysia's growing commitment towards building a more resilient, trusted, and secure financial ecosystem in an increasingly digital era.

UNIMY Successfully Completes EAC Accreditation Visit for Bachelor of Computer Engineering Programme (Honours)

Suhaila Abdul Rahman
Dean, School of Engineering and Frontier Technology (SoEFT), UNIMY

The School of Engineering and Frontier Technology (SoEFT) successfully completed the Engineering Accreditation Council (EAC) accreditation visit for the Bachelor of Computer Engineering with Honours programme on 12 and 13 May 2026.

The accreditation exercise involved a comprehensive evaluation by the EAC panel comprising Ir. AP. Dr. Wong Wai Kit as Head of Panel, Ir. Prof. Dr. Mohd Faizal bin Jamlos, and Ir. Fazli bin Aziz, together with observers Ir. Dr. Pang Ming Meng and Ir. Dr. Tan Mei Ching. Throughout the visit, the panel reviewed programme documentation, interviewed stakeholders, inspected laboratories and facilities, and assessed the programme's compliance with the EAC Manual 2024 standards.

The panel acknowledged the programme's progress and the collective commitment shown by the academic and administrative teams in ensuring continuous quality improvement. The review process reflected the hard work, dedication, and teamwork demonstrated by staff in preparation for the audit.

Several positive outcomes were recorded during the visit. No concerns were raised under the Programme Outcomes and Students criteria, reflecting the programme's strength in academic delivery and student management. The panel also acknowledged the institution's efforts in maintaining programme quality

and aligning the curriculum with accreditation standards. The panel provided several constructive recommendations for further enhancement and continuous quality improvement initiatives. These efforts will further strengthen the Bachelor of Computer Engineering programme to ensure it remains aligned with industry expectations, professional requirements, and national accreditation standards.

The successful completion of the EAC accreditation visit marks another important milestone for the School of Engineering and Frontier Technology and reflects UNIMY's ongoing commitment towards academic excellence, professional standards, and future ready engineering education.

UNIMY Strengthens Global Engagement through Participation in ITS Internationalization and Staff Mobility Programme

Dr. Lina Tio
Director of International Marketing, UNIMY

From 4 to 9 May 2026, the Institut Teknologi Sepuluh Nopember (ITS), Indonesia successfully hosted the International Staff Mobility Programme, bringing together distinguished universities from across Asia and Europe to strengthen academic collaboration, research exchange, and innovation partnerships. The programme served as an important global platform for participating institutions to share expertise, explore joint research opportunities, and enhance international cooperation within higher education.

Among the invited institutions, UNIMY proudly represented Malaysia and actively contributed to academic sharing sessions, research dialogue, and innovation-focused discussions. UNIMY joined an international network of universities including Ho Chi Minh City University of Technology (HCMUT), University of Luzon, King Mongkut's Institute of Technology Ladkrabang (KMITL), HUTECH University, University of Science and Technology of Hanoi (USTH), Thuyloi University, Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA), Mahidol University Kanchanaburi Campus, University of Ostrava, Vellore Institute of Technology Andhra Pradesh (VIT-AP), and Shibaura Institute of Technology (SIT).

Throughout the programme, UNIMY participated in a series of meetings with various ITS departments, including innovation and collaboration units, to discuss potential joint research initiatives, academic exchanges, and future programme development. The engagements provided valuable opportunities to strengthen institutional relationships while identifying areas for future cooperation in technology, research, and higher education innovation.

The programme also featured exhibition booths where participating universities showcased their academic programmes and institutional strengths. Through this platform, UNIMY introduced its academic offerings and engaged with students and faculty members interested in pursuing higher education opportunities in Malaysia, particularly in areas related to computing, digital technologies, and innovation-driven programmes.

One of the key highlights of the programme was UNIMY's engagement with international education stakeholders and visiting delegations, including representatives from SMA Budi Utomo Perak Jombang. The school expressed strong interest in establishing collaboration with UNIMY, including opportunities for student participation in summer camp programmes in Malaysia. Discussions were also held regarding potential outreach visits by UNIMY to Indonesia to conduct information-sharing sessions for students, aimed at providing clearer pathways and insights into studying in Malaysia.

UNIMY's participation in this international platform reflects the university's continuous commitment to strengthening global academic partnerships, enhancing research collaboration, and positioning Malaysia as a leading destination for innovative, technology-driven, and industry-relevant higher education.

Strengthening UNIMY's Presence in Indonesia Through "Ayo Kuliah di Malaysia" and World Postgraduate Programme 2026

Dr. Lina Tio
Director of International Marketing, UNIMY

The "Ayo Kuliah di Malaysia" programme, held from 27 April to 3 May 2026 across Pontianak, Surabaya, Banjarmasin, and Padang, served as an important platform to strengthen the visibility and positioning of Malaysian higher education institutions within the Indonesian education market. For the University Malaysia of Computer Science & Engineering (UNIMY) under the BAC Education Group, the initiative provided a strategic opportunity to enhance institutional branding and promote its academic programmes to prospective Indonesian students and stakeholders.

The programme adopted a holistic marketing and engagement approach involving direct interaction with students, parents, education agents, higher education institutions, and local government representatives. Through education exhibitions, counselling sessions, and networking engagements, UNIMY actively showcased its innovative and industry-driven programmes in areas such as information technology, artificial intelligence, digital business, game development, and creative multimedia.

The programme attracted more than 4,175 visitors, reflecting the strong and growing interest among Indonesian students in pursuing higher education in Malaysia. During

the engagement sessions, a total of 178 offer letters were issued, demonstrating significant potential for future enrolment into Malaysian institutions, including UNIMY.

As part of its commitment towards expanding access to international education, UNIMY also introduced scholarship opportunities for Indonesian students. The scholarships are aimed at encouraging talented students from Indonesia to pursue quality higher education in Malaysia while strengthening educational and cultural ties between both countries. This initiative is expected to enhance the accessibility and attractiveness of Malaysian higher education, particularly for students seeking internationally recognised qualifications and industry-relevant learning experiences.

In addition, the World Postgraduate Programme held on 9 May 2026 in Jakarta and 10 May 2026 in Surabaya further contributed to strengthening the visibility of UNIMY and Malaysian higher education institutions within the postgraduate education segment. The programme attracted university representatives, education agents, and prospective postgraduate students interested in pursuing Master's and PhD studies in Malaysia.

The event provided valuable opportunities for direct engagement with prospective postgraduate candidates, enabling participating institutions to highlight their research strengths, postgraduate pathways, academic expertise, and industry collaborations. The encouraging response received during both programmes reflects the growing confidence and interest among Indonesian students towards Malaysian higher education, particularly in postgraduate studies.

Overall, the successful participation in both initiatives reinforces UNIMY's strategic recruitment and branding efforts within the Indonesian education market while supporting long-term academic collaboration and regional educational cooperation between Malaysia and Indonesia.

My Experience at ITS Surabaya, Indonesia

Muhammad Aiman Bin Ramli
Student of Bachelor of Computer Science with Honours, UNIMY

I recently had the opportunity to participate in the international mobility programme hosted by Institut Teknologi Sepuluh (ITS) Nopember, Indonesia and had an enriching experience that significantly expanded my academic and professional perspective in the areas of technology, research, and international collaboration.

During the programme, I visited the ITS research department, where I was exposed to advanced developments in robotics and engineering innovation. Observing these cutting-edge technologies in a real-world research environment provided valuable insights into how universities integrate technology with practical applications to address contemporary global challenges. The experience also demonstrated the importance of innovation ecosystems in producing future-ready graduates.

One of the highlights of the programme was the opportunity to engage with international internship students involved in projects conducted in collaboration with PETRONAS. These interactions provided a deeper understanding of how cross-border industry-academic partnerships function in practice, particularly within the energy and engineering technology sectors. It also reinforced the importance of multinational collaboration in driving meaningful technological advancement.

The programme further created opportunities to interact with participants from various countries, encouraging knowledge exchange and intercultural understanding. This experience aligned closely with my previous involvement in leading the UNIMY Young Tech Camp, a specialised initiative designed for Orang Asli students in Malaysia. Through the programme, I worked on projects that emphasised inclusive education, digital literacy, and the empowerment of marginalised communities through technology.

I found that the mobility programme further strengthened my passion for the intersection between technology and social impact. Exposure to different academic frameworks and student engagement approaches in Surabaya provided valuable perspectives on how institutions bridge technical education with practical and community-based applications.

Overall, the mobility programme marked an important milestone in my professional development. The experience reinforced my commitment towards global collaboration, inclusive education, and technology-driven social transformation. I would also like to express my sincere appreciation to UNIMY for providing me with the opportunity to participate in this valuable international mobility programme and further strengthen my academic and professional growth.