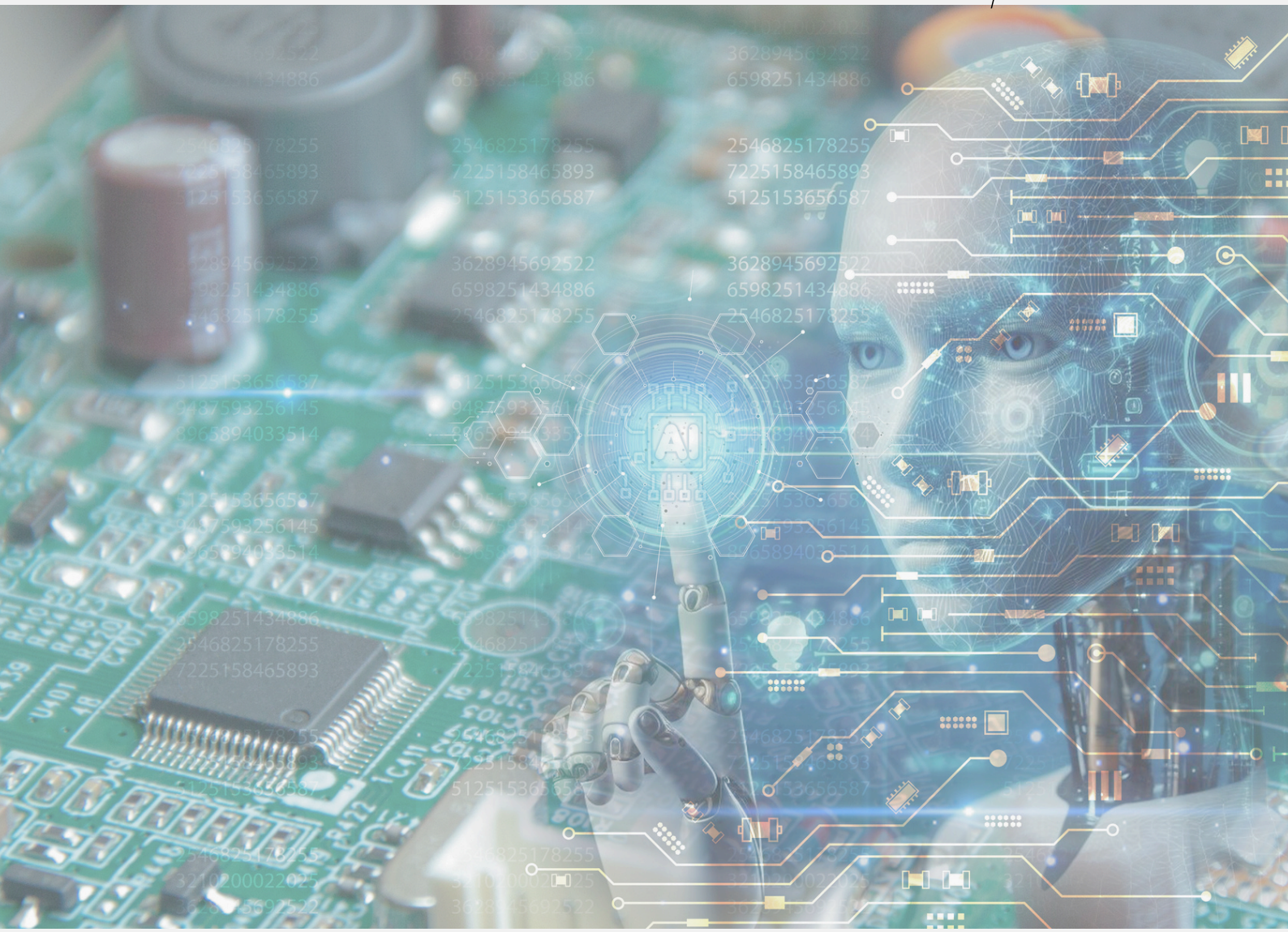
Volume 02 /Issue 03



ELECTRO MATTERS

Jul-Sep 2025

Faculty of Electrical Engineering, UiTM Shah Alam

FKE: Fostering Electropreneurial Leaders

IN THE SPOTLIGHT

Industry Talk with Global Semiconductor Leader

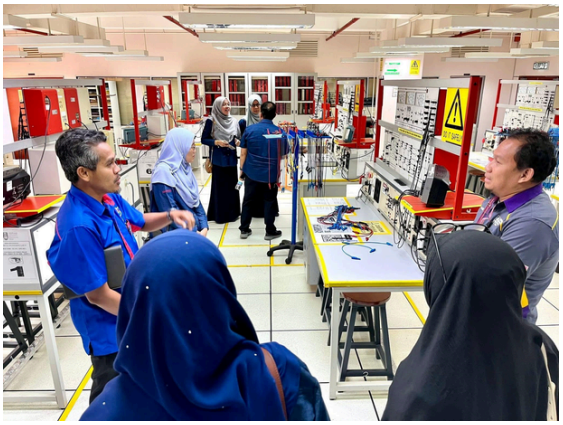
2 July 2025

FKE hosted an exclusive talk by Dr. Chiang Shang-Yi, Director at Foxconn and former Co-COO of TSMC. The event was graced by UiTM Vice-Chancellor YBhg. Prof. Datuk Ts. Dr. Shahrin bin Sahib @ Sahibuddin, Deans, and other distinguished guests. Dr. Chiang shared his vast experience in IC research, industry trends, and strategic leadership in the global semiconductor field. FKE expressed appreciation to ASEM, SIDEC, and all parties involved for their support in making the program a success.









Benchmarking Visit from Politeknik Ibrahim Sultan

2 July 2025

FKE received a benchmarking visit from the Department of Electrical Engineering, Politeknik Ibrahim Sultan. The visit, held from 9:00 AM to 1:00 PM at Bilik Mesyuarat As-Syafie, Level 7, Menara 2, aimed to share best practices and strengthen academic development for the Bachelor of Electrical and Electronic Technology Engineering with Honours (CEEE260) program.

IN THE SPOTLIGHT

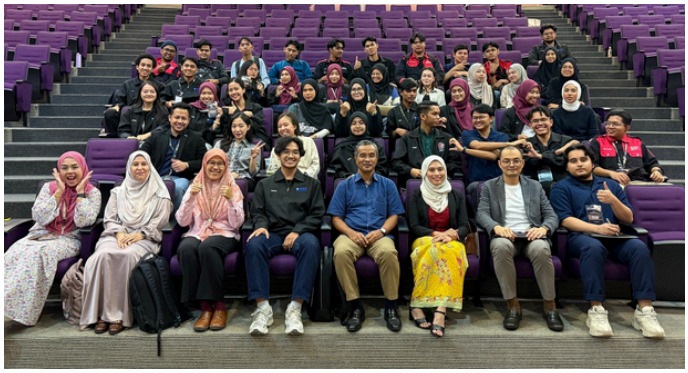
Aspirasi UTAMA Module Program

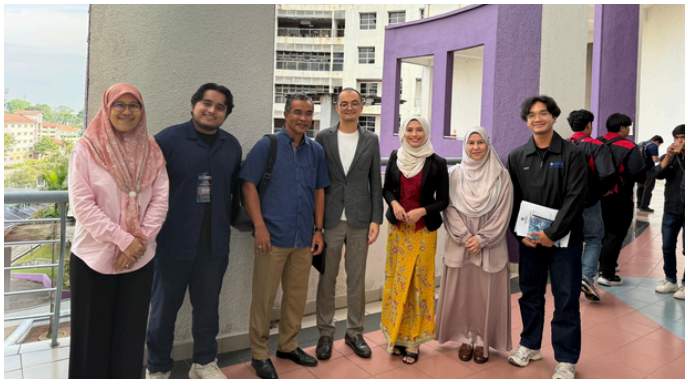


4 July 2025

FKE in collaboration with the Institut Kegiatan Pelajar (IKP), held the Aspirasi UTAMA Module Program (Aspirasi 3 and 4) for undergraduate students of the March–August 2025 session.

The program took place from 2:45 PM to 7:15 PM at Dewan Kuliah H, Kompleks Kejuruteraan. Attendance was compulsory for Semester 2 students, and the session aimed to support student development under the Aspirasi UTAMA framework.





Tea Time Series: Engineering's Journey

4 July 2025

FKE organized the Tea Time Series: Engineering's Journey forum. The session featured speakers who shared personal experiences, career insights, and challenges in the engineering field. FKE extended appreciation to the speakers and participants for their contributions, hoping the forum will continue to inspire future engineers.

IN THE SPOTLIGHT

Collaborative Teaching on IoT Technology

5 July 2025

A collaborative teaching session was conducted for courses EEE512 and ECM420 on Saturday, 5 July 2025. The lecture, titled "Massive IoT Technology and the Wave Spectrum Connectivity", was delivered by Dr. Hizamel bin Mohd Hizan, Director of the Center of Excellence for Intelligence Network, TM R&D. The online session via Google Meet ran from 9:00 AM to 11:00 AM and was attended by students and staff.







EEE630 Final Presentation Showcased Student Prototypes

9 July 2025

FKE held the Final Presentation for course EEE630 at the TuT Laboratory, Level 5, Tower 1. Students presented their prototypes to a panel of industry experts as part of their course assessment. The session featured panels from Altera, Angkasa-X, Synerwell, and Infineon, who provided constructive feedback and professional insights. Their contributions enriched the students' learning experience and offered valuable guidance for their future careers.

IN THE SPOTLIGHT





Industry Advisory Panel (IAP) Visit – EE222 Programme

14 July 2025

FKE welcomed the Industry Advisory Panel (IAP) for the Bachelor of Electronic Engineering with Honours (EE222). The panel members present were Ts. Dr. Shahrul Yazid Yahaya from CREST, Ir. Wan Adnan Bin Wan Chik from Technogress Sdn. Bhd., Eur Ing. Ir. Ts. Rasidi Mohamad CEng-MIET from Petronas, and Syed Khairulazrin Syed Khairuldin from GSMA. The visit was conducted with the full cooperation of FKE lecturers and staff in providing the necessary information requested by the panel. Discussions during the visit were aimed at ensuring that the EE222 programme continues to meet the standards EAC.

Industry Advisory Panel (IAP) Visit – EE223 Programme

15 July 2025

FKE welcomed IAP for the Bachelor of Electrical Engineering Technology with Honours (EE223) program. The panel members were Ir. Ilham Akhbar Harun (Prodana Wawasan Consulting Engineer Sdn. Bhd.), Ir. Azril Hisham (Vision Petroleum International), and Ir. Azwanizam Che Abd Rahman (Petronas). With the cooperation of FKE lecturers and staff, the visit focused on ensuring that the EE223 programme continues to meet the standards of the EAC.





IN THE SPOTLIGHT



FKE Launches "Pit Stop HEP @ FKE" Initiative to Support Students During Exams

21 July 2025

FKE in collaboration with the Student Representative Council and the FKE Student Secretariat, has introduced the Pit Stop HEP @ FKE initiative to support students during the examination season. Launched at Level 9, Tower 2, Faculty of Electrical Engineering, the programme provides food and drinks to students in need, helping ease their burden while they focus on their studies. Faculty members and the wider community are encouraged to contribute, with organisers highlighting that every donation, regardless of size, will have a meaningful impact.

MQF2.0 (2024) Alignment Workshop

18 July 2025

FKE held the MQF2.0 (2024) Alignment Workshop to review and prepare assessment documents for several academic programs. The programs involved were CEEE222, CEEE223, CEEE260, and CEEE700 The workshop took place at the Smart Classroom, FKE, from 8.00 a.m. to 5.30 p.m., and aimed to ensure all programs meet the latest MQF2.0 standards.





IN THE SPOTLIGHT





Dean's Visit During Final Examination at FKE

23 July 2025

FKE dean, Prof. Ir. Dr. Ahmad Farid Abidin @ Bharun, visited the final exam halls to observe the July 2025 examinations. A total of 87 students from the Bachelor of Electronic and Electrical Engineering programmes took part. He was joined by faculty management, who reviewed exam preparations, procedures, and student support. The visit shows FKE's commitment to ensuring exams run smoothly and professionally, while supporting students in their academic journey.

Engineering Faculties Welcome Inbound Mobility Students from France

8 August 2025

Engineering faculties welcomed Mariem Boudhib and Chaima Alaoui Ismaili from Polytech Marseille, Aix-Marseille University, France, under the Inbound Mobility Program from 19 May to 8 August 2025. Supervised by Dr. Siti Lailatul Mohd Hassan (FKE) and Prof. Ir. Dr. Muhammad Azmi Ayub (FKM), the students gained hands-on experience in laboratory work, technical analysis, and project development. The program not only enhanced their technical skills but also fostered cross-cultural exchange and strengthened collaboration between UiTM and Aix-Marseille University.





IN THE SPOTLIGHT





International Conference on Modern Sustainable Systems (CMSS 2025)

12 August 2025

FKE in collaboration with RVS College of Engineering and Technology, India, successfully hosted the International Conference on Modern Sustainable Systems (CMSS 2025). The event provided a platform to share technological advancements, exchange innovative ideas, and foster international collaboration in sustainable system development.

FKE participates in Malaysia NetAcad Instructor Conference 2025

12 Aug 2025

Cisco-certified instructors from the FKE participated in the Malaysia NetAcad Instructor Conference 2025 at UTeM, Melaka. The two-day event featured technical updates, a hands-on Cisco Modeling Labs (CML) workshop, the Explore Race around Melaka city, and networking with instructors nationwide.The conference equipped participants with fresh skills and insights to keep UiTM students ahead in the fast-changing world of networking and technology.





IN THE SPOTLIGHT

Live Broadcast: Empowering Skilled Workforce and Innovation in the Industrial Sector

12 August 2025

FKE was featured in a live broadcast titled "SPM: Empowering Skilled Workforce and Innovation in the Industrial Sector", presented by AP Dr. Wan Fazlida Hanim Abdullah, Chairperson of the UiTM Semiconductor Steering Committee. The session highlighted strategies to strengthen Malaysia's skilled talent pool while driving innovation to meet the evolving needs of the industrial sector.









CCNAv7 Instructor Training at FKE UiTM Shah Alam

15 August 2025

FKE recently hosted the CCNAv7 Instructor Training, covering three modules: ITN, SRWE, and ENSA. The three-week program combined face-to-face and online sessions, enabling UiTM lecturers and fellow academics to gain hands-on networking skills and pursue Cisco Instructor certification in line with global Cisco Networking Academy standards.

IN THE SPOTLIGHT

Visit from Southern University of Science and Technology (SUSTECH), China

18 August 2025

FKE welcomed a delegation from the Southern University of Science and Technology (SUSTECH), China. The visit served as a platform to exchange knowledge, explore research collaborations, and strengthen academic ties between UiTM and SUSTECH in advancing engineering education and innovation.







STEM Robotic: My Robot Explorer Challenge

21 August 2025

FKE in collaboration with the IEEE Photonics Society Malaysia Chapter (MyIPS), organized the "STEM Robotic: My Robot Explorer Challenge" at SK Salak, Bandar Baru Salak Tinggi. The program engaged Year 4 and Year 5 pupils in hands-on robot assembly using Arduino, aiming to spark interest in STEM, nurture creativity, and build a strong foundation in technology from an early age. This initiative is in line with UiTM's mission to produce a tech-savvy generation ready for the Industrial Revolution 5.0.

IN THE SPOTLIGHT

Perfect Score 2025 Program Visit SM Sains Kuala Selangor

25 August 2025

FKE hosted a visit from SM Sains Kuala Selangor under the Perfect Score 2025 Program. A total of 80 students took part in engaging activities and lab visits at FKE, gaining early exposure to the world of engineering and technology. The program aimed to inspire students to pursue excellence in STEM, while fostering interest in future studies within the engineering field.









Building Future-Ready Talent: FKE UiTM and TP-Link Chart New Paths in Tech Education

10 September 2025

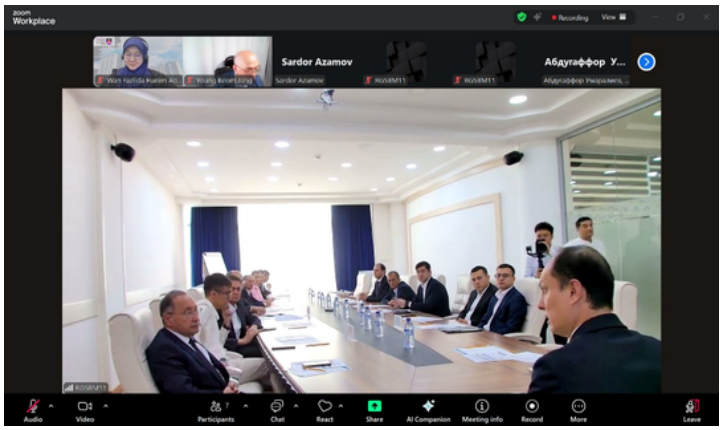
A delegation from FKE UiTM visited TP-Link Malaysia in Kuala Lumpur to explore avenues for collaboration. Discussions centered on education (certification and training), research, and student internships, reflecting shared commitment to nurturing future-ready talent. The visit also included a tour of TP-Link's state-of-the-art training facilities, featuring their impressive training wall setup. This engagement marks a step forward in creating meaningful opportunities for students while reinforcing strong industry-academia collaboration.

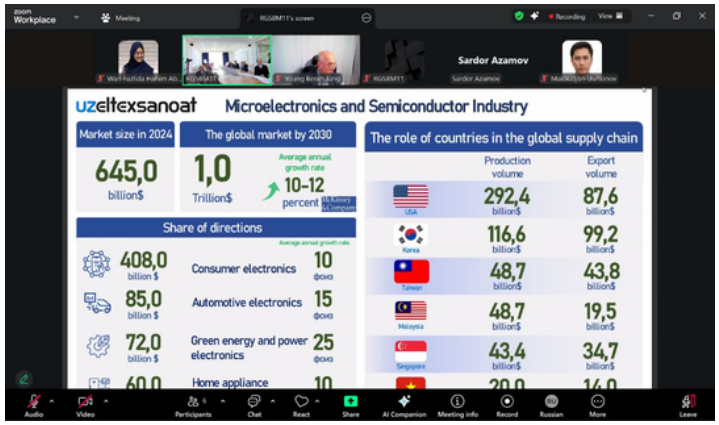
IN THE SPOTLIGHT

Strengthening Global Ties in Semiconductor Development

24 September 2025

Assoc. Prof. Dr. Wan Fazlida Hanim Binti Abdullah from FKE participated as an expert speaker in the Roundtable Discussion on Semiconductor Industry Development hosted by the Graduate School of Business and Entrepreneurship, under the Cabinet of Ministers of the Republic of Uzbekistan. Her presentation, "Malaysia's Semiconductor Industry: Challenges and Opportunities for Enhanced Competitiveness", offered critical insights into Malaysia's semiconductor landscape, higher education's role in talent development, and UiTM's best practices in industry-academia collaboration. The Graduate School expressed appreciation for her contribution, noting that her expertise enriched Uzbekistan's strategic dialogue on building a competitive semiconductor ecosystem and laid the groundwork for future collaboration.







WORKSHOP

UiTM Engineering Students Awarded HIRARC Certification



11 July 2025

Thirty-four BTech students from FKE have completed the Hazard Identification, Risk Assessment, and Risk Control (HIRARC) Certification Programme. Certificates were presented by Associate Professor Ir. Ts. Dr. Husna Zainol Abidin, Deputy Dean (Academic), FKE. The program is endorsed by Utechtium Sdn Bhd, a UiTM start-up led by Professor Ir. Dr. Ahmad Asari Sulaiman.

The certification equips students with workplace safety knowledge, including hazard identification, risk assessment, and control measures. Dr. Husna congratulated the students, highlighted the importance of safety in today's workforce, and acknowledged Associate Professor Dr. Mohamad Fahmi Bin Hussin and Utechtium Sdn Bhd for their support. This initiative reflects FKE's commitment to preparing industry-ready graduates with real-world skills in occupational safety and risk management.

WORKSHOP

UiTM Staff Trained in Advanced IC Fabrication and Assembly at ADTEC Taiping

2 - 6 September 2025

From 2–6 September 2025, UiTM lecturers from FKE Shah Alam, FKE Penang, FKE Pasir Gudang, and FSG Shah Alam took part in industrial training at ADTEC Taiping on Advanced IC Fabrication (Front-End) and Advanced IC Assembly (Back-End).

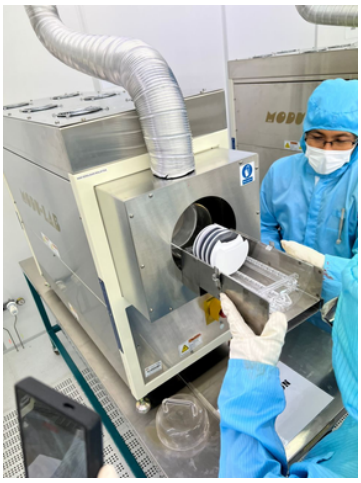
The fabrication program, joined by 12 lecturers, focused on key wafer processes such as oxidation, photolithography, etching, diffusion, ion implantation, thin film deposition, and process integration. The assembly program, involving 15 lecturers, covered package types, die attach, wafer mounting, wire bonding, molding, plating, trimming and forming, dambar cutting, crop procedures, and product testing. the training were conducted by experienced ADTEC trainers, both programs emphasized practical exposure alongside theory. Aligned with the 2025 Semiconductor Budget, this initiative enhances UiTM's teaching and research capacity, equipping lecturers with industry-relevant expertise to strengthen curriculum development, applied research, and support for Malaysia's rapidly growing semiconductor sector.

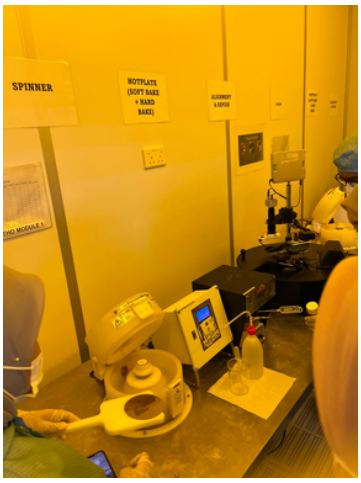












COMMUNITY

STEM4FUN Inspires Form 3 Students at SMK Bandar Saujana Utama (2)

4 July 2025

FKE students partnered with SMK Bandar Saujana Utama (2) for the STEM4FUN outreach program. Guided by Ir. Dr. Maizatul Zolkapli and Prof. Ir. Dr. Ahmad Sabirin Zoolfakar, 32 facilitators engaged 150 Form 3 students in hands-on STEM activities. Students explored circuits with Electronic Blocks, learned about sensors (light, water, tilt, vibration), and tried projects like Micro:Bit robots and Edu:Bit kits, making STEM fun and interactive. The program sparked interest in STEM while promoting teamwork and communication, supported by IEEE, IEEE Women in Engineering, and FKE.









TVET Success Story Engagement Program at SMAP Kajang

9 July 2025

Sekolah Menengah Agama Persekutuan (SMAP) Kajang hosted the TVET Success Story program with speakers Ir. Abdul Karimi Halim and Mr. Mohd Saufy Rohmad from FKE. The session introduced students to UiTM's degree programs, especially in Electrical & Electronic Engineering and the growing Semiconductor industry. Students learned about study pathways from SPM to university, career opportunities in AI, embedded systems, IC Design, and Semiconductors, as well as the importance of technical skills and innovation. The interactive program inspired students to explore engineering careers and highlighted their role in building Malaysia's future-ready workforce.

BENCHMARKING





Benchmarking Visit from UMPSA

9 July 2025

FKE received a benchmarking visit from the Faculty of Electrical and Electronic Engineering Technology, Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA).

The session, held from 9:30 AM to 1:00 PM at Bilik Mesyuarat As-Syafie, Level 7, Menara 2, focused on sharing best practices for the Bachelor of Electrical and Electronic Technology Engineering with Honours (CEEE260) program.

Benchmarking Visit from Kolej Vokasional Klang

13 August 2025

FKE welcomed a delegation from Kolej Vokasional Klang for a benchmarking visit. The visit provided a valuable platform for knowledge sharing and academic exchange, focusing on best practices in teaching, learning, and program development. It also served to strengthen collaboration between FKE and vocational education institutions, supporting the collective goal of nurturing future-ready graduates.



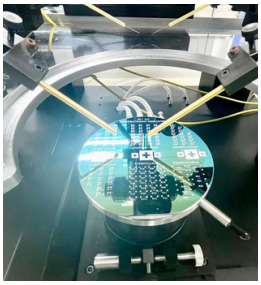


BENCHMARKING

FKE Strengthens Semiconductor Benchmarking with FKTEN UniMAP, FKE UiTM Pulau Pinang, and CEDEC USM
















24 - 26 September 2025

FKE conducted a benchmarking visit to FKTEN UniMAP, FKE UiTM Pulau Pinang, and CEDEC USM to strengthen academic and technical expertise in semiconductors. At FKTEN UniMAP, the team visited cleanroom facilities, infrastructure, maintenance, safety, human resources, financial aspects, monitoring practices, and the integration of teaching, learning, and research equipment. The visit to FKE UiTM Pulau Pinang focused on academic collaboration, best practices in laboratory and facility management, and procurement updates for semiconductor education. The program concluded at CEDEC USM, where participants explored expertise in microelectronic design, system integration, IC testing, and application management, while gaining exposure to the latest semiconductor technologies and exchanging ideas on developing centers of excellence. This three-day initiative offered valuable insights into academic and technical management and reaffirmed FKE's commitment to advancing semiconductor education in line with Malaysia's needs in semiconductor industry growth.

PROMOTIONS

Congratulations to Professor Ir. Dr. Rozita Jailani on her promotion to Professor Special Grade C (VK7). Wishing her continued excellence in academia, research, and community service.



ACHIEVEMENT

UiTM Eco Centric Team Shines at FIRA RoboWorld Cup 2025

The UiTM Eco Centric Team from FKE won 2nd Place (Silver) in the Urban Driving Autonomous Car Challenge at the 18th Malaysia FIRA RoboWorld Cup 2025, held on 21–26 June at Politeknik Merlimau, Melaka.

Led by Ir. Ts. Gs. Dr. Mohamad Farid Misnan, the team members were Muhammad Farez Amirul bin Khairulhisham, Muhammad Faris Izdihar bin Abdul Aziz, Muhammad Fareez Asyraf bin Istas Fahrurrazi, and Nur Aleyasha binti Mohd Johan. This success showcases FKE's strength in autonomous driving technology and its commitment to innovation, smart mobility, and preparing future-ready graduates.







Global Recognition: UiTM Earns Spot in QS Subject Rankings 2025

UiTM has been listed in the QS World University Rankings by Subject 2025 under Engineering – Electrical & Electronic. This achievement reflected the university's ongoing commitment to academic excellence and innovation in the field of Electrical & Electronic education.

ACHIEVEMENT





Congratulations to Ir. Ts. Mohd Fuad Abdul Latip who has been recognised as an ASEAN Chartered Professional Engineer (ACPE) by the ASEAN Chartered Professional Engineer Coordinating Committee (ACPECC) and Ir. Ts. Gs. Mohamad Farid Misnan on obtaining the title Professional Geospatialist (Gs) awarded by the Institution of Geospatial and Remote Sensing Malaysia (IGRSM).



Congratulations to Assoc. Prof. Ir. Ts. Dr. Husna Zainol Abidin and team for securing the Higher Education Research Grant (GPPT) with the project titled "Utilizing Large Language Model (LLM) for Malaysia Qualifications Agency (MQA) Accreditation Document Review."

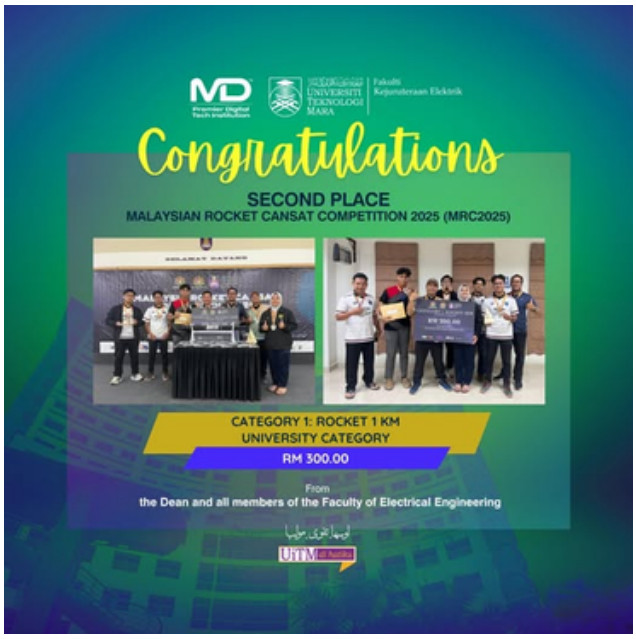
ACHIEVEMENT



Congratulations to Assoc. Prof. Ir. Dr. Nur Ashida Salim, Dr. Lyly Nyl Ismail, and Dr. Nor Zulaily Mohamad for securing the Silver Award at the International E-Content Virtual Development Competition (ECONDEV) with their project on Power Engineering. Their success is a powerful reminder that FKE talent does not just compete, it inspires and leads.



Congratulations to Ts. Dr. Ezmin Abdullah, Dr. Nur Khalidah Zakaria, and Ir. Dr. Syahrul Afzal Che Abdullah for clinching the Silver Award at the International E-Content Virtual Development Competition (ECONDEV) with their project on IoT and Data Analytics. This achievement showcases the strength of FKE in driving forward ideas that matter, proving once again that our talent is shaping the future.



Congratulations to our students for winning Second Place in the Malaysian Rocket Cansat Competition (MRC2025), Category 1: University.

Advisors: Mohamad Mazwan Bin Mahat, Dr. Norhafizah Binti Burham

Team Members: Afiq Syarmin Bin Azizan, Muhammad Aiman Hakimi Bin Mohd Borhan, Muhammad Syamil Bin Nazri, Faiqah Nadhirah Binti Zaizul Jifri, Muhammad Nor Ikhwan Bin Mohd Nasaran, Muhammad Izzulwafiq Bin Mohd Fadzli, Ahmad Aiman Bin M. Azmi.

ACHIEVEMENT



Congratulations to Muhamad Arif Firdaus Bin Ahmad for winning the 2025 IEEE Electron Devices Society (EDS) Malaysia Chapter Excellence Award for the best Final Year Project in the field of Micro and Nanoelectronic Devices. His project, "Lead-Free Piezoelectric Device using Solid State Reaction Method of BCZT for Energy-Harvester Applications", was carried out under the supervision of Dr. Norhafizah Binti Burham. This achievement highlights the strong innovation culture at FKE and our students' ability to contribute to cutting-edge advancements in electronic devices.

ACHIEVEMENT

Congratulations to all recipients of the Excellent Service Award 2024 for your dedication, commitment, and outstanding performance in carrying out your responsibilities. May this achievement inspire you to continue delivering the best and excellent service in the future.















ACHIEVEMENT

Congratulations to all recipients of the Excellent Service Award 2024 for your dedication, commitment, and outstanding performance in carrying out your responsibilities. May this achievement inspire you to continue delivering the best and excellent service in the future.















APPOINTMENTS

Strengthening FKE through CEO@Faculty Appointment

We proudly congratulate Dato' Ir. Mohd Nor Ismail, Director of Metro Harapan Sdn. Bhd., on his appointment as a CEO@Faculty Programme member for FKE, effective 1 August 2025 to 31 December 2026. His expertise and leadership will be invaluable in strengthening FKE's role in advancing higher education and industry collaboration.







APPOINTMENTS



FKE's Global Footprint Expands to China

Congratulations Dr. Mohd Abdul Talib bin Mat Yusoh on his appointment as Academic Visiting Scholar at Liming Vocational University, China, from 8 – 17 September 2025.

FKE Leadership Recognized on International Editorial Board

Congratulations to Ir. Ts. Gs. Dr. Mohamad Farid Misnan on his appointment as a member of the International Editorial Board of the Scientific Journal of Mechanical Engineering Kinematika, Universitas Lambung Mangkurat, Indonesia. This appointment reflects his academic excellence and strengthens FKE's visibility in the international research community.



APPOINTMENTS

Adjunct Professor Appointment

25 August 2025

Congratulations to Professor Ir. Dr. Ismail Bin Musirin on his appointment as an Adjunct Professor at the Faculty of Vocational Studies, Universitas Brawijaya, Indonesia. FKE UiTM is proud of this achievement and wishes him continued success in bringing recognition to the faculty and the university.





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