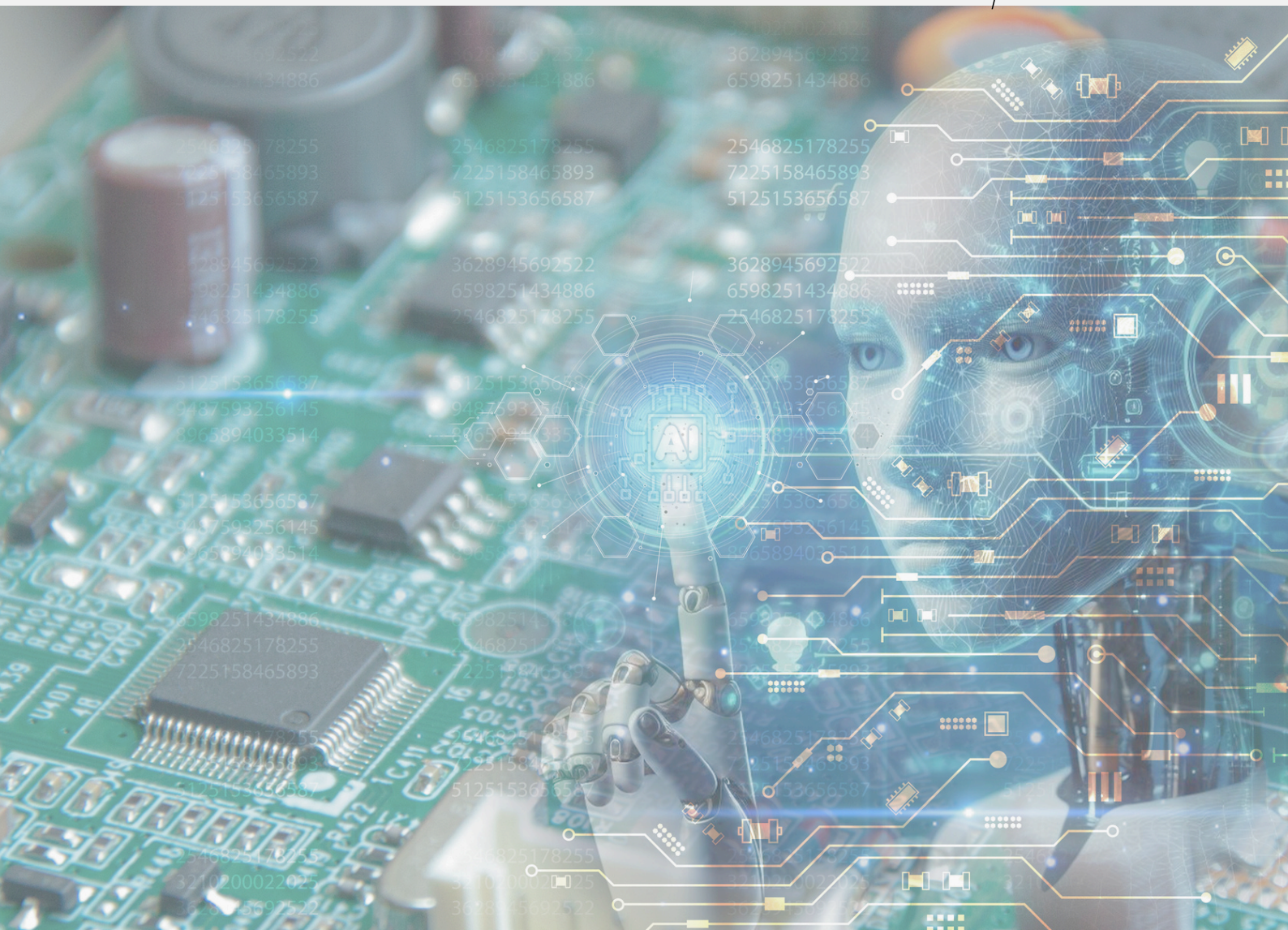




ELECTRO MATTERS

Oct-Dec 2025

IN THE SPOTLIGHT

FKE Welcomes New Students

1 October 2025

FKE welcomed 421 new students into its undergraduate programmes for the current academic intake. The cohort comprised 144 students from EE222, 216 students from EE223, and 61 students from EE260.

FKE reaffirmed its commitment to supporting their academic and professional development in line with its mission of fostering entrepreneurial leaders.



FKE Orientation Week for 2025/2026 Session

3 October 2025

FKE held its Minggu Destini Siswa (MDS) on 3 October 2025 at Dewan Kuliah C, Engineering Complex, to welcome new students for the 2025/2026 academic session. The programme included briefings on faculty management, student affairs, entrepreneurship, career development, and effective learning strategies. Appreciation is extended to the faculty management, HEP, MPP, and Sekretariat Mahasiswa Fakulti (SMF) for their commitment in ensuring the success of the programme.



IN THE SPOTLIGHT

FKE Leads Historic ASEAN Space Mission with UiTMSAT-2

26 October 2025

FKE led a historic ASEAN space initiative with the successful launch of UiTMSAT-2, its second nanosatellite mission under the ASEANSAT Project, on 26 October 2025 at 8:00 a.m. (Malaysia Time) from the Tanegashima Space Center, Japan. The satellite was launched aboard the H3 F7 Rocket carrying HTV-XI, with the mission supported by the Ministry of Science, Technology and Innovation (MOSTI) and involving international partners from the Philippines, Thailand, and Japan.

Developed with more than 60% local contribution by FKE lecturers and students, UiTMSAT-2 was a 1U CubeSat equipped with a high-resolution camera and a space-based Internet of Things (IoT) communication payload to support Earth observation, environmental monitoring, disaster management, and rural connectivity. The deployment of UiTMSAT-2 from the JEM Small Satellite Orbital Deployer (J-SSOD) is scheduled for Q1 of 2026.



IN THE SPOTLIGHT

The Pulse of Student Engagement at FKE

24 - 25 October 2025

Ekspo Kelab dan Persatuan (EKSKEP) 2025 was successfully held on 24–25 October 2025, organised by the Sekretariat Mahasiswa Fakulti Kejuruteraan Elektrik (SMFKE) with the participation of 20 faculty-based clubs showcasing their activities through exhibition booths. Conducted over two full days, the expo served as a key platform to introduce students to the roles, direction, and opportunities offered by clubs and societies, while encouraging active involvement in co-curricular life and the development of essential soft skills such as leadership, communication, teamwork, and organisational management. The programme featured interactive booth exhibitions, briefings on club activities and visions, and direct engagement between students and committee members, creating an energetic and inclusive campus atmosphere. Notably, the IEEE UiTM Shah Alam Student Branch stood out for its creative, well-organised, and informative booth, earning the First Place for Best Booth Award. Overall, EKSKEP 2025 received strong student engagement and successfully reinforced SMFKE's commitment, together with all FKE clubs, to cultivate a vibrant culture of student participation and holistic leadership development.



IN THE SPOTLIGHT

UiTMSAT-2 Nanosatellite to the International Space Station (ISS)

12 November 2025

On 12 November 2025, Petang Zayan X Anas featured an exclusive interview with UiTM researchers Ts. Dr. Fatimah Zaharah and Prof. Ir. Dr. Mohamad Huzaimy Jusoh behind the successful launch of UiTMSAT-2 Nanosatellite to the International Space Station (ISS). UiTMSAT-2, a small but significant satellite, represents a major milestone as UiTM leads this pioneering project under ASEANSAT. The interview, broadcast on Radio Zayan FM 104.9 from 5:00 to 6:00 PM, highlighted the satellite's mission, research efforts, and the university's role in advancing space technology in the region.



IN THE SPOTLIGHT

UiTMSAT-2 Nanosatellite to the International Space Station (ISS)

12 November 2025

Petang Zayan X Anas featured an exclusive interview with FKE researchers Ts. Dr. Fatimah Zaharah and Prof. Ir. Dr. Mohamad Huzaimy Jusoh behind the successful launch of UiTMSAT-2 Nanosatellite to the International Space Station (ISS). UiTMSAT-2, a small but significant satellite, represents a major milestone as UiTM leads this pioneering project under ASEANSAT.



Young Engineers Take the Lead in Energy Transition

22 November 2025

The IEEE Power & Energy Society (PES) Malaysia Student Congress 2025, held on 22 November 2025 at Universiti Tenaga Nasional (UNITEN), successfully brought together 60 student participants from leading universities including UiTM, UNITEN, UPM, UTM, UKM, and MMU, under the organisation of the IEEE UiTM Student Branch, FKE Shah Alam. The congress focused on raising awareness of sustainable energy transition and emerging technologies, while strengthening collaboration among future engineers in line with SDG 7, SDG 9, and SDG 17. The programme featured keynote remarks by the Deputy Chair of IEEE PES Malaysia, expert industry sharing sessions, professional networking activities, a technical visit to UNITEN's Solar PV Rooftop, and interactive group work culminating in student presentations on innovative responses to global energy challenges.



IN THE SPOTLIGHT

Mobile Legends: Bang Bang 2.0 by IEEE UiTM Student Branch

11-12 December 2025

Mobile Legends: Bang Bang 2.0, organized by the IEEE UiTM Shah Alam Student Branch, FKE, was successfully held on 11–12 December 2025 at UiTM Shah Alam, drawing 118 students across 20 teams with the support of 25 organising committee members. Designed as a structured and professional esports platform, the tournament encouraged student participation in technology-driven co-curricular activities while fostering leadership, teamwork, communication, and strategic thinking. The competition adopted a hybrid format, with preliminary rounds conducted online via Discord on the first day, followed by an in-person final stage at Dewan Kuliah C, creating a more competitive and vibrant atmosphere. As a refined continuation of its previous edition, the tournament showcased improvements in management, format, and execution, reflecting IEEE UiTM Student Branch's ongoing commitment to nurturing student talent and strengthening the university's esports culture.



IN THE SPOTLIGHT

Marking a Professorial Milestone at FKE

18 December 2025

The Professorial Lecture, held on 18 December 2025 at Dewan Anjung Seri Budiman marked a proud moment for FKE. The event celebrated academic excellence and distinguished scholarly contributions to the field of electrical engineering. Two Professors, and a lifetime of insight by:

1) Professor Ir. Dr. Ahmad Farid Abidin @ Bharun

Artificial Intelligence for Source Identification of Excessive Neutral-to-Ground Voltage

2) Professor Ir. Dr. Zuhaina Hj. Zakaria

Intelligent Service Restoration in Smart Distribution Network

The lectures reflected years of dedication to research, leadership, and professional practice, and provided meaningful intellectual engagement for the academic community.



IN THE SPOTLIGHT

Benchmarking Meeting with IEEE SJTU Student Branch

19 December 2025

A focused benchmarking discussion was held on 19 December 2025 at FKE UiTM with the Counselor of the IEEE Shanghai Jiao Tong University Student Branch, Assoc. Prof. Dr Yongfu Li, bringing together members of the IEEE UiTM Student Branch alongside branch and PES advisors. During the session, the Programme Director, Mr Sharul Izzani, presented the proposed plan and tentative programme for the upcoming benchmarking visit to Shanghai Jiao Tong University, scheduled for 11–12 March 2026. The discussion marked a key step towards strengthening international collaboration, expanding student engagement, and setting the foundation for meaningful academic exchange between both institutions.



WORKSHOP

Strategic Document Preparation Workshop UiTM2030

19 November 2025

FKE successfully conducted a special workshop for the preparation of three key strategic documents required by Pejabat Transformasi Universiti (PTU), namely the UiTM2025 Impact Study, the UiTM2030 Strategic Plan and PTJ Roadmap, as well as the 2026 Strategic Action Plan (SAP). The implementation of this workshop aimed to ensure that all documents were prepared in accordance with the guidelines and templates set by PTU, while aligning the faculty's strategic direction towards achieving the UiTM2030 targets. The session involved faculty leadership, FKE professors, and representatives from relevant units who collaboratively reviewed the requirements, performance indicators, and long-term planning of the faculty. Through focused discussions and teamwork, the workshop produced clearer, more structured, and impactful document frameworks to drive excellence in academics, research, and human capital development. The organisation of this workshop signifies FKE's commitment to supporting the university's agenda, while strengthening the faculty's readiness to face the challenges of higher education leading up to 2030.

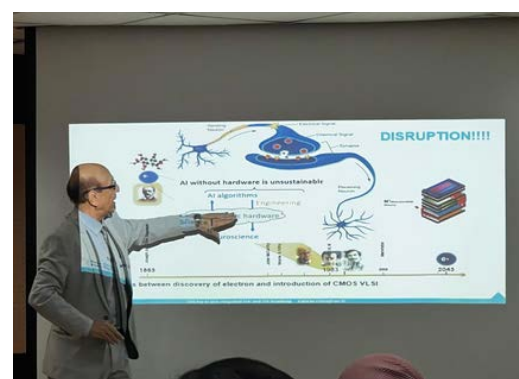
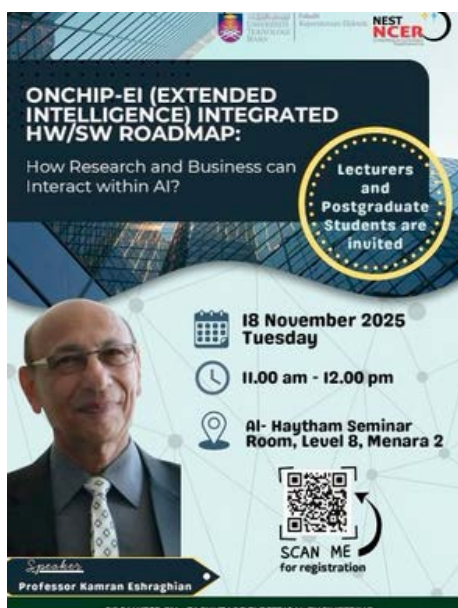


WORKSHOP

ONCHIP-EI (Extended Intelligence) Integrated HW/SW Roadmap: How Research and Business can Interact within AI?

18 November 2025

FKE organized a special seminar titled “ONCHIP-EI (Extended Intelligence) Integrated HW/SW Roadmap: How Research and Business can Interact within AI?” delivered by Professor Kamran Eshraghian at FKE. The session provided staff and postgraduate students with insights into the development of hardware and software technologies in Extended Intelligence, as well as the potential for collaboration between research and industry within the AI ecosystem. The seminar enhanced participants’ understanding of emerging AI technologies and demonstrated FKE’s commitment to knowledge advancement, innovation, and industry engagement.



COMMUNITY

STEM4FUN: UiTM Electrical Engineering Lecturers and Students Bring STEM Learning to Life through Community Outreach

30 October 2025

FKE lecturers and student enrolled in the Engineers in Society (EEE621) course, organized a community outreach initiative titled STEM4FUN at SMK Rantau Panjang, Klang. The program was conducted in collaboration with the IEEE Electron Devices Society Malaysia Chapter. Supervised by Prof. Ir. Dr. Ahmad Sabirin Zoolfakar and Ir. Dr. Maizatul Zolkapli, the event brought together 36 facilitators who guided 163 Form 3 students through a series of engaging and hands-on STEM activities. Participants explored the exciting world of electronics using Electronic Block, Zoombit, and TinyBit kits, learning about basic circuit concepts, sensors, and system control in an interactive and enjoyable way. The initiative successfully sparked students' curiosity and interest toward STEM while nurturing creativity, teamwork, and problem-solving skills. At the same time, it provided FKE students with a meaningful platform to share their technical knowledge and inspire the next generation of innovators. The program reflects FKE's ongoing commitment to cultivating innovative, future-ready graduates equipped for the digital and sustainable era.



FKE GOING GLOBAL



Republic of the Philippines
CAVITE STATE UNIVERSITY
Don Severino delos Alas Campus
Indang, Cavite

UNIVERSITI TEKNOLOGI MARA

MD
Premier Digital Tech Institution

Live Webinar

Topic:
Renewable Energy and Solar Photovoltaic (PV) Systems

Module 1: Introduction to Renewable Energy and Solar PV System

Engr. Ernack R. Romen
Faculty Member
Cavite State University

October 10, 2025
09:00 - 11:00 Philippines
09:00 - 11:00 Malaysia

Cisco Webex

For registration
<https://projects-fkeuitm.my/webinaruitmcvsu/>

For More Info
Email: naimah5732@uitm.edu.my
Email: ceit@csvu.edu.ph

Live Webinar: Renewable Energy & Solar PV Systems

10 October 2025

A live webinar on "Renewable Energy & Solar PV Systems" was held on 10 October 2025, from 9.00 am to 11.00 am (PH & MY time). The session was delivered by Engr. Ernack R. Romen of Cavite State University and conducted via Cisco Webex, providing participants with insights into renewable energy technologies and solar photovoltaic systems.

BRIDGE 2025 Continues with Advanced Modules on Renewable Energy and Solar PV Systems

17 October 2025

The BRIDGE International Webinar Series 2025 continued on 17 October 2025 with advanced modules on Renewable Energy and Solar Photovoltaic (PV) Systems, organised in collaboration with Cavite State University, Philippines, UiTM and MD Premier Digital Tech Institutions. The sessions were delivered by Assoc. Prof. Ir. Dr. Shahril Irwan Sulaiman (FKE) on Solar PV System Design and Sizing, and Ir. Ts. Dr. Zulkifli Othman (FKE) on the Operation, Maintenance, and Troubleshooting of Solar PV Systems.



Republic of the Philippines
CAVITE STATE UNIVERSITY
Don Severino delos Alas Campus
Indang, Cavite

UNIVERSITI TEKNOLOGI MARA

MD
Premier Digital Tech Institution

Live Webinar

Topic:
Renewable Energy and Solar Photovoltaic (PV) Systems

Module 2 - Solar PV System Design and Sizing

Ir. Dr. Shahril Irwan Sulaiman
Associate Professor
Universiti Teknologi MARA (UiTM)-Malaysia

October 17, 2025
09:00 - 11:00 Philippines
09:00 - 11:00 Malaysia

Cisco Webex

For registration
<https://projects-fkeuitm.my/webinaruitmcvsu/>

For More Info
Email: naimah5732@uitm.edu.my
Email: ceit@csvu.edu.ph



Republic of the Philippines
CAVITE STATE UNIVERSITY
Don Severino delos Alas Campus
Indang, Cavite

UNIVERSITI TEKNOLOGI MARA

MD
Premier Digital Tech Institution

Live Webinar

Topic:
Renewable Energy and Solar Photovoltaic (PV) Systems

Module 4 - Operation, Maintenance, and Troubleshooting of Solar PV Systems

Ir. Ts. Dr. Zulkifli Othman
Senior Lecturer
Universiti Teknologi MARA (UiTM)-Malaysia

October 17, 2025
14:45 - 16:30 Philippines
14:45 - 16:30 Malaysia

Cisco Webex

For registration
<https://projects-fkeuitm.my/webinaruitmcvsu/>

For More Info
Email: naimah5732@uitm.edu.my
Email: ceit@csvu.edu.ph

FKE GOING GLOBAL

BRIDGE International Webinar Series Introduces Internet of Things (IoT)

24 October 2025

The BRIDGE International Webinar Series introduced Topic 2: Internet of Things (IoT) on 24 October 2025, featuring two expert-led sessions by Dr. Naimah Mat Isa and Ts. Dr. Arni Munira Binti Markom from FKE. The sessions focused on IoT fundamentals and application development using MIT App Inventor and Google Firebase, providing participants with practical insights into smart and connected technologies.



FKE Delegation Participates in ElectroTech Summer Institute 2025 in Indonesia

19 - 26 October 2025

Eight students and one lecturer from FKE participated in the ElectroTech Summer Institute (ETSI) 2025, hosted by Universitas Diponegoro, Indonesia. The programme featured academic sessions on Sustainable Development Goals (SDG), Internet of Things (IoT), Power Control, and Machine Learning, alongside a community service project at the Waste Management Centre.

Participants also visited PT Telkom and UPDL Semarang for industry exposure and took part in cultural visits to Lawang Sewu and Gedung Songo. Dr Nur Nabila Mohamed delivered a lecture on IoT and served as a guest speaker at the Unlimited National Seminar, while FKE students also participated in the International Essay Competition, presenting ideas on sustainability and technology.



FKE GOING GLOBAL

BRIDGE International Webinar Series continued with advanced IoT modules

The BRIDGE International Webinar Series continued with advanced IoT modules, featuring interactive sessions led by distinguished lecturers from FKE and Cavite State University (CvSU). Participants explored applications of IoT technologies, including Module 3: Google Apps Script and MIT App Inventor by Ts. Dr. Syed Farid Syed Adnan and Module 4: Data Visualization using MIT App Inventor by Ts. Dr. Lucyantie Mazalan, both from FKE. The sessions provided hands-on learning in automation, smart application design, and data visualization, reinforcing the series' mission to bridge innovation and education through global collaboration.



Live Webinar

Topic:

Internet of Things

Module 3 - Google Apps Script and MIT App Inventor

Ts. Dr. Syed Farid Syed Adnan
Senior Lecturer

Universiti Teknologi MARA (UiTM)-Malaysia

November 7, 2025
09:00 - 11:00 Philippines
09:00 - 11:00 Malaysia

Cisco Webex

For registration

<https://projects-fkeuitm.my/webinaruitmcsu/>



For More Info

Email: naimah5732@uitm.edu.my
Email: ceit@csvu.edu.ph



Live Webinar

Topic:

Internet of Things

Module 4 - Data Visualization using MIT App Inventor

Ts. Dr. Lucyantie Mazalan
Senior Lecturer

Universiti Teknologi MARA (UiTM)-Malaysia

November 7, 2025
14:45 - 16:30 Philippines
14:45 - 16:30 Malaysia

Cisco Webex

For registration

<https://projects-fkeuitm.my/webinaruitmcsu/>



For More Info

Email: naimah5732@uitm.edu.my
Email: ceit@csvu.edu.ph



FKE GOING GLOBAL

BRIDGE International Webinar Series

The BRIDGE International Webinar Series continued on 14 November 2025, bringing together experts from FKE and Cavite State University (CvSU), Philippines to explore advancements in Software Engineering and Intelligent Embedded Systems. The full-day session featured Module 1: Introduction to Intelligent Embedded Systems presented by Mr. Mohd Saufy Rohmad and Module 3: Machine Learning in Embedded Systems by Dr. Nur Khalidah Zakaria from FKE. Participants gained insights into intelligent system design, data analytics integration, and modern software practices, highlighting the transformative potential of emerging technologies. The webinar, hosted via Cisco Webex, reinforced the commitment of FKE, CvSU, and MD Premier Digital Tech Institutions to fostering global collaboration and empowering learners in the digital era.



Logos: Republic of the Philippines, CAVITE STATE UNIVERSITY Don Severino delas Alas Campus Indang, Cavite; UNIVERSITI TEKNOLOGI MARA; MD Premier Digital Tech Institution

Live Webinar

Topic:
Intelligent Embedded Systems: Machine Learning and Data Analytics Integration

Module 1 - Introduction to Intelligent Embedded Systems

Mr. Mohd Saufy Rohmad
Senior Lecturer
Universiti Teknologi MARA (UiTM)-Malaysia

November 14, 2025
09:00 - 11:00 Philippines
09:00 - 11:00 Malaysia

Cisco Webex

For registration
<https://projects-fkeuitm.my/webinaruitmcsu/>

For More Info
Email: naimah5732@uitm.edu.my
Email: ceit@csvu.edu.ph



Logos: Republic of the Philippines, CAVITE STATE UNIVERSITY Don Severino delas Alas Campus Indang, Cavite; UNIVERSITI TEKNOLOGI MARA; MD Premier Digital Tech Institution

Live Webinar

Topic:
Intelligent Embedded Systems: Machine Learning and Data Analytics Integration

Module 3 - Machine Learning in Embedded Systems

Dr. Nur Khalidah Zakaria
Senior Lecturer
Universiti Teknologi MARA (UiTM)-Malaysia

November 14, 2025
14:45 - 16:30 Philippines
14:45 - 16:30 Malaysia

Cisco Webex

For registration
<https://projects-fkeuitm.my/webinaruitmcsu/>

For More Info
Email: naimah5732@uitm.edu.my
Email: ceit@csvu.edu.ph

FKE GOING GLOBAL

BRIDGE International Webinar Resumes Software Engineering Modules

The BRIDGE International Webinar Series held on 21 November 2025 continued with Software Engineering Modules 2 and 4 while introducing two new focus areas, Biogas Technology and Electric Vehicle Technology. The sessions featured FKE speakers Dr. Shuria Saaidin and Assoc. Prof. Ts. Dr. Roslina Mohamad, who delivered insights on software paradigms, object-oriented design, and programming. This collaboration between FKE and Cavite State University provided valuable exposure to emerging sustainable technologies and strengthened academic engagement across institutions, benefiting FKE lecturers and students through knowledge sharing and future-oriented perspectives.



Republic of the Philippines
CAVITE STATE UNIVERSITY
Don Severino delas Alas Campus
Indang, Cavite




Live Webinar

Topic:
Software Engineering

Module 2 - Software Paradigm

Dr. Shuria Saaidin
Senior Lecturer
Universiti Teknologi MARA (UiTM)-Malaysia

November 21, 2025
09:00 - 11:00 Philippines
09:00 - 11:00 Malaysia

Cisco Webex

For registration
<https://projects-fkeuitm.my/webinaruitmcvsu/>

For More Info
Email: naimah5732@uitm.edu.my
Email: ceit@csvu.edu.ph





Republic of the Philippines
CAVITE STATE UNIVERSITY
Don Severino delas Alas Campus
Indang, Cavite




Live Webinar

Topic:
Software Engineering

Module 4 - Object-Oriented Design and Programming

Ts. Dr. Roslina Mohamad
Associate Professor
Universiti Teknologi MARA (UiTM)-Malaysia

November 21, 2025
15:00 - 17:00 Philippines
15:00 - 17:00 Malaysia

Cisco Webex

For registration
<https://projects-fkeuitm.my/webinaruitmcvsu/>

For More Info
Email: naimah5732@uitm.edu.my
Email: ceit@csvu.edu.ph



FKE GOING GLOBAL

Building Resilient and Inclusive Development through Global Education (BRIDGE) International Webinar Series

28 November 2025

The BRIDGE International Webinar Series concluded with sessions on Electric Vehicle Technology (EVT) and Biogas Technology, delivered by distinguished faculty from FKE and Cavite State University. The day featured Module 2: Electric Vehicle Technology System by Ts. Dr. Ezmin Abdullah (FKE) from 9:00–11:00 AM and Module 4 – Maintenance of EVT by Assoc. Prof. Dr. Muhamad Nabil Hidayat (FKE) from 2:45–4:30 PM. The sessions provided participants with valuable insights into system design, safety, maintenance, operations, and sustainability-driven innovations, successfully wrapping up this year's global collaboration initiative.



Live Webinar

Topic:
Electric Vehicle Technology

Module 2 - Electric Vehicle Technology System

Ts. Dr. Ezmin Abdullah
Senior Lecturer
Universiti Teknologi MARA (UiTM)-Malaysia

November 28, 2025
09:00 - 11:00 Philippines
09:00 - 11:00 Malaysia

Cisco Webex

For registration

<https://projects-fkeuitm.my/webinaruitmcsu/>



For More Info

Email: naimah5732@uitm.edu.my
Email: ceit@csvu.edu.ph



Live Webinar

Topic:
Electric Vehicle Technology

Module 4 - Maintenance of EVT

Assoc. Prof. Dr. Muhamad Nabil Hidayat
Senior Lecturer
Universiti Teknologi MARA (UiTM)-Malaysia

November 28, 2025
14:45 - 16:30 Philippines
14:45 - 16:30 Malaysia

Cisco Webex

For registration

<https://projects-fkeuitm.my/webinaruitmcsu/>



For More Info

Email: naimah5732@uitm.edu.my
Email: ceit@csvu.edu.ph



FKE GOING GLOBAL

Student Visit to MIMOS

26 November 2025

On 26 November 2025, students from FKE UTM visited MIMOS as part of the CvSU Philippines Mobility Programme, marking a key stop in their industrial exposure. The visit featured sharing sessions, demonstrations, and interactive discussions with MIMOS subject matter experts, providing students with valuable insights into advanced technologies, ongoing R&D efforts, and real-world applications driving national innovation. The experience offered a closer look at the research and technology ecosystem at MIMOS, inspiring new ideas, sparking curiosity, and strengthening students' interest in contributing to Malaysia's future in science, engineering, and digital technology.



FKE GOING GLOBAL



Building Futures Beyond Campus

22–27 November 2025

The International Future Engineers Symposium (I-FES) was successfully held from 22 to 27 November 2025 at King Mongkut's University of Technology North Bangkok (KMUTNB), marking a significant outbound mobility and international collaboration initiative jointly organised by the IEM UiTM Shah Alam Student Section and KMUTNB. The programme brought together active IEM UiTM student members and undergraduate students from KMUTNB, supported by academic advisors from both institutions, with the aim of strengthening international student networks and engagement in engineering knowledge and sustainability-focused discussions. Through a blend of academic exchange, leadership and soft-skills development, and cross-cultural interaction, I-FES provided a meaningful platform for knowledge sharing, professional networking, and global perspective building. The symposium not only enriched students' academic and personal development but also reinforced the collaborative ties between FKE and KMUTNB, contributing to the nurturing of future engineers equipped to operate in a global and sustainability-driven landscape.



FKE GOING GLOBAL

MIEMF2025: Fostering Global Synergy in Engineering Excellence

23–29 November 2025

FKE successfully concluded MIEMF2025: Global Engineering Synergy (23–29 November 2025). Led by Programme Director Assoc. Prof. Ts. Dr. Roslina Mohamad and fully funded by the Ministry of Higher Education (MOHE), this initiative advanced global engagement through the Malaysia International Enrichment Matching Fund.

A Cross-Border Collaboration The programme united 7 delegates from Cavite State University (CvSU), Philippines, with 16 participants and facilitators from FKE. Together, they explored the frontiers of Smart Technologies, Sustainable Energy, and Microelectronics.

Programme Highlights:

- **Technical & Industry Immersion:** Specialized workshops and site visits to MIMOS Berhad, Putrajaya Power Plant, and CyberSecurity Malaysia.
- **Academic Exchange:** Engagement sessions at Asia Pacific University (APU) and final group project presentations.
- **Cultural Diplomacy:** Heritage tours of Kuala Lumpur and Putrajaya, celebrating the vibrant Malaysia–Philippines connection.

This milestone was achieved with the vital support of UiTM Global, the IEEE IE/IA Malaysia Chapter, and the IC Didik Club. By bridging the gap between classroom and industry, FKE remains steadfast in its commitment to the Malaysia MADANI vision and UiTM's internationalisation agenda.



FKE GOING GLOBAL



From FKE to Bangkok: STEM on the Move

25–26 November 2025

The International SULAM (i-SULAM) STEM Innovation Camp: Discover, Create, Inspire was successfully conducted on 25–26 November 2025 at Santhicon Islamic School, Bangkok, Thailand, led by FKE, UiTM in fulfilment of UiTM Performance Indicators PI005 and PI027. The programme brought together FKE students and Santhicon learners in a hands-on STEM experience that introduced core electrical engineering concepts through electronic blocks, Arduino-based programming, and applied projects such as Magnetic Control Glow Fans, FM Radio Systems, and a collaborative Maze Challenge. Beyond technical skills, the camp fostered problem-solving, teamwork, and cross-cultural learning, while sparking genuine interest in STEM pathways and engineering careers. The initiative stands as a strong example of how international community-based learning can translate global engagement into meaningful educational impact.



FKE GOING GLOBAL

FKE and CvSU Forge a New Era of Engineering Synergy

1 December 2025

In a landmark meeting that underscores the power of international academic synergy, University President Dr. Ma. Agnes P. Nuestro welcomed a distinguished delegation from FKE to Cavite State University. This courtesy visit officially sets the stage for SCOPE 2025: Strengthening Cross-Border Opportunities for Partnership in Education, a collaborative mobility program designed to bridge the gap between regional expertise and global engineering standards.

The heart of this exchange lies in a specialized team composed of four engineering students and esteemed Senior Faculty members Dr. Naimah Mat Isa and Ts. Dr. Syed Farid Syed Adnan, both of whom shared their expertise as keynote resource speakers throughout the program. Jointly organized by FKE, the CvSU College of Engineering and Information Technology (CEIT), and the International and Local Collaboration and Linkages Office (ILCLO), this initiative represents a unified commitment to nurturing globally competitive professionals through shared knowledge and cultural exchange.



FKE GOING GLOBAL

Where Exchange Turned into Excellence

1 -5 December 2025

Cavite State University Jr. IECEP proudly supported SCOPE: Strengthening Cross-Border Opportunities for Partnership in Education, a week-long exchange programme held from 1–5 December, bringing Malaysian and Filipino students together through academic collaboration and cultural exchange.

A key highlight was the case analysis presentation on 3 December, where Group 3 (Biosensors) clinched 1st place, followed by Group 4 (Internet of Things) in 2nd place at the CEIT Conference Room. Their creativity and teamwork clearly set them apart.

Beyond the awards, SCOPE strengthened academic partnerships, built lasting connections, and inspired participants to embrace global perspectives.



PROMOTIONS

Professor, Special Grade B (VK6)

Congratulations to Prof. Ir. Dr. Ismail Musirin on his promotion to Professor, Special Grade B (VK6)



Associate Professor (DS14)

Congratulations to Assoc. Prof. Ir. Ts. Gs. Dr. Mohamad Farid Misnan and Assoc. Prof. Ts. Dr. Arni Munira Markomon on their promotion to Associate Professor (DS14).



ACHIEVEMENT



Podium Finish at IEEE Malaysia Section FYP 2025

Congratulations to Tengku Atiqah Farhana Tengku Azlan Shah and Ts. Dr. Arni Munira Markom (Supervisor) for winning 2nd Runner-up in Power and Energy Category at the IEEE Malaysia Section FYP Competition 2025 titled "IoT-based System Hydroelectric Generator Using River Water Flow".



Honoured for Outstanding Volunteer Service

Congratulations to Assoc. Prof. Ir. Ts. Dr. Nur Ashida Salim on receiving the 2025 IEEE R10 Outstanding Volunteer Award

Our Newest PhD

Congratulations to Ir. Dr. Muhammad Farris bin Khyasudeen on successfully obtaining his Doctor of Philosophy (PhD) in Electrical Engineering from UiTM.

ACHIEVEMENT

SRP Grant Award

26 November 2025

Congratulations to Assoc. Prof. Ts. Dr. Murizah Kassim and her team for successfully securing the Strategic Research Partnership (SRP) International Grant in collaboration with Al-Balqa Applied University (BAU), Jordan. Their project, titled "Time Series Packet Prediction Modeling for QoS Internet Protocol Bandwidth Management on Metro-E Campus Network" has been awarded RM50,000.00, reflecting their dedication to advancing international research collaboration and innovation.



PPRN Grant Award

Ts. Dr. Ezmin binti Abdullah (Leader) and Assoc. Prof. Dr. Muhamad Nabil Hidayat (Member) have successfully secured the Public-Private Research Network (PPRN) 2.0 Grant amounting to RM50,000.00 for their project titled "A Data Science Approach for Automated Energy Audit Reporting Using Statistical Analysis and Regression-Based Modelling." This achievement reflects their commitment to research excellence and innovation at FKE, with the potential to create significant impact for both industry and society.

ACHIEVEMENT

ASEAN Chartered Engineer Recognition

27 November 2025

Congratulations to Assoc. Prof. Ir. Ts. Gs. Dr. Mohamad Farid Misnan on successfully obtaining the ASEAN Chartered Professional Engineer (ACPE) recognition from the Board of Engineers Malaysia (BEM). This achievement highlights his professional excellence and commitment to advancing engineering standards within the ASEAN region.



Certified Energy Auditor

Congratulations to Assoc. Prof. Dr. Muhamad Nabil bin Hidayat on his certification as a Registered Energy Auditor (JTB-2025-0068) by the Energy Commission of Malaysia. This accreditation further strengthens FKE's expertise in the energy sector and is expected to benefit both industry and the nation.

ACHIEVEMENT

Invention, Innovation, and Design Exposition (IIDEX) 2025 winners

20 November 2025

Heartiest congratulations to all FKE researchers that successfully bagged medals for their remarkable achievements at the Invention, Innovation, and Design Exposition (IIDEX) 2025. Through dedication, creativity, and research excellence, the FKE teams secured Gold, Silver, and Bronze awards, demonstrating the faculty's commitment to impactful innovation and continuous advancement in engineering research.



ACHIEVEMENT

Invention, Innovation, and Design Exposition (IIDEX) 2025 winners

Congratulations

MOHD RIZAL BIN DOHAD
 ASSOC. PROF. IR. TS. DR. SUZI SEROJA BINTI SARNIN
 MOHD NOR MD TAN
 DR. NORLELA ISHAK
 ASSOC. PROF. IR. DR. DARMAWATY BT MOHD ALI
 DR RAUDAH ABU BAKAR

on winning the
Gold Award at the Invention, Innovation, and Design Exposition (IIDEX) 2025
 for the project
SMART GROWTH TO SMART HARVEST: INTEGRATING IOT-ENABLED AQUAPONICS FOR AUTISM TOWARDS SUSTAINABLE ENTREPRENEURSHIP

From
 The Dean and all members of the Faculty of Electrical Engineering, UITM



Congratulations

PROF. IR. DR. ROZITA JAILANI
 RUSNANI BT YAHYA
 NUR KHALIDAH ZAKARIA
 MOHAMAD HARIZ BIN NAZAMID
 ANWAR P.P. ABDUL MAJEED
 DEVI FITRIANAH
 ESYIN CHEW

on winning the
Gold Award at the Invention, Innovation, and Design Exposition (IIDEX) 2025
 for the project
FOCUSSENSE: INTELLIGENT ATTENTION TRACKING VIA HEADPOSE FOR SPECIAL NEEDS EDUCATION

From
 The Dean and all members of the Faculty of Electrical Engineering, UITM



Congratulations

PROF. IR. DR. ROZITA JAILANI
 RUSNANI BT YAHYA
 NUR KHALIDAH ZAKARIA
 MOHAMAD HARIZ NAZAMID
 ANWAR P.P. ABDUL MAJEED
 DEVI FITRIANAH
 ESYIN CHEW

on winning the
Silver Award at the Invention, Innovation, and Design Exposition (IIDEX) 2025
 for the project
SMARTFOCUS: AI-DRIVEN ATTENTION TRACKING SYSTEM FOR INCLUSIVE LEARNING

From
 The Dean and all members of the Faculty of Electrical Engineering, UITM



Congratulations

IR DR WAN ROSMARIA BINTI WAN AHMAD
 DR NORHAZLIN KHAIRUDDIN
 IR TS DR PUTERI SARAH BINTI MOHAMAD SAAD
 PROF IR TS DR AHMAD SABIRIN BIN ZOOLFAKAR
 PROF IR TS DR MOHAMAD HAFIZ BIN MARAT

on winning the
Bronze Award at the Invention, Innovation, and Design Exposition (IIDEX) 2025
 for the project
SYNTHESIS OF HEMATITE NANORODS AND NANOBALLS FOR HUMIDITY SENSING

From
 The Dean and all members of the Faculty of Electrical Engineering, UITM



Congratulations

PROF IR TS DR MOHAMAD HAFIZ BIN MAMAT
 NURUL SYAFIQAH BINTI MOHAMED MUSTAKIM
 DAYANA BINTI KAMARUZAMAN
 MUHAMMAD DZHAHRIUL BIN WAN MUHAMAD ZAMRI
 NORFARARIYANTI BINTI PARIMON
 MOHD FIRDAUS BIN MALEK

on winning the
Bronze Award at the Invention, Innovation, and Design Exposition (IIDEX) 2025
 for the project
GREENICELL HYBRID: PIONEERING HUMIDITY-VIBRATION SYNERGY FOR TRANSFORMATIVE WASTE-TO-ENERGY SUSTAINABILITY

From
 The Dean and all members of the Faculty of Electrical Engineering, UITM



Congratulations

IR TS DR MAIZATUL ZOLKAPLI
 AZWEEN HADJERA HISHAMUDDIN
 PROF. IR. DR. AHMAD SABIRIN ZOOLFAKAR
 PROF. IR. DR. AHMAD ASHRAF A BAKAR
 ASSOC. PROF. TS. DR. ROZINA ABDUL RANI
 TS. CHM. DR. NUR HIDAYAH AZEMAN
 DR MOHD HAFIZ ABU BAKAR
 ASSOC. PROF. DR. FAIRUZ ABDULLAH

on winning the
Bronze Award at the Invention, Innovation, and Design Exposition (IIDEX) 2025
 for the project
SURFACE PLASMON RESONANCE BASED QUASI-DISTRIBUTED OPTICAL FIBER FOR OXYGEN DETECTION

From
 The Dean and all members of the Faculty of Electrical Engineering, UITM



ACHIEVEMENT

FKE Shines at Majlis Sanjung Sarjana 2025

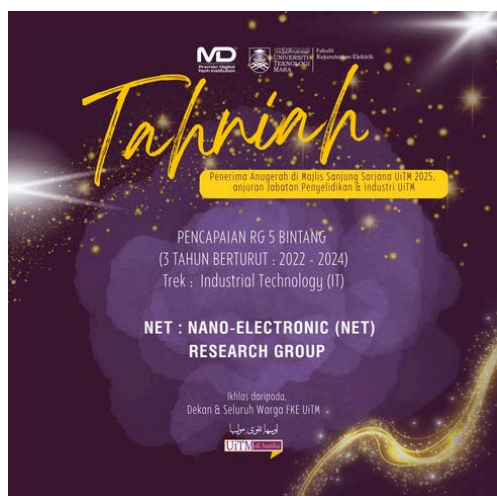
Excellence does not happen by accident. It is built through years of disciplined inquiry, sustained effort, and the courage to pursue work that matters. At Majlis Sanjung Sarjana UiTM 2025, FKE proudly celebrates its scholars whose achievements reflect the depth and maturity of our research culture. These recognitions go beyond individual accolades. They signal the collective strength of FKE in producing research that carries academic weight and real industry relevance. From rigorous laboratory investigations to impactful collaborations with industry partners, each contribution reinforces UiTM's standing as a university that delivers knowledge with consequence. FKE records its appreciation to our researchers, research groups, and industry collaborators who continue to strengthen the research ecosystem. Your commitment ensures that innovation at FKE is not episodic, but sustained, credible, and forward-looking.

This is not about keeping pace. This is about setting the standard, and raising it.



ACHIEVEMENT

FKE Shines at Majlis Sanjung Sarjana 2025



ACHIEVEMENT

FRGS 2025 Grant Award

12 November 2025

Congratulations to Prof. Ir. Gs. Ts. Dr. Norsuzila Ya'acob for successfully securing the Fundamental Research Grant Scheme (FRGS) worth RM140,800.00 for the project titled "Modeling in Dynamic Optimization of Base Station Placement in UAV-Assisted 5G Network Using Reinforcement Learning (RL)." The research team also includes Dr. Zaharah Manap (UTeM), Dr. Nur Khalidah Zakaria, Assoc. Prof. Ir. Dr. Darmawaty Bt Mohd Ali, and Assoc. Prof. Ir. Ts. Dr. Azita Laily Bt Yusof, reflecting a strong collaborative effort in advancing cutting-edge research in UAV-assisted 5G network optimization.



The banner features a background image of a modern building. On the left, the word "Jahniiah" is written in a large, stylized blue script. Below it, the text "Atas Penerimaan" is underlined, followed by "Fundamental Research Grant Scheme (FRGS)" in bold purple. Further down, "Bernilai" is underlined, followed by "RM 140,800.00" in large purple font. At the bottom left, "Ikhtis dari pada:" is underlined, followed by "Dekan, Pengurusan dan Warga Fakulti Kejuruteraan Elektrik". On the right side, the logo of Universiti Teknologi MARA and the text "Fakulti Kejuruteraan Elektrik" are at the top. Below them, "Bagi Projek" is underlined, followed by the project title "Modeling in Dynamic Optimization of Base Station Placement in UAV-Assisted 5G Network Using Reinforcement Learning (RL)" in bold purple. A purple arrow points to the name "PROF. IR. GS. TS. DR. NORSUZILA YA'ACOB" and "Ketua Projek". To the right of the arrow is a portrait of Prof. Ir. Gs. Ts. Dr. Norsuzila Ya'acob. Below the arrow, "Ahli Penyelidik Bersama" is underlined, followed by four circular portraits of the other team members: Dr. Zaharah Manap (UTeM), Dr. Nur Khalidah Zakaria, Prof. Madya Ir. Dr. Darmawaty Bt Mohd Ali, and Prof. Madya Ir. Ts. Dr. Azita Laily Binti Yusof. Their names and affiliations are listed below each portrait.

Jahniiah

Atas Penerimaan

Fundamental Research Grant Scheme (FRGS)

Bernilai

RM 140,800.00

Ikhtis dari pada:

Dekan, Pengurusan dan Warga
Fakulti Kejuruteraan Elektrik

Bagi Projek

Modeling in Dynamic Optimization of Base Station Placement in UAV-Assisted 5G Network Using Reinforcement Learning (RL)

PROF. IR. GS. TS. DR. NORSUZILA YA'ACOB
Ketua Projek

Ahli Penyelidik Bersama

DR ZAHARAH MANAP
UTeM

DR NUR KHALIDAH
ZAKARIA

PROF. MADYA IR. DR. DARMAWATY BT MOHD ALI

PROF. MADYA IR. TS. DR. AZITA LAILY BINTI YUSOF

ACHIEVEMENT

IPC Certified Interconnect Designer (CID) certification

24 October 2025

Congratulations to the FKE Academic Team on successfully obtaining the Omada Certified Network Associate (OCNA) Certification by TP-Link. This achievement reflects the team's strong commitment to staying current with industry-relevant network technologies and continuously strengthening teaching and technical expertise.



IPC Certified Interconnect Designer (CID) certification

17 November 2025

13 FKE academicians have successfully achieved the IPC Certified Interconnect Designer (CID) certification, demonstrating their dedication, continuous learning, and commitment to excellence in PCB design and adherence to industry-standard practices. This accomplishment highlights the faculty's efforts to maintain high professional standards and advance expertise in electrical engineering education and research.



ACHIEVEMENT

National Recognition for Scholarly Excellence

3 December 2025

Congratulations to Prof. Ir. Dr. Ahmad Sabirin Zoolfakar, together with all co-authors, on receiving the Education & Academic Award: Best Social Science Book, conferred by the National Book Development Foundation on 3 December 2025.

This achievement reflects the continued contribution of the FKE community to scholarly writing and the strengthening of academic culture at the national level. May this success continue to inspire the wider academic community.



ACHIEVEMENT

PDTI Recognition Renewed, Excellence Reaffirmed

8 December 2025

Congratulations to the entire FKE staff and students on the renewal of its recognition as a Premier Digital Tech Institution (PDTI) for the period 1 January 2026 to 31 December 2028. Our sincere appreciation to MDEC for the continued trust and confidence. Together, we move forward in shaping outstanding graduates in digital technology and engineering, ready to lead and make impact.



STUDENT ACHIEVEMENT

FKE Best Graduate Award 2025



APPOINTMENTS



Leadership Recognised at National Level

Heartiest congratulations to Prof. Ir. Dr. Nofri Yenita Dahlan on her appointment as Fellow, Industry Advocacy Group (IAG) by MIMOS Berhad, effective 3 September 2025 to 3 September 2026. This appointment reflects trust in her expertise and leadership in advancing industry–academia engagement at the national level.

Contributing Expertise to National Grant Governance

Congratulations to Assoc. Prof. Ts. Dr. Murizah Kassim on her appointment as Project Monitoring Assessor (PMA) for the MDeC Creative-Content Related Grant, effective 22 September 2025 to 21 September 2026. Her role underscores FKE's continued contribution to ensuring rigour, accountability, and impact in nationally funded initiatives.



APPOINTMENTS

Visiting Professor Appointment at L.N. Gumilyov Eurasian National University (ENU), Astana, Kazakhstan

17 November 2025

Congratulations to Assoc. Prof. Ts. Dr. Murizah Kassim on her appointment as Visiting Professor at L.N. Gumilyov Eurasian National University (ENU), Astana, Kazakhstan, for the period of 27 November 2025 to 26 December 2025. This appointment reflects her outstanding academic contributions and her dedication to strengthening international collaboration in research and education.



International Advisory Appointments

4 December 2025

Congratulations to Assoc. Prof. Ir. Dr. Hasmaini Mohamad and Ir. Dr. Nina Korlina Madzhi on their appointment as Advisory Board Members for the Faculty of Engineering, Universitas Widyatama, Indonesia (Academic Year 2025/2026)

Their expertise and long-standing contributions continue to strengthen UiTM's global academic engagement.



APPOINTMENTS

Teaching Across Borders

4 December 2025

Congratulations to Prof. Madya Ir. Ts. Dr. Fadhlán Hafizhelmi Kamaru Zaman., Dr. Norhafizah Burham, Prof. Madya Ts. Dr. Zakiah Mohd Yusoff on their appointment as Guest Lecturers for the Academic Year 2025/2026 at the Faculty of Engineering, Universitas Widyatama, Indonesia. Their commitment and subject expertise continue to strengthen FKE's international academic engagement and collaboration.



APPOINTMENTS

Leading the Way in National Curriculum Development

Congratulations and highest appreciation to Assoc. Prof. Ir. Ts. Dr. Rahimi Baharom on his appointment as the Curriculum Advisor for Program Diploma Kejuruteraan Elektrik bagi Jabatan Pendidikan Politeknik and Kolej Komuniti, Kementerian Pendidikan Tinggi (2025–2026).



Leading Collaboration Across Campuses

Congratulations to Assoc. Prof. Ts. Dr. Zakiah Mohd Yusoff on her appointment as Liaison Officer (LO) for Bitcom at the Faculty and Branch Campus, appointed by the Deputy Vice-Chancellor (Research & Innovation). The appointment is effective from 1 July 2025 to 31 October 2027, reflecting her dedication to fostering collaboration and innovation within the university.

APPOINTMENTS

Taking Charge of FKE's Ranking Agenda

Congratulations to Assoc. Prof. Ir. Dr. Darmawaty Mohd Ali, Assoc. Prof. Ts. Dr. Roslina Mohamad, and Assoc. Prof. Ts. Dr. Zakiah Mohd Yusoff on their appointment as Ranking Champions for the Faculty of Electrical Engineering for the term 16 May 2025 to 15 May 2027. This appointment reflects confidence in their leadership and judgement to strengthen FKE's performance, visibility, and standing at both national and international levels.



APPOINTMENTS

FKE at the Heart of Global Engineering Leadership

FKE congratulates Prof. Ir. Dr. Rozita Jailani on her appointment as a Member of the IEEE Educational Activities Program Committee, and Prof. Ir. Dr. Zuhaina Hj. Zakaria on her appointment as a Member of the IEEE MGA Training Committee, both for the 2026 term. These international appointments reflect the depth of expertise and leadership within FKE, and highlight the faculty's active contribution to shaping engineering education and professional development within the global IEEE community.



STUDENT APPOINTMENTS

FKE Student Representative Committee 2025/2026

New Voices for the FKE Student Community

Congratulations to Muhammad Aiman Hakimi bin Mohd Borhan and Iylia Hazirah binti Halim on their appointment as members of the FKE Student Representative Committee for the 2025/2026 session. May you continue to excel in leading, contributing ideas, and being the voice of the FKE student community.





EDITORIAL TEAM

EDITORIAL ADVISOR:

PROFESSOR IR DR AHMAD FARID ABIDIN@BHARUN

CHIEF EDITOR:

TS. DR A'ZRAA AFHZAN AB RAHIM

EDITOR:

DR NAJIDAH HAMBALI

IR DR WAN ROSMARIA WAN AHMAD

FACULTY OF ELECTRICAL ENGINEERING, UITM SHAH ALAM