



SUSTAINABLE DEVELOPMENT GOALS REPORT

UNIVERSTI TEKNIKAL MALAYSIA MELAKA

2024

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Preface

This report highlights Universiti Teknikal Malaysia Melaka (UTeM)'s strong commitment to sustainable development through education, innovation, and collaboration. In 2024, UTeM achieved significant recognition, including being listed in the QS World University Rankings: Sustainability 2024. The university also retained its 3-Star Energy Management Gold Standard (EMGS) Certification, showcasing its leadership in clean energy and climate action. These accomplishments reflect UTeM's dedication to the Sustainable Development Goals (SDGs) and its role in promoting sustainability in higher education.

UTeM also took major steps in environmental conservation and technical education. A key initiative was a beach cleanup at Taman Laut Melaka, engaging local and international participants in protecting marine life. This effort supported global goals for climate action and ocean conservation. Additionally, UTeM's Vice-Chancellor, Professor Datuk Ts. Dr. Massila Kamalrudin, was honored at the Malaysia Education and TVET Awards (META) 2024 for her contributions to technical and vocational education. These achievements strengthen UTeM's reputation as a leader in sustainability and innovation.

This report serves as a guide for stakeholders, policymakers, and partners working towards a more sustainable and inclusive future. UTeM's 2024 accomplishments show the power of education, research, and collaboration in driving positive change. By continuing to innovate and build strong partnerships, UTeM sets a high standard for institutions worldwide, proving that education and sustainability go hand in hand.

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1 NO
POVERTY



SDG 1: No Poverty

FPTT Iftar Contribution 2024



The FPTT Iftar Contribution Programme is an initiative aimed at providing iftar meals to orphanages and underprivileged groups (asnaf). Through this programme, students contribute to alleviating the financial burden of managing these welfare homes while also fostering stronger ties between the FPTT community and the *Pertubuhan Kebajikan Anak-anak Harapan* (Children of Hope Welfare Organisation).

Furthermore, the faculty can normalise a culture of empathy among FPTT members, fostering a sense of compassion and sensitivity towards the less fortunate. At the same time, this initiative serves to educate FPTT students on the importance of gratitude for the blessings of love and family bestowed by Allah SWT.

Kota Tinggi Flood Relief Programme: The Office of the Deputy Vice-Chancellor (Student Affairs & Alumni) in Collaboration with the Islamic Centre



Alhamdulillah, the mission of delivering 50 food aid boxes to flood victims has been successfully completed. The aid was received by local leaders and community representatives in Kota Tinggi, Johor, as well as members of the local community, some of whom were also present at the handover programme.

Back-to-School and Aidilfitri Benevolence Programme 2024



The initiative aims to provide school essentials and alleviate the financial burden of underprivileged *asnaf* groups within the broader Melaka community. A total of 49 *asnaf* children from SK Parit Melana and SK Belimbing Dalam have been sponsored, each receiving benefits worth RM150 to purchase school supplies and Eid al-Fitr necessities at Mydin, MITC.

Raya Shopping Programme 2024



Shopping Raya 2024
bersama
FTMK Universiti Teknikal Malaysia Melaka

Sasaran penerima:
35 pelajar (sekolah rendah & menengah), anak-anak yatim, fakir miskin dan asnaf di sekitar Melaka Tengah.

Hulur sumbangan:
1541 3806 6684 (Maybank)
JK Khidmat Masyarakat FTMK
email salinan transaksi kepada:
mashanum@utem.edu.my

Nilai manfaat:
RM 150/
seorang

Info program:
<https://www.facebook.com/myftmk>
PIC: Ts. Zakiah (019-6494481)

Anjuran: JK ICT & Masyarakat FTMK

A programme aimed at assisting in the purchase of essentials for celebrating Hari Raya Aidilfitri for orphans, the underprivileged, and *asnaf* students in schools across the Melaka Tengah district. This initiative aligns with SDG 1—Efforts to reduce poverty gaps within the local community.

Programme: Building Bonds, Transforming Lives



The "Building Bonds, Transforming Lives" programme was held at Masjid Muhammadi Angkasapuri RTM, featuring activities such as cooking and distributing *bubur lambuk*, as well as providing food packs to RTM staff who are *asnaf* or from underprivileged backgrounds.

Grand Iftar Ceremony of the Honourable Minister of Higher Education with the UTeM Family 2024/1445H



The Iftar Programme with the Honourable Minister was graced by the handover of nine new UTeM buses for student use, as well as the distribution of aid and scholarship offer letters to students.

Titian Kasih Ramadan Programme PLH 2024



The PLH community service programme aims to alleviate the burden and bring joy to selected *asnaf* recipient families during Ramadan in preparation for Hari Raya Aidilfitri.

Jalanan Kasih Door-to-Door Outreach Programme



A visitation and outreach programme to support UTeM community members in need. The beneficiaries include widows of former UTeM staff who have passed away. They are provided with cash contributions and essential daily necessities.

Compassionate Visit to the Home of Mr. Azizol bin Pet, a Fire Victim at UTeM



Visiting the family of Mr. Azizol bin Pet, a staff member of FTKM at UTeM, who suffered the misfortune of a house fire in Merlimau, Melaka. Delivering contributions and essential supplies from BAKUTEM and the University.

It is hoped that these contributions from UTeM will, to some extent, help alleviate the burden he and his family are facing as they strive to rebuild their lives.

UTeMku Sayang Welfare Week: Championing Humanitarian Service



An opening ceremony for UTeMku Sayang Welfare Week: Championing Humanitarian Service was held. During this event, various welfare initiatives were announced, including the distribution of RM10,000.00 in zakat as financial aid for students in need.

Additionally, 200 packs of sanitary pads were distributed under Teja's Kit initiative. For students requiring food assistance, a Foodbank distribution was also carried out as a noble effort to ease their burden.

Reaching Out to a New B40 UTeM Student



YBhg. Datuk Deputy Vice-Chancellor of Student Affairs and Alumni at UTeM, representing YBhg. Datuk Vice-Chancellor of UTeM, extended support to Dharshini Subramaniam, a prospective UTeM student from the B40 group. Dharshini is an orphan, lives with her mother who is a Person with Disabilities (PwD) with visual impairment, while her brother was involved in an accident.

During this visit, various contributions and welfare initiatives were provided. It is hoped that these efforts will help ease Dharshini's burden.



2 ZERO
HUNGER



SDG 2: Zero Hunger

Joyous Mahabbah Aidilfitri 1445H Celebration at Universiti Teknikal Malaysia Melaka, Hosted at the PPB & PPSKR Venue



This event aims to celebrate the arrival of the blessed month of Syawal by offering a variety of traditional Hari Raya delicacies to all attending guests.

In doing so, it seeks to strengthen bonds of camaraderie and foster a spirit of unity among staff, students, and the wider community.

Programme Building Bonds, Transforming Lives



The "Building Bonds, Transforming Lives" programme was held at Masjid Muhammadi Angkasapuri RTM, featuring activities such as cooking and distributing *bubur lambuk*, as well as providing food packs to RTM staff who are *asnaf* or from underprivileged backgrounds.

Knowledge Sharing Session (SPI) and PPSKR Staff Birthday Celebration Ceremony



This programme is organised with the aim of fostering a culture of lifelong learning and promoting the exchange of ideas among PPSKR staff.

Additionally, it serves as an occasion to commemorate the birthdays of PPSKR staff members as a means of recognising significant personal milestones. Furthermore, a communal meal is held, where each staff member contributes a dish to be shared and enjoyed together.

Eid Al-Adha Sunnah Prayer & Festive Gathering at UTeM Mosque 1445H/2024M



This event is held to appreciate and recognize the contributions and outstanding achievements of university staff in supporting the development and advancement of UTeM's management. This award is open to all individuals and may be received

regardless of background, gender, or educational qualifications.

Collective Qurban Ritual at Sayyidina Abu Bakar Mosque for the Year 1445H/2024M



The implementation of the Ibadah Korban programme fosters the cultivation of virtuous practices, such as the distribution of sacrificial meat to those in need, while also instilling the spirit of cooperation among UTeM members and the wider community.

Additionally, complimentary meals are provided to guests attending the event at the UTeM Mosque.

Luncheon and Birthday Celebration for the UTeM Publishing Team



The Luncheon and Birthday Celebration of the UTeM Publishing Team aims to commemorate the achievements of the university's publishing staff and celebrate their birthdays.

The Bubur Lambuk Cooking Programme



The Bubur Lambuk Cooking Programme in Conjunction with the Arrival of Ramadan 1445H. Indirectly, this initiative fosters camaraderie among staff, creates opportunities for charitable giving through food contributions, and cultivates a sense of gratitude for the blessings of sustenance.

IPTK & SPS Hari Raya Celebration Ceremony



This Aidilfitri 1445H celebration fosters collaboration between IPTK and SPS. Such a programme also strengthens camaraderie among staff and senior management while extending warm hospitality to UTeM postgraduate students.

Chancellor's Iftar Ceremony



The programme is organised to provide wholesome and nutritious food for breaking the fast.

Chancellery-Level Hari Raya Aidilfitri Celebration at PTj



The programme is organised to provide wholesome and nutritious food in celebration of the festive occasion.

Yassin Recitation Program, Meeting Banquet & Birthday Celebration



The Yassin Recitation Programme, Meeting Banquet, and Birthday Celebration are organised to strengthen the bonds of camaraderie among staff while fostering spiritual values. It is essential to ensure that staff can work in a harmonious environment, thereby contributing to a strong and resilient organisation.

Publisher's Iftar Gathering



This Iftar gathering is part of the "bonding strategy" agenda among the members of the UTeM Publishing Team, aimed at strengthening camaraderie and fostering positive impacts on administrative affairs and task execution.

Ihya Ramadhan Programme by the Chancellery PTJ & Iftar Meal Preparation Session



This programme aims to provide iftar meals for those in need. Additionally, it strengthens bonds of camaraderie and solidarity among the Chancellery staff.

The Iftar Ceremony with the Governor of Melaka, UTeM 2024



Iftar Ceremony with Tun Seri Setia Dr. Haji Mohd Ali bin Mohd Rustam, the Governor of Melaka and Chancellor of UTeM, at Sayyidina Abu Bakar Mosque, UTeM. Attended by 2,000 members of the UTeM community.

Complimentary Breakfast with Students at PLH



This programme aims to assist students in need of food by providing access to shared meals contributed by concerned members of the UTeM community at PLH.



3 GOOD HEALTH AND WELL-BEING



SDG 3: Good Health and Well-Being

Launch Ceremony Program for the 2024 National Anti-Drug Day (HAD) Commemoration at the Melaka State Level



This programme aims to raise public awareness of their role in addressing drug abuse issues and was attended by nearly 700 participants.

A variety of activities were conducted, including the launch gimmick for "Tak Payah Tak Nak", the *Batik Fun Walk* flag-off, sales of SUKA AADK products, registration for the *1 million SKUAD Members Campaign*, the AADK exhibition bus, *Pocket Talk* sessions, the *Mobile Recovery Treatment (MRT)* counter,

interactive games, health screenings, and many other engaging activities.

Detect and Eradicate Dengue



From 9:30 AM to 10:30 AM, the Dengue Prevention Team from PKU conducted a Detect and Eradicate operation to eliminate Aedes mosquito breeding sites, alongside larviciding activities to prevent Aedes mosquito proliferation in the vicinity of Satri Residential College and Al-Jazari Residential College.

F1 Team Health Screening Programme



This program is a collaborative initiative with BGPO, Office of the Registrar. It serves as a health screening initiative for all senior officials of UTeM. As a mobile programme, it is conducted by PTj and PBU, providing services to the entire UTeM community.

Participation in MASUM Phase II



MASUM Phase II participation, organised by the Malaysian University Sports Council (MASUM), is held to identify and nurture talent and athletes at the higher education level.

UTeM Eco Fit 2024 - Recreational Walk



The walk is organised by the UTeM Sports Centre in collaboration with the UTeM Running and Orienteering Club (UROC). This activity covered 6.5 km.

Varsity Sepak Takraw League (VSL) Circuit 2 2024-UMPSA Pekan, Pahang



The TUAH UTeM team will compete in two contested events (Doubles and Inter-Team).

RecCa Flying Fox 2024



A total of 488 participants attended the *Recreation Camp Flying Fox 2024*, organised by the UTeM Extreme Sports & Recreation Club (KeReX) in collaboration with the HEPA Sports Centre, with 80 successful descents conducted.

Provision of Free Vaccination



Cervical cancer is the third most prevalent cancer among women in Malaysia. Human Papillomavirus (HPV) infection is the primary risk factor for the development of cervical cancer.

The Health Centre at Universiti Teknikal Malaysia Melaka (UTeM), in collaboration with the National Cancer Society Malaysia (NCSM), will be organising a free HPV vaccination programme.

The 3rd MTUN Treasurer's Sports Carnival 2024



The UTeM Treasury Office has successfully clinched the title of Joint Overall Champion at the 3rd MTUN Treasury Sports Carnival 2024.

- 🏆 2 Gold Medals
- 🏆 2 Silver Medals
- 🏆 1 Bronze Medal

Heartfelt appreciation and congratulations to the host, the Treasury Office of Universiti Tun Hussein Onn Malaysia (UTHM), for the successful organisation of the 3rd MTUN Treasury Sports Carnival 2024.

First Aid Course



This course provides exposure and training for employees to become qualified first aid assistants. Participants will be taught

essential life support skills, such as CPR, along with other first aid-related aspects, including bleeding and wounds, burns, choking, fractures, and bone injuries.

Mental Health First Aid Course



Participants learned how to assist family members and colleagues in understanding the concept of mental health by guiding them in recognising mental health issues. This course is designed to support adults and is not suitable for adolescents due to medico-legal implications.

Health Screening Programme Series 11/2024, The Office of the Deputy Vice-Chancellor (Research & Innovation)



The Governance & Organisational Management Division, Registrar's Office, in collaboration with the University Health Centre (PKU), organised a Health Screening Programme on 22 August 2024, specifically for staff members of the Office of the Deputy Vice-Chancellor (Research & Innovation), including those from the University Press, SMTC, CRIM, and RICE.

This Health Screening initiative is part of the Healthy Lifestyle Practices Programme by the Registrar's Office, aimed at raising awareness of personal health conditions among UTeM staff.

Healthy Living Talk Show Program: 'Love Your Kidneys'



The program aims to raise awareness among all participants about better kidney care.

OSH Xplorace Programme in Conjunction with UTeM OSH Week 2024



This programme is organised in conjunction with OSH Week and involves all PPP staff, aiming to foster awareness of occupational safety, health, and the workplace environment. As part of the programme, participants are assigned to groups and tasked with knowledge-based assessments on OSH and green practices, physical fitness activities, and group-based exploration within the campus.

Health & Active Programme: Aerobics in Conjunction with OSH Week UTeM 2024



OSH OSH WEEK 2024 features a diverse range of activities, including fitness-related programmes. The aerobics session is one of the key initiatives aimed at fostering a culture of healthy and safe living among the UTeM community.

Safe and Healthy for All, together with the UTeM Family.

Workshop on Safe Work Procedures in Conjunction with OSH Week UTeM 2024



This workshop is delivered by Mr. Ainuddin bin Abu Kasim, Director of the Facilities Management Office. The workshop encourages participation and collaboration between employers and employees to enhance workplace safety and health levels through the JKKP in each office.

It provides a two-way communication forum between employers and employees for the development and dissemination of information related to workplace safety and health.

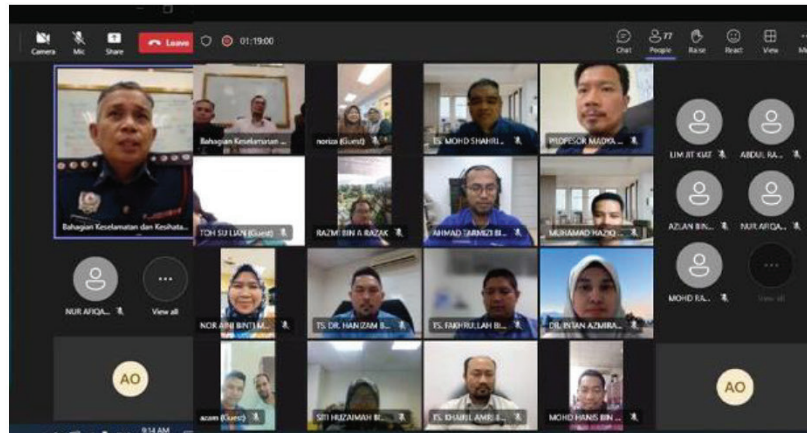
Programme in Conjunction with OSH Week 2024



OSH WEEK 2024 is organising various activities, including fitness activities. This brisk walk programme is one of the initiatives

aimed at promoting a healthy and safe lifestyle among the UTeM community.

OSH Awareness: Fire Safety Management



The talk on fire safety management within buildings was delivered by the Deputy Fire and Rescue Commissioner of Malaysia, Melaka. Participants were provided with insights into the causes of fires, methods to prevent fire outbreaks, and the

actions that can be taken in the event of a fire. Every building occupant must make efforts to detect and extinguish a fire at its early stages to prevent loss of life.

OSH Awareness: Amendments to the Occupational Safety and Health Act



The talk on the amendments to the Occupational Safety and Health Act was delivered by the Head of the Statutory Inspections Section.

Blood Donation Programme



The FTMK Student Association (FICTS UTeM), in collaboration with the FICTS Advisory Committee and the Blood Donation Centre of Melaka Hospital, aims to encourage students to donate blood to enhance the blood supply in our country.

Cervical Cancer Webinar



The webinar on cervical cancer, which was open to both UTeM staff and the local community, received a total of 652 participants.

Sports Competition Among Staff of Sports Centres in Malaysian Public Universities (SUPSAT)



This competition fosters camaraderie among the staff of the Higher Education Sports Centre, while also promoting the adoption of a healthy lifestyle.

Talkshow@PLH: Prompt Stroke Treatment, Swift Recovery!



This talkshow was attended by over 100 participants, including students and staff. The speaker for this program was Dr.

Muhamad Farhan bin Bachik. The program provided information on how to treat and recover from a stroke quickly.

Ramadan 2024 Blood Donation Programme



This program is a collaboration between the Department of Transfusion Medicine at Melaka Hospital and the Health Partners Club under PKU. A total of 267 blood bags have been successfully collected in this program.

UTeM ECO Fit 2024 Kayak & Hydrobike



The program, held regularly every month, aims to promote a healthy lifestyle among all members of the University.

FPTT 2024 Relay Run Programme



The participation of 60 students from UTeM took place at Lake A and Lake B, UTeM.

This programme was organised to enhance health, intelligence, and fitness through competitive running events.

In addition to prioritising learning, the university also plays a role in providing students with opportunities to engage in sports activities according to their individual preferences.

Prayer Strengthening Camp



The Prayer Strengthening Programme was successfully held on the third day of the 2024 Mechanical Week, on 10th June 2024, attended by students and staff of FTKM, in collaboration with the UTeM Islamic Centre to ensure the success of this event.

The programme aims to strengthen and improve the practice of Solat among the FTKM community, as well as to enhance understanding of the importance of Solat in daily life. The knowledge gained throughout this programme is hoped to be applied and provide lifelong benefits, as well as further

strengthen the bonds of brotherhood among the FTKM community.

TAKE A BREAK with a theme of Fun & Health



The Treasury Office organised a "TAKE A BREAK" session themed "Fun & Healthy," which was managed by the Receipts & Revenue Unit (UTH).

The activities conducted included a Healthy Lifestyle sharing session, simple office exercises, and a quiz segment. Various attractive prizes were awarded to the winners.

Thank you to the entire UTH TEAM.

Considering this importance, this course must be held to strengthen the bond among staff, as well as to maintain harmony in governance and daily operations within the office. It is hoped that the cooperation and commitment of the staff throughout the course will foster a sense of unity and togetherness, which will ultimately be translated into a single voice and platform in empowering the organisation.

K-SCOM 2024 Closed Bowling Championship



This tournament is held to cultivate strong relationships among staff and promote the practice of a healthy lifestyle.

Briskwalk Programme with the Vice-Chancellor of UTeM



The "Jom Briskwalk with the Vice Chancellor of UTeM" programme was also attended by PPSKR staff. The participation of PPSKR staff in this programme provided an opportunity for them to engage in brisk walking after a long day of work. This programme also directly strengthened the camaraderie among PPSKR staff and fostered connections with staff from other departments/units. At the end of the event, the organisers provided fruits such as durian and rambutan for participants to enjoy together.



4 QUALITY EDUCATION



SDG 4: Quality Education

Workshop on the Development of TVET Teaching Competency Modules for TVET Instructors



The aim of the workshop is to produce a book that will serve as a resource for TVET instructors, enhancing and maintaining the quality of their teaching and learning in line with global TVET educator standards.

It focuses on the qualifications and teaching competencies required to ensure the provision of technical knowledge and mastery of skills in technical and vocational education, aligned with national educational needs and industry standards.

MTUN Industry-Academia Discourse on Advanced TVET (MIAD)



This programme aims to raise public awareness about their role in addressing drug abuse issues and has been attended by nearly 700 participants.

A variety of activities were carried out, including the launch gimmick "Tak Payah Tak Nak," the Batik Fun Walk release, sales of SUKA AADK products, registration for the 1 million Members SKUAD Campaign, the AADK exhibition bus, Pocket Talk sessions, the Mobile Recovery Treatment (MRT) counter, interactive games, health screenings, and numerous other engaging activities.

Publisher Talk: "Leveraging Existing Dissertations and Theses to Enhance the Discovery of Literature Reviews and Unlock Your Research Potential for Greater Impact"



Publisher Talk
"HARNESSING EXISTING DISSERTATIONS & THESES TO EXPAND THE DISCOVERY OF LITERATURE REVIEWS AND UNLOCKING YOUR RESEARCH POTENTIAL FOR WIDER IMPACT"

Topic Covered:

- Harnessing PQDT Global to expand literature reviews or discovery or research topics.
- Advantages of publishing dissertations or theses for early career researchers
- Tips on adapting/converting dissertations or theses into publications

Ms. Kurinji Malar K
Training & Consulting Partner Southeast Asia

TUESDAY
14 MAY 2024
10:30AM - 12:00PM

REGISTER NOW!
Open to all UTeM staff & students

Microsoft Teams

This webinar aims to support researchers in leveraging existing dissertations and theses to enhance and accelerate their research.

UTeM Language Carnival 2024 (ULC 2024)



UTeM LANGUAGE CARNIVAL
(ULC 2024)
8 - 9 MAY 2024 (WEDNESDAY - THURSDAY)
CELL LOBBY
'Language and Cultural Activities'

Activities:

- German & Mandarin Exploration
- UTeM's Got Talent
- Japanese and Korean Origami Workshop
- English & Third Language Exhibition Booths

Organized by: CENTRE FOR LANGUAGE LEARNING

SCAN ME



The aim of this programme is to promote the English language and a third language to all students at UTeM through activities and informational displays at each language booth involved.

FYP Innovation Competition (Decarbonization and Digitalization)



The morning session of the program gathered nearly 80 student participants from various faculties of UTeM, showcasing entries in the poster and prototype categories. A panel of professional judges from Infineon and UTeM fulfilled their responsibilities, and the winners were announced in the afternoon. This program effectively fostered indirect connections between both parties.

The 'Innovation Pitching' Programme: Key Strategies for Securing a Gold Medal



The aim of this programme is to assist researchers in enhancing their knowledge of innovation conferences, preparing for participation in innovation competitions, and mastering strategies to win medals. Ultimately, it seeks to improve the quality of researchers' innovations and the university's contributions to innovation.

Mandarin Language Course for International Travel



The Mandarin Language Course for International Visits, held on 27th and 28th August, was organised by the Registrar's Office. The purpose of this course is to provide a platform for UTeM staff to learn Mandarin in a simple and practical way for overseas visits.

This initiative aims to enrich knowledge among UTeM's community while enabling them to become proficient in a language other than their mother tongue. Our thanks go to Dr. Cheong Kar Mee, the speaker, and Ms. Tan Poh Ee from PPB, for their assistance.

The Arrival of Credit Mobility Program Students from Fatoni University





A total of 9 students from Fatoni University will participate in the Credit Mobility Programme from 5th August 2024 to 31st October 2024 at the Faculty of Information and Communication Technology (FTMK).

2024 Workshop and Robotics (DRON) Competition by the Department of Community Development, Melaka



The workshop and competition, led by Ts. Aminurrashid bin Noordin (Head of RG Dai-Tech), involved two categories: primary school students and secondary school students. These students were introduced to drone technology through briefings and subsequently participated in assembly and competitions. This collaborative programme with the Department of Community Development, Melaka, fosters stronger ties between UTeM and the community, while also promoting UTeM.

Briefing on Stakeholder Engagement for the 2024 Malaysia Techlympics STEM Competition



This briefing program is held with the aim of providing an explanation regarding the implementation of the 2024 Malaysia Techlympics STEM competition, as well as to enhance the quality and quantity of participation from the state of Melaka in the national-level competition.

Kesidang Session of the TNCPI Team (Session 1)



The Office of the Deputy Vice-Chancellor (Research and Innovation) held the TNC (R&I) Team Kesidang Session 1 on 23rd July 2024, involving two faculties, namely FTKE and FTKEK, under the theme 'Empowering Impactful Research.' The purpose of this event was to provide information to all lecturers

at UTeM regarding research activities, achievements, and plans for the development of research and innovation at UTeM.

Basic Drone Simulation Training



An introductory drone simulation training session was conducted on 11th July 2024 at the Monitoring Room, UTeM Teaching Factory. The training was led by an experienced

industrial trainee, Mirzahakeem, with the aim of providing basic exposure to drone simulation for several new industrial trainees before they began operating actual drones.

Demonstration of the Programmable Logic Controller (PLC) at the Production House, UTeM Teaching Factory



On 2nd August 2024, a demonstration session on Programmable Logic Controller (PLC) was conducted at the Production House, UTeM Teaching Factory. Ahmad Lutfi bin Noor Sham, a former industrial training student at the Teaching Factory from FTKEK, was invited to share his experience in developing and operating the PLC with the new industrial training students.

Technical Entrepreneur Pitch Festival Programme



The FTKM student team successfully secured Second Place in the Technic-Preneur Pitchfest Programme, which took place on 20th June at the FPTT Seminar Hall, UTeM Technology Campus.

The project title was "Synergy Services Solar Panel Improvement," and the student team comprised Ain Arisya Azwal, Mohamad Danial Haikal Mohd Yamin, Muhammad Izzuddin Yusof, Nur Ain Emilyya Zakaria, Nur Alia Syamira Ahmad Padzli, Nur Dahlia Adilla Mahadi, and Nur Khairina Japari.

Outbound Mobility Programme



FTKM student, Nury Aryana Azeli, a participant in the Bachelor of Mechanical Engineering (BMKU) programme, has participated in an outbound mobility programme without credit at Peking University, Beijing, China, from 8th to 14th July 2024.

Workshop on the Preparation of the Letter of Intent Document for Application to the Online Distance Learning (ODL) Academic Programme



This workshop was held at the CLEAR Lab, FTKM, Technology Campus, where participants also engaged in a sharing session on the ODL Program with the invited speaker, Dr. Siti Azirah Asmai from FTKM UTeM.

Indexed Journal Writing Course 2024 Series 2



The FTKM Publishing Committee, led by Prof. Madya Ir. Ts. Dr. Mohd Azli Salim, organised the 2024 Series 2 Journal Writing Course, held at the FTKM Building, Technology Campus.

This course is one of the initiatives by the FTKM Publishing Committee to enhance the production of indexed journal articles among the faculty's academic staff, which also contributes to the faculty's annual publishing achievements.

STEM Knowledge and Expertise Transfer Programme, along with FTKM Student Community Service



This programme involves indigenous children at Sekolah Kebangsaan Batu 14, Tapah, where they are introduced to technologies such as drones, 3D printing, solar cars, and 3D printing pens to 200 students in Years 3, 4, 5, and 6. The activity

aims to enhance students' interest in STEM (Science, Technology, Engineering, and Mathematics) fields and equip them with practical skills that are beneficial.

Non-Credit Mobility Programme



Two Master Research students from FTKM, Nur Afiqah Aina Zaiham and Nur Batrisyia Norhazlin, have safely departed for Japan to participate in the Credit-Free Mobility Programme at Tokushima University for a duration of two weeks.

F1 in Schools Programme



This program has attracted participation from 8 schools across Melaka, introducing students to the world of design and mini F1 car production. In addition, the program offers a variety of interactive activities, such as race simulations, design workshops using CAD software, and mentoring sessions with industry experts.

Students not only gain insights into aerodynamic concepts and technological innovation but also develop critical thinking skills and the ability to collaborate effectively within teams.

Visit of the External Examiner



FTKM recently hosted a visit from the External Examiner for the Master of Mechanical Engineering (Research Mode) programme (MMCA), YBhg Professor Ir. Dr. Mohd Sapuan bin Salit.

This two-day programme was coordinated by Dr. Hilmi bin Amiruddin and continued with a lecture on thesis writing, attended by over 20 postgraduate students from FTKM, including those enrolled in the PhD and Master of Mechanical Engineering programmes. The session was held at the CLEAR Laboratory, FTKM, UTeM Technology Campus.

Drone Training Programme



On 28–29 August 2024, a Drone Training Programme was organised for all industrial training students at the UTeM Teaching Factory. This two-day programme was conducted by an experienced instructor, Ts. Dr. Hanizam bin Hashim, with a focus on theoretical training on the first day and practical drone flying on the second day.

Workshop on Preparation for TVET Conversion Application



The implementation of this workshop is crucial in UTeM's efforts to transition from the current mode of study to the TVET mode. This workshop discusses and aligns the completion of the conversion forms to ensure that the information provided is accurate and meets the required standards.

Success recognised as a Triz Level 2 Instructor by the Malaysian Triz Association (MyTriz)



The following FTKM staff members have been successfully recommended as Triz Level 2 Instructors by the Malaysian Triz Association (MyTriz):

1. Assoc. Prof. Ts. Dr. Muhd Ridzuan bin Mansor
2. Assoc. Prof. Ir. Ts. Dr. Mohd Azli bin Salim
3. Ir. Ts. Dr. Mohd Zaid bin Akop

Workshop on Soap Making from Coffee Grounds in Collaboration with the Centre for Smart Environmental Studies (CENSEi)





This program aims to teach participants about soap-making techniques using coffee grounds.

FPTT Bibliometric Analysis Workshop



This workshop was organised by the Journal Article Publishing Committee of FPTT. Its aim was to expose researchers at FPTT to the analysis of research data using bibliometric methods. The invited speaker for this workshop was Associate Professor Dr. Aidi Ahmi. A total of 40 researchers participated in the workshop.

Let's Work While Learning (JBSB) Group 1



The collaboration program between CREATE and PKT Logistics Group Sdn Bhd aims to provide industry work experience and generate additional income for students, particularly those from the B40 group.

The JBSB Group 1 program comprises 20 students from various faculties. This program is conducted over nearly a month at The Ship Campus, Batu Kawan, Penang.

Digital Innovation Creativepreneur Competition (DICE 2.0)



Two groups of students from the Faculty of Information and Communication Technology (FTMK) at UTeM have won the Grand Prize in the Digital Games and Short Film categories.

The DICE 2.0 competition is a national-level contest organised by the Ministry of Higher Education (KPT) in collaboration with UniSA.

Postgraduate Summer School Programme



A total of six postgraduate students will represent UTeM at the Summer School programme organised by Tokushima University, Japan, from 22nd July to 7th August 2024, gaining valuable exposure and experience in Japan.

International Innovative Research & Industrial Dialogue (iIRID) 2024



This industry collaboration programme includes online conference sessions, innovation competitions, and research poster competitions, successfully bringing together scholars,

researchers, and industry professionals on a single platform to exchange ideas and knowledge.

Training Course on TOT Awareness: Environment, Social, and Governance (ESG) 2024



This course is offered to the first 50 participants who are SDG Coordinators at each department. Participants will be taught

how to calculate the CO2 emissions produced by an individual and their contribution to energy wastage.

Inbound Mobility Programme without Credit from Ahmad Dahlan University (UAD), Indonesia



12 August 2024 – 16 August 2024: Online
19 August 2024 – 23 August 2024: In-person

A total of 15 students, accompanied by 2 lecturers from UAD, participated in this programme.

Final Presentation of the Engineering Technology Students' Integrated Design Project with the Theme "From University Directly to Society"



The final presentation of the Integrated Design Project by Engineering Technology students, themed "From University Straight to Society," has been successfully conducted. This project was also presented to an industry panel, including Mr. Muhammad Afandi Darwis, Manager of Product Engineering, VAVE, Cost Management, and New Sales Development at

Panasonic Appliances Foundry Malaysia Sdn Bhd, who is also an alumnus of FTKM. Through this presentation, students had the opportunity to exchange insights and gain a deeper understanding of current industry demands.

FTKIP Innovation Day 2024



The FTKIP 2024 Innovation Day Programme is organised as a platform for the exchange of knowledge in science, technology, and engineering, showcasing Integrated Design projects by undergraduate students while introducing school students to the fundamentals of manufacturing technology and engineering.

Introductory Briefing on the "Code of Practice for TVET Programme Accreditation" (COPTA) 2020 Edition



This briefing covers the implementation of the TVET programme, encompassing course design, delivery, assessment, evaluation, and Continuous Quality Improvement (CQI). Participants will be introduced to the differences and comparative aspects of TVET programme implementation, as well as the accreditation compliance process, with reference to the COPTA document. The objective of this briefing is to equip and enhance the expertise of academic administrators in the implementation of the TVET programme, guided by the COPTA document.

The Experts Talk Series (TExT) 1/2024: Metaverse Adoption in Education: Are We Ready for The Investment?



This course aims to provide a deeper understanding of the metaverse, a virtual world with the potential to transform education by making learning more immersive and interactive. However, challenges remain. Advancements in technology, such as Virtual Reality (VR) and Augmented Reality (AR), are essential, and we must ensure that access is both safe and equitable for all.

Despite facing challenges, the potential benefits are substantial if we are willing to invest and overcome obstacles. The aim of this course is to develop a comprehensive understanding of the

concept of the metaverse— a virtual universe where users can interact with digital environments and one another— which is gaining increasing traction across various sectors, including education.

Technical Visit from Kawasaki Heavy Industries (KHI) Aerospace System & IAC Manufacturing Sdn Bhd (Malaysia)



This visit follows the admiration expressed by Kawasaki Heavy Industries (KHI) Aerospace System (Japan) and IAC Manufacturing Sdn Bhd (Malaysia) for the Talent Development Programme, in which students are equipped with relevant industry knowledge, experience, and skills through the CNC Kesidang machine development project.

Teaching & Learning and Assessment in Work-Based Learning (WBL) For Industry Coaches and Coordinators



This course aims to instill fundamental knowledge of teaching and learning, as well as the implementation of Work-Based Learning (WBL), for Industry Trainers (JI) and Industry Coordinators (PI).

It encompasses key aspects such as the Outcome-Based Education (OBE) concept, constructive alignment, learning outcomes, effective learning time (ELT), assessment methods, and continuous quality improvement (CQI). The objective of

this course, as part of WBL training for professional development, is to ensure that all stakeholders fully understand their responsibilities, roles, regulations, and the correct implementation methods.

Professional Certification Course: 'Lean Six Sigma (Yellow Belt)' at FPTT



This course is conducted to enhance the employability of FPTT graduates. It is specifically targeted at Bachelor of Technology Management (Supply Chain and Logistics Management) (BTMS, FPTT) students.

Exposure to *Lean Six Sigma* by certified trainers provides students with a comprehensive understanding of techniques for identifying challenges, implementing improvements, and solving problems in company projects and operations.

Self-Instructional Material (SIM) Development Course for Open Distance Learning (ODL)



The course will equip participants with the skills to design effective and appropriate Self-Instructional Materials (SIM) tailored to their respective courses while considering diverse learning styles. By the end of this course, participants will have acquired the knowledge and expertise to develop high-quality SIM using the UCreds platform.

The objective of this course is to introduce participants to key concepts and practical skills in Open and Distance Learning (ODL).

The 10th TMAC Design Workshop 2024



The 10th TMAC Design Workshop is jointly organised by Tokushima University, UTeM Academic Centre (TMAC) Malaysia, the Society of Manufacturing Engineers Technologists (SMET), and FTKIP UTeM, in collaboration with Tokushima University (TU) and Okayama Prefectural University (OPU), Japan.

The workshop aims to foster collaboration among FTKIP students, TU students, and participants from other institutions while enhancing students' soft skills.

Collaboration with the Kota Buku Corporation (PKB)



A programme that involves collaboration with external parties can offer numerous benefits to UTeM Press, such as sharing expertise, increasing sales, and more.

UTeM TVET Ambassador Programme Bukit Katil: E-Commerce Programme



This programme is one of the initiatives undertaken by the UTeM TVET Ambassadors to enhance the quality of life within the community through the "Knowledge Transfer Programme", based on E-Commerce. Participants are trained to conduct business online via platforms such as Shopee, Instagram, and TikTok. The programme is conducted at Sekolah Menengah Kebangsaan Ayer Keroh.

International Credit Mobility Programme to FH Aachen, Germany



The faculty has sent a postgraduate student from the Master of Mechanical Engineering (Automotive) programme to FH Aachen, Germany—Mr. Ahmad Syamil Bin Ulul Azim. He will be

there for one semester to complete his master's project, which forms part of the scope of an internationally matched research grant under the Memorandum of Understanding (MoU) that has been signed.

Professional Certification Accreditation Programme for CATIA V5



This programme engaged a total of 100 final-year students from the BMKU, BMKK, BMKA, and BMKF courses, providing them with valuable hands-on experience and technical proficiency in advanced design software.

Upon successful completion, the participants were awarded the prestigious Professional Certificate in CATIA V5 – Part Design Associate from Dassault Systèmes, signifying their expertise in computer-aided design (CAD) and enhancing their professional credentials for future career opportunities in engineering and design industries.

International Credit Mobility Programme to FH Aachen, Germany



The faculty has sent a postgraduate student from the Master of Mechanical Engineering (Automotive) programme to FH Aachen, Germany—Mr. Ahmad Syamil Bin Ulul Azim. He will be

there for one semester to complete his master's project, which forms part of the scope of an internationally matched research grant under the Memorandum of Understanding (MoU) that has been signed.

High-Impact Professional Malay Language Course



This course is meticulously designed to equip participants with an advanced level of proficiency and professionalism in the Malay language. It aims to develop a comprehensive skill set

that enhances their ability to communicate effectively across multiple domains, ensuring fluency in writing, speaking, reading, and listening.

A key focus of this course is to strengthen participants' command of the Malay language in professional settings, enabling them to engage in clear, structured, and persuasive communication. Participants will gain practical exposure to various aspects of language use in workplace interactions, including formal and informal communication, professional correspondence, report writing, and effective public speaking. Additionally, the course will refine their ability to comprehend and interpret complex texts, fostering critical reading and analytical skills that are essential in professional and academic environments.

Furthermore, the course places a strong emphasis on the accuracy, coherence, and appropriateness of language use, ensuring that participants can convey their messages with precision and impact.

By the end of the course, participants will have acquired the linguistic competence necessary to engage in high-level professional communication in Malay, enabling them to express their ideas persuasively, articulate their thoughts with clarity, and achieve their communication objectives effectively.



5 GENDER EQUALITY



SDG 5: Gender Equality

The Coordination Meeting for the Implementation of the JELITA TVET Program, Targeting 150,000 Malaysian Women



The Vice-Chancellor of UTeM, Professor Datuk Ts. Dr. Massila binti Kamalrudin, in her capacity as the Director of the JELITA Program, was deeply honored to be invited to attend the Coordination Meeting for the Implementation of the JELITA TVET Program on 24 January 2024. The meeting was chaired by YB Datuk Seri Dr. Noraini binti Ahmad, the Deputy Minister of the Ministry of Women, Family, and Community Development

(KPWK), who also serves as the Advisor for the JELITA Program.

The agenda of the meeting focused on the implementation of the JELITA TVET program by UTeM and UCAM, the funding required for the program, and the strategic planning to achieve its goals in empowering women across Malaysia. Under this initiative, UTeM will focus on certification for High or Advanced TVET, while UCAM will be responsible for Basic TVET certification.

Also, in attendance were representatives from RISDA, UCAM, the Women's Professional Sector, and the Secretariat.

Workshop & Roadshow: CRIM with Young Researchers





A total of 44 participants, comprising early-career researchers who have been serving at UTeM for less than three years, were invited to attend this workshop.

The workshop covered an introduction to CRIM, grant application and management, guidelines for selecting journals for publication, and guidance on leveraging AI for research proposal development.

Additionally, a sharing session was conducted by Ir. Ts. Dr. Lailatul Harina Paijan served as an inspiration, demonstrating the success of women in securing research funding and contributing to a more equitable academic landscape.

IPT Futsal League (LFIPT) 2024 Phase 1-Premier League and Women's League



KEPUTUSAN PENUH PERLAWANAN LIGA PREMIER 20 APRIL 2024

9	VS	5
1	VS	1
4	VS	3
2	VS	4
1	VS	3

This annual tournament is aimed at uncovering the talents of male and female futsal players among university students across the country.

FPTT 2024 Relay Run Programme



A total of 60 students from Universiti Teknikal Malaysia Melaka (UTeM) participated in the event, which was held at Tasik A and Tasik B within the university premises.

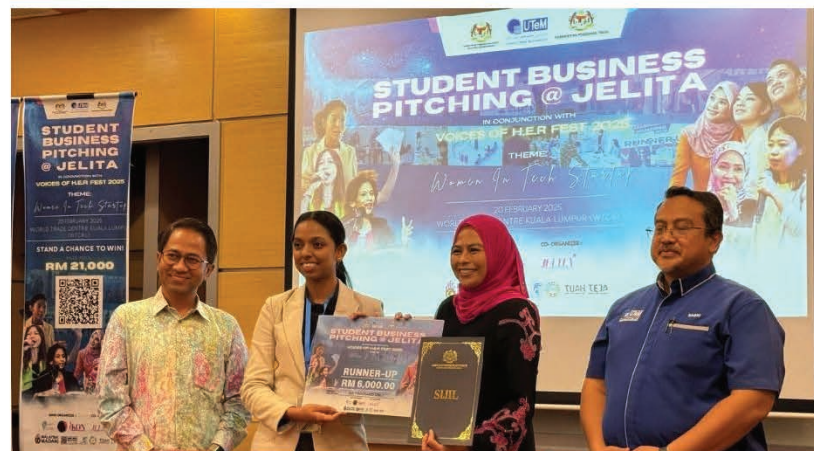
This programme was designed to enhance students' overall well-being by fostering better health management, cognitive sharpness, and physical fitness through a structured and competitive running event. By incorporating an element of competition, the initiative aimed to encourage students to adopt an active lifestyle while simultaneously instilling values of discipline, perseverance, and teamwork.

Beyond its primary commitment to academic excellence, the university also recognises the importance of holistic student

development. As such, it actively provides opportunities for students to engage in sports and recreational activities that align with their interests and preferences.

This approach not only supports physical and mental well-being but also nurtures a balanced university experience that integrates both intellectual and extracurricular growth.

Student Business Pitching @ JELITA



Two FTKE UTeM students have brought pride to the university with their outstanding achievements in the Student Business Pitching @ JELITA, held in conjunction with Voices of H.E.R Fest 2025!

🏆 2nd Place (RM6,000)

👤 Thivyavenessa A/P Jaya Praksh (BELT)

👤 Supervisor: Dr. Mohd Badril Nor Shah

🏆 3rd Place (RM3,000)

👤 Dayang Nirfarahin Dena Abdul Hakim (BELR)

👤 Supervisor: En. Mohamad Hanif Harun

This success highlights that women can excel in the business field. May this accomplishment inspire more women to continue their efforts in developing high-impact products for the community and delivering exceptional presentations.

JELITA@KPT SUMMIT: Job Empowerment by Learning and Inclusive Technical Advancement



This program is a strategic benchmarking transformation initiative aimed at developing the potential of Malaysian female graduates, in line with the nation's human capital development agenda. Through JELITA@KPT SUMMIT, UTeM is committed to creating greater and more meaningful opportunities for young women to acquire industry-ready skills and enhance their employability in the job market.

The primary objectives of this program include equipping female graduates with comprehensive skills, providing a platform for soft skills development, and helping TVET graduates attain high levels of professionalism, thereby increasing the competitiveness of Malaysian women in the global workforce.

YES! Wo+Men Session: Advocating for Diversity, Equity, and Inclusion (DEI) in the Workforce



TalentCorp recently participated in the JELITA@KPT SUMMIT, held at Universiti Teknikal Malaysia Melaka - UTeM, where our YES! Wo+Men session, entitled Advocating for Diversity, Equity, and Inclusion (DEI) in the Workforce, brought together 300 students from UTeM, Universiti Tun Hussein Onn Malaysia UTHM, Universiti Malaysia Pahang (UMP), and Universiti Malaysia Perlis (UniMAP) for an insightful discussion on fostering inclusive workplaces.

Building on the foundation of TalentCorp's established YES! programme, our #TeamTalentCorp, Kang Zetty Anis and Irfan Ibrahim led the session, providing a crucial platform for advocacy and empowerment. The discussion focused on

equipping young female and male students with the tools and knowledge to make informed career decisions while preparing them to balance professional development with personal commitments.

The session aimed to raise immediate awareness of gender equality and address unconscious biases, with the broader goal of increasing women's employment rates, enhancing talent retention, and supporting women who may choose to re-enter the workforce after a career break.

JELITA TVET UTeM at the LAND FORCES OPEN DAY 2024





On 26 – 28 July 2024, JELITA UTeM was allowed to participate in various activities throughout the program such as an Exhibition at Dataran Sejarah Ayer Keroh, Shooting Activity at Kem Trendak and a Tank Ride at Kem Trendak

Among the distinguished guests who graced this special session were Datin Seri Utama Zuriyah Ab Aziz, wife of the Chief Minister of Melaka; Puan Sri Datin Seri Ramlah binti Dawi, Chairperson of BAKAT, Malaysian Armed Forces; Puan Sri Datin Wira Hartiah Hamzah, Chairperson of BAKAT Darat Council; YBhg Tan Sri Shahrizat Abdul Jalil, Chairperson of the Malaysian Women and Family Affairs Organization (HAWA) and Senior Officers and Formation Commanders, accompanied by their spouses.

This program highlights that women are not left behind in celebrating Hari Terbuka Bakat Darat, demonstrating their active participation and contributions in various fields.

JELITA TVET Women Academy Visit to National Higher Education Fund Corporation (PTPTN)



JELITA TVET Women Academy has held a meeting with the Chairman of the National Higher Education Fund Corporation (PTPTN) that is the Honorable Datuk Seri Norliza Abdul Rahim, to discuss opportunities for cooperation in financing TVET training.

The meeting opens up space for expanding access to quality skills training for those looking to improve their marketability in the industry. JELITA is committed to empowering women and communities through TVET, and this strategic partnership hopes to benefit more students in need of financial support. We hope this initiative can be realized for the future of skilled labor in Malaysia.



6 CLEAN WATER AND SANITATION



SDG 6: Clean Water and Sanitation

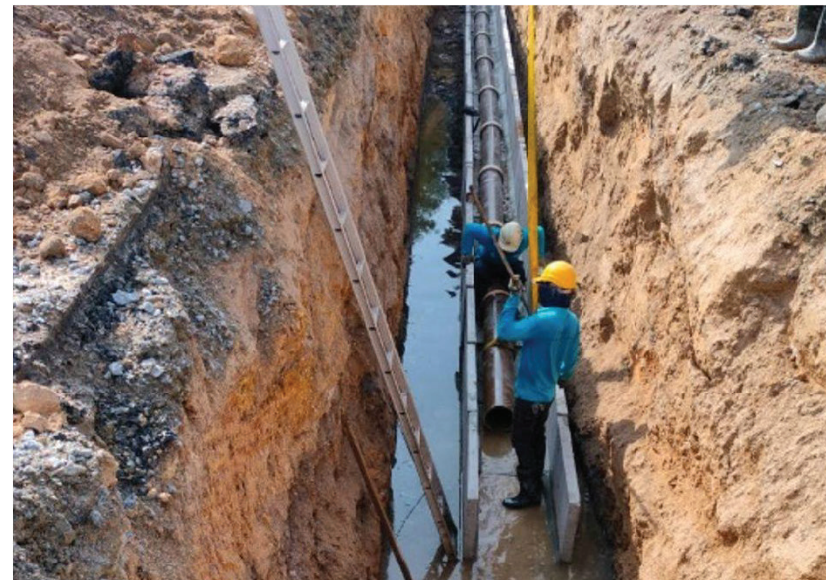
UTeM-Cambodia Islamic Brotherhood Expedition Mission 1445H / 2024



The implementation of the Ibadah Korban and welfare programme at the international level in Cambodia. A Well Endowment (Wakaf Perigi) initiative has also been carried out to provide clean water to the local community.

Additionally, the underprivileged and impoverished are supported through donations, the distribution of sacrificial meat, and cash contributions. Further assistance is also provided for the development and enhancement of local schools.

Repair Works on the Sewage Drainage System at the Central Parking Site of the Main Campus



This repair work contributes to the development and enhancement of infrastructure within the Main Campus while also improving the quality of sanitation programmes and promoting good hygiene practices in the surrounding environment.

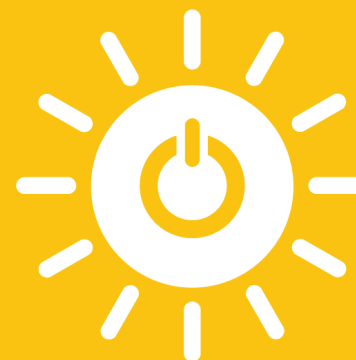
The Installation of IoT Water System



The IoT water system is designed to monitor water usage in every building at UTeM in real-time via an online platform. This online water usage monitoring at UTeM is implemented to ensure the prudent consumption of treated water by the entire university community. Additionally, it serves to optimise UTeM's monthly water bill.



7 AFFORDABLE AND CLEAN ENERGY



SDG 7: Affordable and Clean Energy

Chemical Safety Course



This course guides participants in taking chemical safety seriously by fostering a thorough understanding of Safety Data Sheet (SDS) information, as mandated by chemical legislation.

The objective is to minimise safety and health risks, particularly for workers, as well as for students and the public, by mitigating potential exposure to hazardous substances in the workplace. Additionally, this training informs participants about the proper handling of chemicals.

Discussion on the SARE Contract with Reservoir Link Sdn. Bhd.



This discussion was conducted in collaboration with Reservoir Link Sdn. Bhd. with the aim of gaining a thorough understanding of the necessary procedures and requirements that both parties must adhere to to facilitate the effective and seamless implementation of the solar energy generation plan.

The engagement served as a platform for both stakeholders to align their commitments, address potential challenges, and ensure compliance with all regulatory and technical standards to achieve the successful realisation of the project.

Energy Efficiency Briefing at Satria Lekir Residential College in Conjunction with the New Student Intake



This programme is designed to foster a deep awareness among all UTeM students about the importance of utilising energy

efficiently, minimising waste, and promoting sustainable consumption practices. Through this initiative, students will be encouraged to adopt responsible energy usage habits that contribute to environmental conservation and long-term sustainability.

Green Award Audit of Melaka



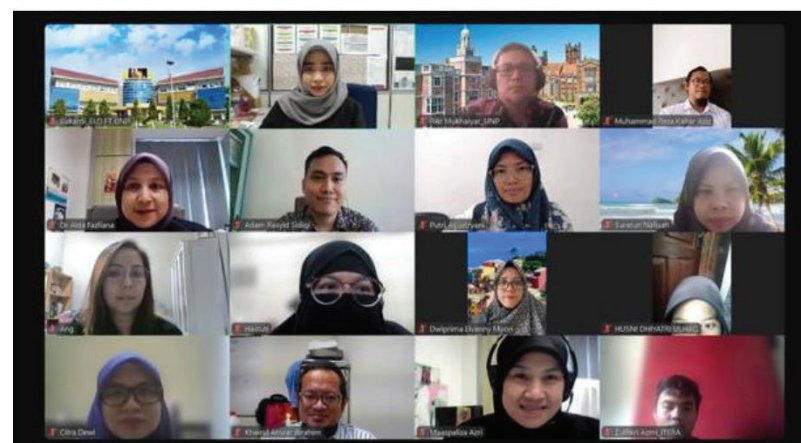
This audit was conducted to assess the extent to which UTeM has implemented Green Culture, the category in which CENSEI participated in the competition. The audit was attended by more than five evaluators from the Melaka Green Technology Corporation.

Basic Energy Audit Course jointly organized by the Training Unit, Human Resource Development Division, Registrar's Office



This course is conducted to train and provide a comprehensive understanding of Assistant Energy Managers in all PTJs carrying out energy audits.

Technical Talk on Sustainable Future Research Collaboration.



This webinar enhances awareness and understanding of Sustainable Energy Management at UTeM, emphasizing its significance in promoting environmental responsibility and energy efficiency.

Additionally, it aims to showcase the strategic collaboration between UTeM and Universitas Padang, highlighting their joint efforts in advancing sustainable energy initiatives, knowledge exchange, and institutional partnerships for a greener and more sustainable future.

Webinar: Get to Know Your Energy Manager



Kenali Pengurus Tenaga Anda
Ir. Dr. MOHAMAD FIRDAUS BIN SUKRI

PENGURUS TENAGA UTeM/KETUA BAHAGIAN TENAGA PINTAR, CENSEI

KEDOKTORAN FALSAFAH (PH.D) - 2017 (UTM)
SARJANA (MASTERS) - 2007 (CONVENTRY UNIVERSITY)
SARJANA MUDA (BACHELOR) - 2005 (UTM)

CERTIFIED ENERGY MANAGER (CEM)
REGISTERED ELECTRICAL ENERGY MANAGER (REEM)
CHARTERED ENGINEERS (CEng)
PROFESSIONAL ENGINEER (Ir.)

This webinar aims to expose the entire UTeM community to the role of UTeM Energy Managers. It explores the scope of their responsibilities, their key duties, and the benefits that can be derived from their expertise. The session will offer insights into efficient energy management at UTeM, highlighting its significance.

Additionally, it will examine the potential advantages and drawbacks that may arise should UTeM fail to manage its energy resources effectively and efficiently.

EMGS 3-Star Audit Renewal 2024 by MGTC



RENEWAL EMGS 3 STAR 2024
UNIVERSITI TEKNIKAL MALAYSIA MELAKA

29 - 30 Ogos 2024

**SISTEM PENGURUSAN TENAGA LESTARI
(ENERGY MANAGEMENT GOLD STANDARD (EMGS))**

OLEH ASEAN ENERGY MANAGEMENT SCHEME (AEMAS)

The University is in the process of renewing its Energy Management Gold Standard (EMGS) certification under the ASEAN Energy Management Scheme (AEMAS). Members of the University community are kindly requested to extend their full cooperation.

Key aspects to be assessed include awareness and understanding of energy efficiency among the University community, the efficient management of energy-consuming operations, the involvement of departments in implementing energy-efficient practices, and other related criteria.

Energy Efficiency Awareness Briefing No. 1/2024 (Online)



Taklimat
KESEDARAN KECEKAPAN TENAGA
SIRI 1/2024

Tarikh : 3 April 2024 (Rabu)
Masa : 3.00 - 4.00 petang
Platform : Microsoft Teams
<https://bit.ly/3VxBt8M>
Tajuk : KELESTARIAN ALAM SEKITAR
TANGGUNGJAWAB BERSAMA

Penceramah :
Ir. Dr. Mohamad Firdaus bin Sukri,
Ketua Bahagian Tenaga Pintar/Pengurus Tenaga UTeM

CENSEI
PUSAT ALAM SEKITAR PINTAR
CENTRE FOR SMART ENVIRONMENT

The Energy Management Awareness Briefing No. 1/2024 is being conducted to enhance awareness and understanding among university members regarding effective energy management practices. This initiative aims to equip participants with the necessary knowledge and insights to foster a culture of energy efficiency and sustainability within the university environment.

Fundamental Understanding of Energy Management for the Sustainability Course at CSC Steel Sdn. Bhd.



Fundamental Understanding of Energy Management For Sustainability
by UTeM (Universiti Teknikal Malaysia Melaka)

Assoc. Prof Dr. Musthafah Mohd Tahir
Director at Centre for Smart Environment (CENSEI), UTeM,
Faculty of Mechanical Engineering
PhD in Energy and Environment Science, Nagasaki University of Technology, Japan (2010)
INTRODUCTION TO ENERGY MANAGEMENT FOR RESIDENTIAL AND INDUSTRIAL SECTORS: WHY NEEDED?
Speaker 1

Ir. Dr. Mohamad Firdaus bin Sukri
UTeM Energy Manager / Head of Smart Energy Division / Senior Lecturer
CENSEI / Faculty of Mechanical Technology Engineering
PhD in Mechanical Engineering, UTeM (2017)
UNDERSTANDING YOUR ELECTRICITY BILLS FOR ELECTRICITY COST SAVING
Speaker 2

Assoc. Prof Ir. Dr. Aida Fazlana Binti Abdul Kadir
UTeM Energy Management Coordinator
CENSEI / Faculty of Electrical Engineering
PhD in Electrical Engineering (Energy Demand Side Management), UKR (2014)
MEASURE YOUR ENERGY USAGE AND TIPS FOR ENERGY EFFICIENCY AT OFFICE AND HOMES
Speaker 3

Group 1
18.04.2024(Thursday)1pm - 5pm

Group 2
24.04.2024(Wednesday)1pm - 5pm



This course is being conducted in collaboration with the industry partner, CSC Steel Sdn. Bhd, to improve awareness and understanding of energy efficiency practices among its workforce.

Specifically, the course targets employees in the production operator group, focusing on equipping them with the necessary knowledge and skills to optimize energy usage in their daily operations. Through this initiative, the goal is to foster a greater sense of responsibility and competency in energy management, thereby contributing to the overall sustainability efforts of CSC Steel Sdn. Bhd.

Upgrading and Replacement Works for the Central Air Conditioning System and Other Related Equipment at the Main Campus, UTeM



The upgrade and replacement work of the ducts for this central air conditioning system can enhance collaboration with local companies and industries, as well as provide employment opportunities for the local community. Furthermore, it promotes the efficient use of energy.

Energy Efficiency Awareness Program: Energy Saving Solutions for Air Conditioning Systems



This programme, developed in collaboration with ACSON Malaysia, provides a detailed explanation of strategies aimed at reducing air conditioning usage and maximising the efficiency of electricity consumption. It offers practical insights into optimising energy use, thereby promoting both

environmental sustainability and cost-effectiveness in the long term.

Energy Efficiency Awareness Program in Offices and Homes



This webinar was organised in collaboration with CIDB Malaysia with the aim of teaching energy efficiency tips for both the office and home, as well as calculating energy consumption and energy costs.

It was delivered by Associate Professor Ir Dr Aida Fazlana binti Abdul Kadir, Energy Coordinator, Smart Environment Centre (CENSEI), UTeM.

Sustainable Energy Management Course at UTeM and Home



This course provides an in-depth exploration of the pivotal role played by Energy Assistant Managers (PPTe) and committees in fostering sustainable energy management within departments at UTeM. Participants will gain a comprehensive understanding of the strategies and practices involved in driving energy efficiency at the institutional level.

Additionally, the course will cover the methodology for calculating residential electricity bills, enabling participants to better comprehend energy consumption patterns. Practical tips for reducing energy usage, which can be easily integrated into daily routines, will also be shared. These insights aim to empower participants to make informed decisions that contribute to both cost savings and environmental sustainability, ultimately enhancing the institution's energy management practices.

University Energy Management Briefing for New Students of the 2024/2025 Intake



The University Energy Management Briefing delivered by Ir. Dr. Mohamad Firdaus bin Sukri during the Special Slot of Faculty Day (HBF), organized by the Faculty of Mechanical Engineering Technology (FTKM) in conjunction with the Student Orientation Week (MHS) for new student intake of the 2024/2025 session.

This briefing, held on 9 October 2024, aimed to provide information and insights into the university's energy management policies.



8 DECENT WORK AND ECONOMIC GROWTH



SDG 8: Decent Work and Economic Growth

Product Pitching Programme



For the assessment of applications for the Prototype Commercialisation Grant Series 1/2024, with a particular emphasis on promoting and advancing the commercialisation of innovative technologies. This includes evaluating the potential for market integration, scalability, and the strategic approach to transforming prototypes into commercially viable products or services, while considering the technological, financial, and operational aspects of the proposed projects.

The process aims to support the transition from research and development phases to successful market deployment, fostering the growth of tech-driven industries.

National Industrial Career EXPO 2.0 Programme @ UTeM 2024



UTeM x TALENTBANK
NATIONAL INDUSTRIAL CAREER EXPO (NICE 2.0)

29 & 30 MAY 2024 | 10 AM - 4 PM | DEWAN CANSELOR (UTeM)

PARTICIPATING EMPLOYERS

Logos of participating employers: 4IR, APM, CENSOLOGY, CSC STEEL, DNX, DAIKIN, EN, FELLE FAVCO, FRECKON, GENDANG, HUAWEI, Interisland, INOVAC, MEDVET, MINOM, PEXAR FLORA, STS ADVISORY, theta, TALENTBANK, AND MANY MORE.

PRE-REGISTRATION: WWW.UTEMCAREERFAIR.COM

Event Highlights

- ✓ 20+ MNC & SME
- ✓ 500++ Job Vacancies
- ✓ Attend and win Apple Watch



The Career Carnival Programme is designed to offer valuable exposure and a wide range of career opportunities to UTeM graduates who are actively seeking employment. By facilitating direct engagement with potential employers and industry professionals, the programme aims to significantly enhance the graduates' employability prospects, equipping them with the necessary skills and insights to successfully navigate the job market and secure suitable career positions.

Exhibition Malaysia Commercialisation Year (MCY) 2024



This exhibition session is organised with the aim of providing exposure and sharing information related to the innovation process and the commercialisation of technologies carried out at UTeM. In this edition of MCY 2014, the participants include MOSTI, its agencies and subsidiaries, industry representatives, and the community. Several companies have expressed interest in UTeM's products and technologies for commercialisation collaboration.

COMMUNITY PROGRAM @ UNIMADANI: SMART SOLAR-POWERED AQUAPONICS PROJECT @ KRUBONG





A handover ceremony for the smart solar-powered aquaponics sets was held for the residents of Kampung Tanah Merah, Krubong, as part of the Public University Community Empowerment Program (Komuniti@UniMADANI), sponsored by the Ministry of Finance Malaysia (MOF) and led by Dr. Mohd Rusdy Yaacob (FTKE).

The event began with an opening speech by Prof. Ir. Ts. Dr. Ghazali Omar (TNCPI UTeM), followed by an officiating speech from Mr. Mohd Khawari Fazmi Zulkifli, Secretary of Jeperun Paya Rumput, representing the Paya Rumput Assemblyman (ADUN). The program was also attended by Prof. Ts. Dr. Effendi Mohamad (Director of RICE) and Associate Professor Dr. Hidayat Zainuddin (Dean of FTKE).

This aquaponics project integrates aquaculture (fish farming) and hydroponics (soilless vegetable cultivation) into a closed-

loop system fully powered by solar energy, equipped with an IoT-based monitoring system.

A total of 8 aquaponics sets were distributed to 8 selected households in the village. Each set includes 2 tanks for rearing 300 tilapia fish and 40 plant pots for growing vegetables such as pak choy, water spinach (kangkung), and spinach.

This community project aims to enhance knowledge and generate income for the villagers through capacity building with technical training provided by UTeM researchers while promoting environmental sustainability through solar technology.

Programme Profile U 2024





The primary aim of this programme is to offer students valuable career exposure, enabling them to gain a deeper understanding of potential career paths.

Additionally, it seeks to improve the employability of UTeM graduates in 2024 by equipping them with the skills, knowledge, and experience necessary to succeed in the competitive job market. This initiative is designed to bridge the gap between academic learning and industry demands, ensuring that graduates are better prepared for the workforce.

UTeM Terbilang 2.0 Programme (Oath of Commitment and New Staff Orientation)



Through this programme, participants will be able to:

1. Share knowledge and experiences related to government governance systems, as well as the roles and responsibilities of public servants.
2. Foster a sense of ownership and camaraderie among staff and the university, while strengthening family-like ties between colleagues within the organisation.
3. Develop knowledgeable, ethical, competent staff who can compete at various levels.

Professional Image Enhancement Course for Drivers



This course enhances participants' knowledge of safety skills and procedures for handling various situations. Additionally, participants will gain an understanding of, and be able to apply, the responsibilities of drivers in assisting VIPs.

“Secangkir Kopi” Programme with the Chief Operating Officer



1. As a platform for the Chief Operating Officer to convey information related to the direction, current developments, and aspirations to the Executive/Administrative Team.
2. To foster relationships and strengthen ties, promoting camaraderie and effective communication between the Chief Operating Officer and staff.
3. Knowledge sharing and prudent work management for the blessings in the sustenance obtained.

Patent Filing Clinic



This workshop is organised with the aim of providing researchers with exposure, knowledge, and skills on patent search techniques, as well as guidance on completing patent application forms.

Project Management Briefing for Consultancy Series 2/2024



This briefing session is held with the aim of providing exposure and sharing information related to the workflow processes and project management of consultancy work carried out at UTeM.

Pre-Retirement Course: Counting the Days... Are You Ready for Retirement...?



This course provides exposure and shares knowledge with prospective retirees regarding preparations before retirement, encompassing aspects of health and emotional well-being.

Additionally, the course aims to raise awareness on the importance of sound financial management, including withdrawal, retention, and reduction of pensions and benefits that may be made by employers for specific reasons. Participants are also introduced to the facilities and assistance available to prospective retirees.

TVET Place & Train UTeM@KPT



This integrated programme involves the four main platforms that are implemented in alignment with the New National Industrial Master Plan 2030 (NIMP2030). The four main platforms are JELITA UTeM@KPT; UTeM-Industrial Playground; Industry-MTUN Cybersecurity Consortium; and the National Industrial Career Expo (NICE@UTeM).

UTeM aims to produce approximately 30,000 skilled workforces in the TVET field. Furthermore, 'TVET PLACE & TRAIN UTeM@KPT' will also contribute to enhancing the employability of graduates (GE) with premium salaries, while also assisting communities and the nation in addressing unemployment issues and injecting sustainable economic growth into the country.

Course on Interviewing Skills for Auditors



This course explains that communicating and interacting with audiences exhibiting different behaviours is a challenging task in audit activities. The objective of an audit interview is to obtain relevant knowledge and information.

It should be conducted in a professional manner within a short time frame to achieve the objectives. It encompasses interview strategies, psychological behaviour, questioning skills, body language, and the management of interviewees.

Workshop on the Administrator Award Series 2



The participants were introduced to the development of the Administrator Award criteria and finalised the award categories, award criteria, proposed prizes, panel of judges, and nomination rubric.

Workshop on Completing the Human Resource Productivity Study (HRPS) Form for the Purpose of Staffing Audit at the Faculty



Participants were provided with an explanation on the method for completing the Human Resource Productivity Survey Form (KPSM) for the purpose of staffing audits, covering administrative staff in the Management & Professional group at the faculty.

Workshop on the Alignment of Job Descriptions and Implementation of Human Resource Productivity Study (KPSM) for Academic Administrators in the Faculty



Participants were provided with an explanation regarding the method of completing the Human Resource Productivity Survey Form (KPSM) and the establishment of a standardised Job Description for the purpose of staffing audits, covering the position of Academic Administrator in the faculty.

Digital Bootcamp Programme (Petronas) Southern Zone at Universiti Teknikal Malaysia Melaka



The BeDigital Bootcamp programme (PETRONAS) focuses on 100 students from higher education institutions in the Southern Zone, such as UTeM, UTM, UTHM, UiTM Johor, and UNIMEL.

This programme is fully sponsored by PETRONAS to enhance the employability of local talent before entering the workforce. It will also offer employment opportunities to successful participants following the interview session at the end of the programme.

National Industrial Career Expo (NICE@UTeM) Career Carnival in Conjunction with the TVET Place & Train Program UTeM@KPT



This program is an initiative aimed at providing opportunities for students, particularly final-year students approaching graduation, to secure employment and pursue careers in their respective fields.

Additionally, this program offers benefits to students who are about to undertake industrial training or are in the process of securing industrial placements.

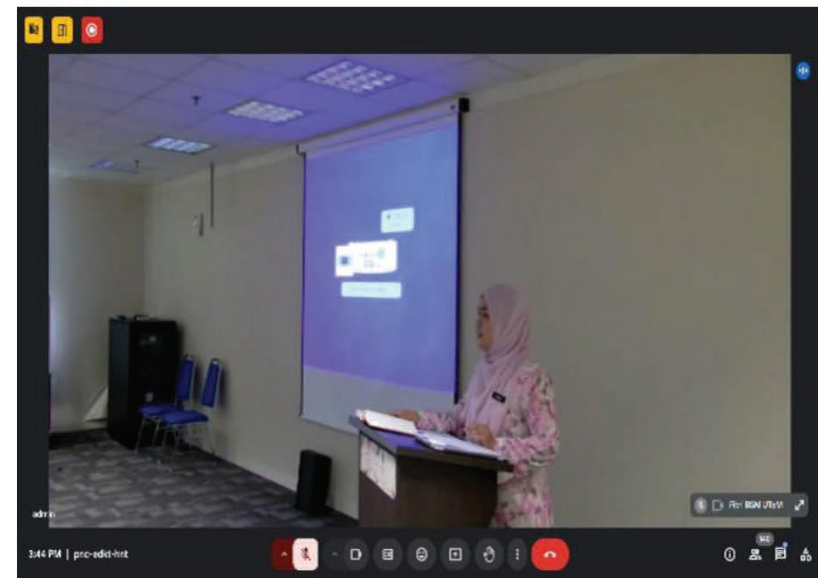
TVET Ambassador Programme UTeM@Bukit Katil: E-Commerce Programme



This program is one of the initiatives by the TVET Ambassador of UTeM aimed at improving the quality of life in the community through the "Knowledge Transfer Program" based on E-Commerce. Participants are taught how to conduct

business online using platforms such as Shopee, Instagram, and TikTok. The program is held at Sekolah Menengah Kebangsaan Ayer Keroh.

Briefing on the Operational Readiness of the Public Service Remuneration System (SSPA) for Human Resources Managers (PSM) and HRMIS Administrators of the Ministry of Higher Education



Preliminary notification as preparation regarding the timeline for the implementation of the SSPA, as well as the execution of option offerings and other matters related to Human Resources under the Ministry of Higher Education.

Research Support Briefing at the Workshop & Outreach Session: CRIM with Young Researchers



This workshop provides exposure and sharing on the research support activities by PLH to researchers in the field of publication.

Career Interview: Career Launchpad (CLP) Program at UTEM MELAKA 2024



This programme was attended by 5 employers who conducted on-the-spot interviews with students and visitors, a total of 55 participants. Of these, 26 were successful, with 12 passing the first interview and 17 failing. The programme was held in the FTKIP Auditorium Room.

Participating in the Job Market Fair & Malaysia Education Fair Promotion Program at the Kuala Lumpur Convention Centre



The Graduate School has participated in the Job Market Fair & Malaysia Education Fair Promotion Programme as a platform to disseminate information about the academic programmes offered at UTeM, while also contributing to the enhancement of the University's revenue generation.

Halal Entrepreneurial Expedition Programme@Halal Hub Melaka



This programme provides participants with exposure to new knowledge on halal food preparation, the procedures for obtaining halal certification, and the technology involved in producing high-quality halal food.

Programme Together in Shaping Dreams: A Dialogue with Coffee Entrepreneurs



This programme is a collaboration between CREATE, HEPA, and He & She Coffee. It aims to provide students with exposure to the coffee-based beverage industry and opportunities to generate income and work on campus through the Learn & Earn programme.

The Global Outsourcing Talent (GOT) Programme in Collaboration with the Malaysia Digital Economy Corporation (MDEC)



The collaboration program between CREATE and MDEC is an intensive training (bootcamp) designed to equip participants with the skills necessary to become competitive digital freelancers. This programme is also expected to provide freelancing opportunities and access to the Gig Economy within the digital market.

Career Workshop: MYFutureJobs Career Launchpad@UTeM MELAKA Programme jointly organised by the Career Path Club and PERKESO



This program is an initiative aimed at providing opportunities for students, particularly third-year engineering students who are about to undergo industrial training and complete their studies, to secure employment and pursue a career in their respective fields.

Digital Entrepreneurship Programme for Asnaf (DEA)



The collaboration programme between CREATE, the Department of Islamic Development Malaysia (JAKIM), the Melaka Islamic Religious Council (MAIM), Sinergi Ilmu Resources, and sponsored by Maybank Islamic Berhad, involves

women, converts, and university students, offering practical business techniques that require no capital, do not involve stock/premises management, and are guided over a period of nine months.

Venture Fest Programme, FTKEK



The collaborative programme between CREATE and the Faculty of Electronics and Computer Technology Students' Association (TELeCSA) is a comprehensive initiative designed to foster the development of entrepreneurial knowledge and skills. This partnership aims to provide students with valuable insights into the principles and practices of entrepreneurship, equipping them with the necessary tools to innovate and succeed in the

business world. Through a series of structured activities, the programme seeks to enhance students' understanding of entrepreneurial concepts, encourage practical engagement, and inspire the next generation of entrepreneurs in the field of technology and engineering.

FPTT Festival Programme 2024



The collaborative programme between CREATE, the OSHA Committee of FPTT, the Technology Management Association (TEMAN) Club, and the FPTT Promotion Committee aims to cultivate an entrepreneurial culture among FPTT students.

This programme is also designed with various activities that further strengthen the relationships among students at FPTT.

The FPTT FEST 2024 also aims to celebrate the 15th anniversary of FPTT in 2024. Previously, the FPTT FEST programme was known as 'GEGAU FPTT'.

Course Programme on the Transformation of the IPT and Youth Cooperative Movement



The collaboration program between CREATE and the National Co-operative Movement of Malaysia Berhad (ANGKASA) aims to provide an understanding of the founding philosophy and the identity that must be instilled in the leadership and members of the co-operative who will lead the UTeM Student Co-operative Berhad (Kosiswa UTeM).

Business Digitalisation Coaching and Mentoring Programme @FPTT



The Digital Business Coaching and Mentoring Programme for Women Entrepreneurs in Rural Communities and Single Mothers in Rural Areas at the Village Community Centres (PKD), along with Teachers and Trainees at the Community Rehabilitation Centres (PPKD), under the Service-Learning Malaysia-University for Society (SULAM) programme at the Faculty of Technology Management and Technopreneurship (FPTT), UTeM.

This SULAM programme is organised under the Social Entrepreneurship course (Course Code: BTMT3383) for third-year students of the Bachelor of Technopreneurship (BTEC), from 20 May 2024 to 9 June 2024 (Three (3) Weeks of Lectures).

The teachers and trainers of Persons with Disabilities (PWD) at the PPKD are provided with training and guidance on the digitalization of marketing and business, with the PPKD providing both participants and training venues. For rural women entrepreneurs and single mothers from the PKD, FPTT has assigned 43 BTMT3383 students as participants, along with 10 involved entrepreneurs.

Marketing Outreach Programme in Collaboration with the Orang Asli Community of Kuala Kubu Bharu, Selangor



The collaboration programme between FPTT and RICE, where 50 members of the Orang Asli community in Kuala Kubu Bharu

learned marketing skills from four students of the TeMAN Club, has been successfully carried out.

Throughout the programme, the students shared marketing knowledge with the Orang Asli community, most of whom are housewives and young individuals running small businesses.

This programme provided students with special exposure to the community, allowing them to make direct contributions to the local population. The differences in backgrounds and cultures did not hinder the university and community from continuing to work together, offering mutual support in enhancing the nation's economy.

Official Launch of The Student Entrepreneurship Seminar 'Jom Jumpa Protege - Melaka Edition'



The Student Entrepreneurship Seminar successfully took place at the FTKIP Lecture Hall, UTeM. This inspiring and educational platform was made possible through a strategic collaboration between the Center for Enterprise Development and Technopreneurship (CREATE) and the National Entrepreneurship Institute (INSKEN).

The seminar was officiated by YBrs. Dr. Salmah binti Sathiman, Secretary of the Ecosystem Development Division, Ministry of Entrepreneur Development and Cooperatives (KUSKOP). The seminar attracted an impressive 391 students from various educational and training institutions across Melaka, including Universiti Teknikal Malaysia Melaka (UTeM), Universiti Teknologi MARA (UiTM), Jasin branch, Industrial Training Institute (ILP) Selandar and Bukit Katil, Kolej Yayasan Melaka (KYM) and Advanced Technology Training Center (ADTEC) Melaka.

This program served as an inclusive platform for students to gain entrepreneurship knowledge, build professional networks, and ignite entrepreneurial spirit among university and technical students. It also provided participants with opportunities to explore entrepreneurship through valuable insights from industry experts, fostering the development of visionary young entrepreneurs and establishing strong professional connections.



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



SDG 9: Industry, Innovation and Infrastructure

JomChat with the Senior Vice President & Managing Director



The afternoon programme, titled *JomChat* with Senior Vice President & Managing Director, Mr. Eng Seng Meng from Infineon Technologies Sdn. Bhd., is held in conjunction with Infineon Week@UTeM 2024. This programme aims to gather

direct feedback from Mr. Eng Seng Meng regarding his experience in managing one of the largest companies in Malaysia, as well as to foster stronger informal ties between both parties. It also highlights the outstanding performance of UTeM researchers in the fields of research and innovation.

STEM Programme at SK Lendu



The program aims to stimulate students' interest in the fields of Science, Technology, Engineering, and Mathematics (STEM), particularly in robotics technology, and to cultivate a generation that is creative, innovative, and highly skilled.

MRG Researchers Present at IEEE International Symposium on Antennas and Propagation



Two researchers from the Microwave Research Group (MRG) at Universiti Teknikal Malaysia Melaka (UTeM), Professor Dr. Zahriladha Zakaria and Ir. Dr. Noor Azwan Shairi, are attending this symposium.

Two research papers from MRG are presented in this symposium. These papers are titled "Single Pole Double Throw Discrete Switch using Switchable Microstrip Line Resonators for Millimeter Wave in 26/28 GHz Band" and "A New Class of Microfluidic T-resonator Based on Blazed Grating for Sensing".

Putrajaya Festival of Ideas (Putrajaya FOI) 2024



The Putrajaya Festival of Ideas (Putrajaya FOI) 2024 officially kicks off today and will run until November 29 at the Putrajaya International Convention Centre (PICC). This event serves as a platform to identify and showcase the expertise of educational institutions through knowledge-sharing programs, conferences, and innovative exhibitions, addressing current challenges and promoting Malaysia Madani's sustainability goals alongside the community.

The event will be officiated by YBM KPT, YB Dato' Seri Diraja Dr. Zambry Abd Kadir. Several notable researchers from UTeM are participating, including Dr. Muhammad Zulfattah bin Zakaria, who presents modified microbial technology to produce NPK fertilizer from rice straw waste, offering a cost-effective organic solution.

Mr. Mohammad Rafi bin Omar and his team, showcasing the Rapid Advanced Future (RAF) Lightweight Prosthetic Leg — an innovative prosthetic designed specifically for individuals without PERKESO contributions.

Dr. Mohd Nazmin bin Maslan, leading a STEM exhibition featuring Micro-Bit programming and 3D printing technology. This event aims to encourage collaboration, create opportunities, and exchange ideas, while offering demonstrations and commercialization opportunities for cutting-edge innovations — both locally and internationally.

WiBNet Workshop Series on Python-based USRP Development



We had the pleasure of hosting an engaging and insightful session today as part of the WiBNet Workshop Series, focusing on Python-based USRP Development. Led by Prof. Madya Dr. Mohd Riduan Ahmad, participants explored both the hardware and software dimensions of USRP development in a hands-on learning environment.

The workshop offered an incredible opportunity to bridge the gap between theory and application, equipping attendees with practical skills and innovative ideas. These concepts in their future projects and collaborations.

UTeM AND TEXAS INSTRUMENTS FORGE STRATEGIC PARTNERSHIP, ESTABLISH TEXAS INSTRUMENTS COMPETENCE CENTRE (TICC)



On October 16, 2024, Universiti Teknikal Malaysia Melaka (UTeM) marked a new milestone in the higher education landscape with the launch of the Texas Instruments Competence Centre (TICC) and the Texas Instruments–UTeM Innovation Competition 2024 (TUIC2024). The event was fully organized by Texas Instruments Electronics (M) Sdn Bhd and UTeM.

Held alongside the TICC launch, TUIC2024 successfully gathered innovative ideas from students across public and private universities (IPTA and IPTS) in Malaysia. The competition not only encouraged creative thinking but also provided a platform for students to enhance their skills in navigating the increasingly competitive job market. TUIC2024 received an

impressive 50 project submissions from students nationwide. In TUIC2024, UTeM secured a Silver Medal with their project "Smart Excursion Dryer".

Robotics Exhibition in Conjunction with "Kimia Ke Desa" 2024

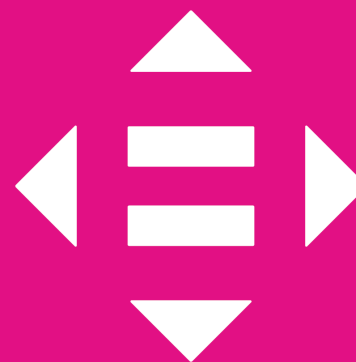


On September 28, 2025, Universiti Teknikal Malaysia Melaka (UTeM) held a Robotics Exhibition in conjunction with the Kimia Ke Desa 2024 program at the Industrial Training Institute (ILP) in Selandar, Melaka.

This exhibition aims to educate the younger generation, encouraging them to explore innovation and develop skills aligned with STEM-based careers.



10 REDUCED INEQUALITIES



SDG 10: Reduced Inequalities

Virtual Exhibition: Consumer Rights by PIDM



The PLH Virtual Exhibition is an initiative to create a space and opportunity for virtual visitors to engage without the need to be physically present at PLH.

This exhibition presents information regarding the role of PIDM in administering the Deposit Insurance System and the Takaful and Insurance Benefits Protection System to safeguard financial consumers in Malaysia, as well as holders of takaful certificates and insurance policies.

The Excellence Service Award (APC) and Outstanding Service Award (AJB) Ceremony – Centre for Strategic Management, Quality & Risk (PPSKR)



This ceremony has been organised to formally acknowledge and celebrate the significant contributions and exceptional achievements of the university staff in their dedicated efforts towards the development and progress of UTeM's management.

The award is inclusive and accessible to all individuals, irrespective of their background, gender, or educational qualifications, recognising their invaluable input to the institution's success and growth. It serves as a platform to honour those who have demonstrated outstanding commitment and excellence in their roles, fostering a culture of recognition and appreciation within the university community.

UTeM Students' Co-Curricular Activities



At UTeM, we empower TVET while preserving heritage and cultural traditions, embracing students of all genders. The UTeM spirit shines brightly through students' co-curricular activities, reflecting their dedication and enthusiasm.

School Holiday Program for UTeM Staff's Children



On September 17, 2024, UTeM's Perpustakaan Laman Hikmah (PLH) organized an exciting School Holiday Program filled with various activities for the children of UTeM staff.

The activities included children's movie screenings, indoor games, bag painting, "Syoknya Origami" (Fun with Origami), "Enjoy with Bricks" (building with bricks), "Jom Belajar Canva" (Let's Learn Canva), "Jom Celik IT" (Let's Get IT-Savvy), and many more. This program was open to all UTeM staff members, regardless of their position or grade.



11 SUSTAINABLE CITIES AND COMMUNITIES



SDG 11: Sustainable Cities and Communities

Madani Student Empowerment Programme (UA) @ Simpang Jeram



A total of 40 volunteers from the Tuah Volunteer Team (TVT), who played a crucial role in carrying out various community activities within this programme, were involved.

Among the activities conducted were motorcycle servicing (100 units), air conditioning servicing, electrical wiring, and KTP – the candle-making process.

Registrar's Office Team Bonding Course



This course is a continuous initiative by the Talent Development Division (BPB) in supporting the achievement of UTeM's 5ST Strategic Plan under ST4: Creating a Vibrant Ecosystem, Sustaining the University through the Theme: 'Excelling in Human Capital.'

It emphasizes the need for staff to be provided with opportunities and space to engage in programmes under the Family Development Cluster, as documented in the UTeM Human Resource Strategic Plan 2015-2025.

Knowledge Sharing and Transfer Program (KSTP) Workshop and Robotics Competition (DRON) Department of Community Development, Melaka State 2024



The workshop and competition led by Ts. Aminurrashid bin Noordin (Head of the RG Dai-Tech) are divided into two categories: primary school students and secondary school students. These students were introduced to drone technology through a briefing and were subsequently divided into primary and secondary groups to engage in drone assembly and group-based drone competitions.

Madani Gotong Royong



The TUAH UTeM Icon must meet the criteria of the 8 TUAH dimensions, one of which focuses on fostering students' active involvement in volunteer activities. UTeM, specifically the Faculty of Electrical Engineering and Technology (FTKEK), has been invited by Sekolah Kebangsaan Berisu to collaborate in the success of the Madani Gotong Royong Programme on 8 June 2024.

Programs such as this are crucial for strengthening the relationship between the university and the local community, particularly in volunteerism. A total of 40 FTKEK students participated in this programme to ensure its success.

Corporate Social Responsibility (CSR) Program at SK Jasin



The program was organized by the Center for Research and Innovation Management (CRIM) UTeM in collaboration with FTKM. FTKM was represented by a team of Assistant Engineers who carried out air conditioner maintenance activities at the school.

The dedicated Assistant Engineers involved were Mr. Rashdan Seman, Mr. Asjufri Muhajir, Mr. Faizol Kamarol Zahari, Mr.

Habirafidi Ramly, Mr. Nor Izwan Junoh, Mr. Mazlan Tumin, Mr. Mohd Kamil Anuar Akram and Mr. Khairul Fitri Zainal.

Digital Literacy Program @ SPEED in SK(P) Durian Daun



The Digital Literacy Program @ SPEED was a collaborative effort between FTKM (representing UTeM) and Japerun Duyong,

aimed at introducing students to technology and cultivating their tech skills from an early age.

Alongside FTKM students who participated as facilitators, FTKM academic staff also contributed their time and expertise to make this program a success. The dedicated team included Ts. Dr. Amir Abdullah Muhamad Damanhuri (Program Director), Ts. Dr. Ahmad Fuad Abdul Rasid, Ts. Dr. Mohd Khairil Anbia Chi Adam, Ts. Qamar Fairuz Zahmani, Ts. Mohd Zakaria Mohammad Nasir and Dr. Noor Saffreena Adam.

Hoped that initiatives like this will continue to strengthen partnerships between the university and local communities while inspiring school students to develop an interest in STEM — nurturing the next generation of tech-savvy innovators

Prosthetic Leg Contribution Program for the Community



On 26 September 2024, FTKM Research Team successfully organized a Prosthetic Leg Contribution Program today at the RICE Technology Campus, Melaka. This initiative aims to strengthen Universiti Teknikal Malaysia Melaka's (UTeM) role in supporting the community, aligned with the Madani development philosophy outlined by the government.

A total of six recipients from Melaka benefitted from the program, supported by industry partner Kedidi Global Sdn. Bhd. The Deputy Director of RICE attended on behalf of the Director to deliver the opening remarks. Notably, Teaching Factory UTeM played a key role by providing fast and efficient prosthetic leg measurements using 3D Scanner technology.

This program not only highlights UTeM's commitment to empowering the community but also makes a meaningful impact on those in need of prosthetic legs, particularly in improving their quality of life.



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



SDG 12: Responsible Consumption and Production

Jualan Perabot Rahmah for the Closure of Central Store



Jualan Perabot Rahmah for UTeM Staff was successfully held at the Central Store premises, UTeM Technology Campus. This program benefited over 500 UTeM staff members, allowing them to purchase second-hand items at a selling price of RM 1 per item.

An estimated total of 1,315 units were sold. The rental contract for the Central Store is set to expire on 1st August 2024, and as part of space-saving measures and risk management strategies,

UTeM has decided not to renew the rental agreement for the Central Store.

Sustainable Expedition Programme: Exploring Nature at Gangsa National Primary School & Paya Rumput National Primary School



This programme is a collaboration between PTHM and UTeM, involving two schools with 85 students and 10 teachers from SK Gangsa, as well as 120 students and 15 teachers from SK Paya Rumput.

This knowledge transfer programme is conducted during the school's co-curricular activities and aims to build a strong foundation of knowledge by exposing participants to the importance of ecosystems, biodiversity, and current environmental issues, while fostering sustainable education at the grassroots level.

Implementation of Scheduled Waste Disposal at UTeM (Excluding Clinical Waste)



The Scheduled Waste Disposal Activity at UTeM was successfully carried out on 21 and 22 November 2024 across several locations within UTeM:

- 1) FTKM (Main Campus)
- 2) FTKIP (Main Campus & Technology Campus)
- 3) PKU (Main Campus)
- 4) FTKEK (Main Campus & Technology Campus)
- 5) FTKE (Main Campus)
- 6) PPF (Main Campus)
- 7) Central Store (Technology Campus)

This initiative reflects UTeM's commitment to ensuring proper waste management and environmental sustainability.

World Cleanup Day 2024 at UTeM



From 23 to 27 September 2025, CENSEi in collaboration with SWCorp (Solid Waste Management and Public Cleansing Corporation) successfully organized the World Cleanup Day program at UTeM. Apart from general cleaning activities, the program prioritized recycling collection efforts, including paper, cardboard, plastics, scrap metals, and e-waste.

This initiative aimed to promote environmental awareness and encourage sustainable waste management practices among the UTeM community.

"Trash to Cash" Program



On June 19, 2024 (Wednesday), UTeM held the "Trash to Cash" program at the mosque parking area to promote environmental awareness and show how waste can be turned into value. Participants brought recyclables like paper, plastic, aluminum cans, metal, and e-waste to exchange for cash. The program aimed to encourage students and staff to manage waste responsibly and support UTeM's goal of becoming a greener, more sustainable campus.

Easy Green Practices: Candle Craft from Used Cooking Oil



On February 16, 2024 (Friday), the "Easy Green Practices: Candle Craft from Used Cooking Oil" program was held at Taska Genius Perpaduan Taman Maju, Jasin. The program aimed to educate the community on repurposing used cooking oil into

eco-friendly candles, promoting waste reduction and sustainable living. This hands-on activity engaged children, parents, and educators, demonstrating that adopting green practices can be simple, enjoyable, and beneficial for the environment.

Invitation to Participate in the Exhibition for the Kasturi Green Run Program 2023/2024



CENSEi UTeM, represented by the Head of Green Practices, Head of Smart Energy, and an Assistant Engineer, participated in an exhibition during the Kasturi Green Run 2023/2024. The exhibition featured a demonstration on creating eco-friendly candles from used cooking oil and a light performance test comparing LED bulbs to regular bulbs. Held on January 27, 2024, at Durian Daun Recreational Park, Masjid Tanah, Melaka,

the program aimed to raise public awareness on sustainable practices, encourage the community to transform waste into valuable products, and promote energy-efficient choices — supporting a greener and more environmentally conscious lifestyle.

Placement of Fabric Recycling Bin at UTeM



The Green Practices Division of the UTeM Smart Environment Center (CENSEi) has placed a Fabric Recycling Bin next to the Recycling Cage located in the compound of Masjid Sayyidina Abu Bakar, UTeM.

CENSEi encourages all UTeM staff and students to responsibly drop off their fabric waste or old clothes in the designated bin to support sustainable waste management and promote a greener campus environment.



13 CLIMATE ACTION



SDG 13: Climate Action

Highlights from the Portable Weather Station (PWS) Equipment Training



The training session took place at ASEL Laboratory, FTKM Technology Campus, with 18 staff members participating from 9:00 AM to 1:00 PM on 8 October 2024.

The session covered an introduction to the PWS equipment, which can measure temperature, humidity, air pressure, wind

speed and direction, rainfall, and solar radiation. The day began with registration and breakfast, followed by theory-based training and a hands-on demonstration of the equipment.

A heartfelt thank you to all participants for their full commitment and engagement throughout the session. It is hoped that this training will enhance staff skills in handling PWS equipment and contribute to improved weather data management in their respective workplaces.

PIONEER FLOOD MONITORING PROJECT AT TAMAN MASJID TANAH RIA, MASJID TANAH, MELAKA



The installation of a flood monitoring system has been successfully completed at Taman Masjid Tanah Ria, Masjid Tanah, Melaka. Led by Mr. Mazran bin Esro alongside Associate Professor Eur Ing Dr. Siva Kumar A/L Subramaniam from the Faculty of Electronic and Computer Engineering Technology (FTKEK), UTeM, the project ran from November to December 2024.

The monitoring system provides early flood warnings, delivering real-time notifications to residents and authorities via mobile applications and social media.

This initiative is a collaborative effort between the Melaka State Government and UTeM, coordinated by the RICE UTeM-Melaka Collaboration Management Center and UPEN, with support from local agencies such as the Melaka Department of Irrigation and Drainage (JPS) and the Alor Gajah Municipal Council (MPAG).

The project forms part of Melaka's strategic plan to mitigate the impact of flash floods, which frequently occur due to climate change and unpredictable rainfall patterns. The system is designed to minimize property damage and streamline rescue efforts in affected areas.

Photos captured throughout the installation process showcase the system being set up at designated locations.

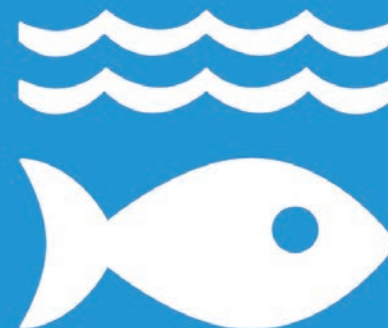
Melaka Green Award Audit



This audit was conducted to assess the extent to which UTeM has implemented Green Culture, the category in which CENSEi participated in the competition. The audit was attended by more than five evaluators from the Melaka Green Technology Corporation.



14 LIFE BELOW WATER



SDG 14: Life Below Water

Plogging Day – Let's Clean Our Lake!



This programme is being implemented to collect and clean up the solid waste presented around the recreational area of the UTeM lake.

International Knowledge Sharing and Transfer Program (KSTP) on Robotic Systems for Environmental Quality Monitoring through IoT Technology and CSR Beach Clean-Up at Melaka Marine Park



This programme is expected to have a significant impact by enhancing students' knowledge and skills in robotics and IoT for environmental monitoring, fostering international collaboration and academic networking, and encouraging innovation in real-time environmental assessment.

It also promotes greater awareness of sustainability challenges while equipping students with expertise that enhances their employability and research opportunities in environmental technology.

Plogging at UTeM



This programme is designed to systematically collect and remove solid waste from the surroundings of the lake recreational area, ensuring a cleaner, healthier, and more aesthetically pleasing environment. By enhancing the cleanliness of the space, the initiative aims to promote environmental sustainability, improve public well-being, and create a more enjoyable atmosphere for visitors and the local community.

CSR Program: Community Clean-Up and Exhibition at Kuala Sungai Baru



On 1st December 2024, the Ministry of Higher Education (KPT), in collaboration with UTeM, UiTM, Politeknik Melaka, Kolej Komuniti Masjid Tanah, Permuafakatan Penduduk Islam Kuala Sungai Baru, and JAPERUN Kuala Linggi, successfully organized a CSR gotong-royong (community clean-up) program at Kuala Sungai Baru. Additionally, a community product exhibition was held to engage and empower the local residents.

The clean-up initiative successfully collected 298 kg of plastic waste, helping to protect aquatic life in the river from pollution and preserve the local ecosystem. This effort reflects a strong commitment to environmental sustainability and community unity.

KSTP Program: “Sustain The Shell: Turtle Conservation and Sustainability Initiative”



On 25th November 2024, the RICE UTeM-Melaka Collaboration Management Center (RICE), in collaboration with the Faculty of Technology and Industrial and Manufacturing Engineering (FTKIP), organized the KSTP Sustainable Development Awareness Program titled “Sustain The Shell: Turtle Conservation and Sustainability Initiative” at the Turtle Conservation and Information Centre, Melaka.

A total of 120 participants joined the program, taking part in various activities, including educational sessions on ecosystem awareness, beach clean-up activities, and cleaning turtle egg hatchery areas.

This initiative aims to instill environmental awareness, particularly regarding the importance of preserving turtle nesting beaches. It is hoped that these efforts will lead to cleaner, safer nesting grounds, encouraging more turtles to lay eggs — contributing to local ecosystem stability and long-term turtle conservation.

Knowledge Sharing Transfer Program (KSTP) & ‘Beach Cleanup’ Community Project at Pantai Siring and Pulau Burung



Perpustakaan Laman Hikmah (PLH), in collaboration with RICE UTeM-Melaka Collaboration Management Center, has successfully organized the Knowledge Sharing Transfer Program (KSTP) & ‘Beach Cleanup’ Community Project at Pantai Siring and Pulau Burung, Serkam, Jasin, Melaka.

This initiative aimed to raise awareness among target groups about the importance of preserving the environment, while enhancing the beauty of beaches and islands with potential as tourist attractions in the state of Melaka.



15 LIFE ON LAND



SDG 15: Life on Land

UTeM Sabah Alumni CSR Project: Ginger Planting with Solar-Powered Fertigation System



On 23rd November 2024 (Saturday), in Penampang, Sabah, the Universiti Teknikal Malaysia Melaka (UTeM) Sabah Alumni Chapter demonstrated their commitment to enhancing the university's visibility in the region. A total of 16 UTeM alumni

and 9 members of the public successfully carried out a Corporate Social Responsibility (CSR) project, preparing 500 ginger plant polybags, complete with a fertigation system and solar energy setup in Kampung Sugud, Penampang, Sabah.

Representatives from Politeknik Kota Kinabalu and Kolej Komuniti Papar were also invited for a knowledge transfer session on operating the solar system and fertigation water nutrient system. The CSR project was led by Ts. Clara Valdez as the Program Director, aiming to empower the local community with sustainable agriculture practices while promoting clean energy solutions.

Corporate Social Responsibility (CSR) Program & Knowledge Sharing Transfer Program (KSTP) at the National Elephant Conservation Centre, Kuala Gandah, Pahang





This initiative demonstrates UTeM and FTKE's commitment to fulfilling corporate social responsibility by supporting the government's aspirations, while also enhancing visibility and promoting UTeM within the local community.

Exploration Programme for Healthy Living



The FTKM Student Association (MeTECH) organised the *Explorasi Jom Sihat* programme at Bukit Batu Putih on 25th May 2024. A total of 70 participants, including 10 accompanying lecturers, took part in the event, with the Deputy Dean of Student Development at FTKM, Dr. Nadlene Binti Razali, joining the programme to further enliven the event alongside the students.



16 PEACE AND JUSTICE STRONG INSTITUTIONS



SDG 16: Peace, Justice and Strong Institutions

Visiting the Family of a Student in Tapah, Perak, the Late Yip Wai Chun



The Student Welfare Division, HEPA, UTeM has visited the family of the late Yip Wai Chun, a student who tragically passed away in a road accident in early June, at their home in Tapah, Perak.

The student's family also received financial assistance from the UTeM Student Welfare Fund, as well as a contribution from the Yayasan Perkasa Siswa, which was represented by Mr. Kali from the BHEP KPT.

National Month Celebration and Hoisting of the Jalur Gemilang Ceremony 2024



This programme is expected to:

1. Enhance the celebration of Independence Month among all UTeM staff.
2. Promote the "Fly the Jalur Gemilang" campaign among the entire UTeM community.
3. Deliver the mandate of UTeM's top management on further igniting the spirit of *Jiwa Merdeka* (Independent Soul).

National Seminar on Internal Audit 2024



This seminar is organised to enhance the performance and effectiveness of Internal Audit by leveraging digitalisation in audit processes. It aims to improve the efficiency, adaptability, and strategic role of Internal Audit in meeting the evolving demands of the auditing landscape. Additionally, the seminar serves as a knowledge-sharing platform, equipping audit professionals with insights into contemporary auditing practices, regulatory expectations, and technological advancements by fostering a more efficient, transparent, and accountable auditing framework.

Personal Data Protection Act (PDPA) Training Course for F1 Team



This course provides participants with insights into the importance of understanding and safeguarding personal data, as well as the relevant regulations and acts governing its management and organisational operations. Participants will also be introduced to practical security measures and methods, alongside knowledge-sharing and experiential learning through the analysis of existing case studies.

Brisk Walk Programme: Independence Spirit with the Vice-Chancellor of UTeM



The programme, organised by the Office of Facilities Management, was attended by the Honourable Datuk Vice-Chancellor, the Deputy Vice-Chancellor for Student Affairs & Alumni of UTeM, the Director of the Facilities Management Office (PPF) UTeM, the Director of the Development Management Office UTeM, the Director of the UTeM Sports Centre, the Director of the UTeM Security Office, as well as the entire UTeM community from various departments.

MTUN-JPPKK Articulation Workshop, Series 1-UNIMAP, Perlis



This workshop aims to reach an agreement on the implementation of a credit transfer programme for Diploma students at Polytechnics to pursue bachelor's degree studies at MTUN.

Workshop on Guidelines and Policies for Open and Distance Learning (ODL) Programmes



This workshop is designed to collect comprehensive input and ensure the alignment of all relevant insights, policies, and procedural frameworks related to the implementation of the Open and Distance Learning (ODL) programme. It seeks to facilitate a structured and cohesive approach to policy formulation and execution, ensuring the effective and seamless delivery of the programme.

Benchmarking & Courtesy Visit to UKMSHAPE



The purpose of this working visit is for UTeM to conduct a benchmarking exercise with UKMSHAPE, particularly in relation to the following aspects:

1. Best practices in the implementation of offshore Programmes.
2. The involvement of agents in student recruitment, especially from overseas.
3. The role and scope of UKMSHAPE within UKM.

Additionally, this visit also aims to explore the core scope of UKMSHAPE, the business model adopted, the execution of offshore programmes, and the engagement of agents in the recruitment process for international students.

Coordination Workshop for the Validation of Migration Data for the Outcome-Based Education (OBE) 2.0 System at UTeM



The purpose of this workshop is as follows:

All pre-graduate programs are required to verify the data that needs to be migrated from the OBE V1.0 system to OBE V2.0, involving the student cohort starting from 2019/2020.

The data adjustment will be made in a standardized format to facilitate the PPPK in the data migration process. The data involved includes PEO, PO, LO, PEO vs PO, PO vs LO, and PO, LO vs Delivery Method.

Board of Studies (BOS) Workshop for the BTMS Programme, FPTT



The BOS workshop was held among members of the FPTT Executive Committee, FPTT lecturers, industry representatives, and FPTT alumni.

The purpose of the workshop was to review the BTMS programme curriculum and assess the relevance of the programme to the current industry.

Workshop on the Preparation of Planning and Development Documents for the Campus under the 13th Malaysia Plan (RMK-13) for the Years 2025 to 2030



This workshop was attended by all relevant departments, covering the planning of project applications under the Thirteenth Malaysia Plan (RMK-13) for a five-year period, encompassing academic needs, research and innovation, as well as student affairs and community needs.

Fire Training Programme at the Faculty of Technology Management and Technopreneurship (FPTT), UTeM Technology Campus



The Occupational Safety and Health Division, in collaboration with the Occupational Safety and Health Committee of the PTJ at FPTT, organised a fire drill in cooperation with the Fire and Rescue Department.



17 PARTNERSHIPS FOR THE GOALS



SDG 17: Partnerships for the Goals

International Collaborations: Memoranda of Understanding (MoU) and Agreements (MoA)

In 2024, UTeM signed 71 MoUs and 24 MoAs with International Institutions. The list of these signed MoUs and MoAs is shown in the table below:

List of UTeM's International MoU Partnerships

No	Institution	Faculty	Duration
1	Abu Dhabi School of Management, United Arab Emirates	IPTK	2024 - 2029 (5 years)
2	University of Plymouth, England	FTMK	2023 - 2025 (2 years)
3	Politeknik Negeri Batam, Indonesia	FPTT	2024 - 2029 (5 years)
4	Ajman University, United Arab Emirates	FTMK	2024 - 2029 (5 years)
5	Micro:Bit Educational Foundation, England	FTMK	2024 - 2029 (5 years)
6	Universitas Islam Batik Surakarta (UNIBA), Indonesia	IPTK	2022 - 2027 (5 years)

No	Institution	Faculty	Duration
7	Universiti Teknologi Brunei, Brunei	FTKIP	2024 - 2029 (5 years)
8	University of Kasem Bundit, Thailand	FPTT	2023 - 2028 (5 years)
9	Universitas Pembangunan Nasional (UPN) Veteran Yogyakarta, Indonesia	FTMK	2024 - 2029 (5 years)
10	Universitas Atma Jaya Yogyakarta, Indonesia	FPTT	2023 - 2028 (5 years)
11	Universitas Sumatera Utara (USU), Indonesia	FTKEE	2023 - 2028 (5 years)
12	Institut Informatika dan Bisnis Darmajaya, Indonesia	FTMK	2024 - 2029 (5 years)
13	Kyushu Institute of Technology (Kyutech), Jepun	CENSEi	2023 - 2025 (2 years)
14	Universitas Tanjungpura, Indonesia	FTMK	2023 - 2028 (5 years)
15	Universitas Trisakti, Indonesia	FTKIP	2024 - 2029 (5 years)

No	Institution	Faculty	Duration
16	Universitas Internasional Batam (UIB), Indonesia	FTMK	2022 - 2027 (5 years)
17	Universitas Negeri Semarang, Indonesia	FPTT	2024 - 2029 (5 years)
18	Universitas Semarang (UNNES), Indonesia	FPTT	2023 - 2025 (2 years)
19	University Of Sarajevo, Bosnia	FPTT	2023 - 2028 (5 years)
20	Universitas Muhammadiyah Yogyakarta (UMY), Indonesia	IPTK	2023 - 2028 (5 years)
21	Universitas Dumai, Indonesia	FTMK	2024 - 2029 (5 years)
22	Zhengzhou Youth Vocational Secondary Professional School, China	PPSH	2023 - 2028 (5 years)
23	Shandong College of Electronic Techonolgy, China	FTKEK	2024 - 2029 (5 years)
24	Shandong Vocational and Technical University of	FTMK	2024 - 2027 (3 years)

No	Institution	Faculty	Duration
	International Studies, China		
25	BinZhou Polytechnic, China	UGlobe	2024 - 2029 (5 years)
26	Shandong Vocational College of Science and Technology, China	FTMK	2024 - 2029 (5 years)
27	Universitas Muhammadiyah Palembang, Indonesia	FTKEK	2024 - 2029 (5 years)
28	Kiel University of Applied Sciences, Germany	FTKM	2024 - 2030 (6 years)
29	Hochschule Kaisersalutern University of Applied Sciences, Germany	FTKEK	2024 - 2027 (3 years)
30	Aschaffenburg University of Applied Sciences, Germany	FTMK	2024 - 2029 (5 years)
31	Universitas Pembangunan Panca Budi, Indonesia	FTMK	2024 - 2029 (5 years)
32	Universitas Gadjah Mada, Indonesia	FTMK	2024 - 2029 (5 years)
33	Universitas Mulia, Indonesia	FTMK	2024 - 2029 (5 years)

No	Institution	Faculty	Duration
34	Universiti Islam Sultan Sharif Ali, Indonesia	FTMK	2024 - 2029 (5 years)
35	Yunnan Fenglongwan Enterprise Management Co., China	CeLL	2024 - 2029 (5 years)
36	College of Management and Tecnology Campus (CMT Campus), Sri Lanka	FPTT	2024 - 2029 (5 years)
37	Islamic University of Technology, Gazipur Bangladesh	FTKIP	2023 - 2028 (5 years)
38	Shinshu University, Jepun	FTKE	2023 - 2028 (5 years)
39	International University of Sarajevo, Bosnia	FTKEK	2023 - 2028 (5 years)
40	Kasem Bundit University, Thailand	FPTT	2023 - 2028 (5 years)
41	Ataturk University, Turkey	FTKEK	2023 - 2028 (5 years)
42	Japan Advanced Institute of Science & Technology (JAIST), Jepun	FTKIP	2023 - 2028 (5 years)
43	Universitas Alma Atta, Indonesia	FTMK	2023 - 2026 (3 years)

No	Institution	Faculty	Duration
44	Alibaba (China) Education & Technology Co., Ltd., China	FPTT	2023 - 2028 (5 years)
45	Universitas Bandar Lampung, Indonesia	FTMK	2023 - 2026 (3 years)
46	Hadhramout University (HU), Yemen	FTKEK	2023 - 2026 (3 years)
47	University of Plymouth, England	FTMK	2023 - 2025 (2 years)
48	Liuzhou Jiatong School, China	FTKM	2023 - 2028 (5 years)
49	Sekolah Tinggi Manajemen Informatika dan Komputer Dumai, Indonesia	FTMK	2023 - 2028 (5 years)
50	Universitas Hasanuddin Makassar, Indonesia	FTMK	2023 - 2028 (5 years)
51	Universitas Muhammadiyah Magelang (UMM), Indonesia	FPTT	2023 - 2028 (5 years)
52	Institut Sains & Teknologi Akprind, Indonesia	FTKIP	2023 - 2028 (5 years)
53	Universitas Ahmad Dahlan (UAD), Indonesia	FTKIP	2023 - 2028 (5 years)

No	Institution	Faculty	Duration
54	Universitas Bangka Belitung (UBB), Indonesia	FTKM	2023 - 2028 (5 years)
55	Universitas Islam Negeri Sunan Kalijaga Yogyakarta, Indonesia	FTKIP	2023 - 2028 (5 years)
56	Universitas Muhammadiyah Surakarta, Indonesia	FTKM	2023 - 2028 (5 years)
57	Universitas Balikpapan (UNIBA), Indonesia	FTKEK	2023 - 2028 (5 years)
58	Institut Teknologi Sumatera, Indonesia	FTKE	2022 - 2027 (5 years)
59	Nagaoka University of Technology, Japan	FTKIP	2022 - 2027 (5 years)
60	Gebze Technical University, Turkey	FTKM	2022 - 2027 (5 years)
61	Universitas Internasional Batam (UIB), Indonesia	FTMK	2022 - 2027 (5 years)
62	Aachen University of Applied Sciences, Germany	FTKM	2022 - 2025 (3 years)

No	Institution	Faculty	Duration
63	Northwestern Polytechnical University, Shaanxi, China	FTKE	2022 - 2025 (3 years)
64	Institut Teknologi Sepuluh Nopember (ITS), Indonesia	FTKIP	2022 - 2027 (5 years)
65	Hochschule Hannover University of Applied Sciences and Art, German	FTKIP	2021 - 2026 (5 years)
66	King Mongkut's Institute of Technology Ladkrabang, Thailand	FTKEK	2020 - 2025 (5 years)
67	Nagoya University, Japan	FTKM	2020 - 2025 (5 years)
68	Jeonbuk National University, Korea	FTKIP	2020 - 2025 (5 years)
69	Coventry University, United Kingdom, England	FTMK	2020 - 2025 (5 years)
70	Nagaoka University of Technology, Japan	FTKM	2020 - 2025 (5 years)
71	Amity University Rajasthan, India	FTKEK	2020 - 2025 (5 years)

List of UTeM's International MoA Partnerships

No	Institution	Faculty	Duration
1	Universitas Internasional Batam (UIB), Indonesia	FTMK	2024 - 2025 (1 year)
2	Universitas Sumatera Utara, Indonesia	FTKEK	2024 - 2025 (1 year)
3	Universitas Semarang, Indonesia	FPTT	2024 - 2025 (1 year)
4	Uni Student Universities Entrance Services, United Arab Emirates (UAE)	IPTK	2023 - 2028 (5 years)
5	Semiconductor Components Industries, LLC USA	FTKEK	2023 - 2028 (5 years)
6	The United Nations Development Programme (UNDP), USA	FTKIP	2024 - 2027 (3 years)
7	Yayasan Perguruan Tinggi Islam Batik Surakarta (YAPERTIB), Indonesia	IPTK	2024 - 2025 (1 year)
8	Hei Long Jiang Agricultural Economy Vocational College, China	FPTT	2023 - 2026 (3 years)
9	Zhejiang University of Technology, China	FTKIP	2023 - 2026 (3 years)

No	Institution	Faculty	Duration
10	Dunarea De Jos" University of Galati, Romania	FTKIP	2023 - 2026 (4 years)
11	Universitas Airlangga, Indonesia	IPTK	2023 - 2028 (5 years)
12	Institut Teknologi Bandung (ITB), Indonesia	FTKM	2023 - 2028 (5 years)
13	Sekolah Tinggi Teknologi Bandung (STTB), Indonesia	FTKM	2023 - 2028 (5 years)
14	Zhongxing Education Management Co. Ltd (ZEM), China	FTKE	2023 - 2033 (10 years)
15	Universitas Syiah Kuala (USK), Indonesia	FTKE	2023 - 2028 (5 years)
16	Universitas Mulawarman (UNMUL), Indonesia	FTKIP	2023 - 2028 (5 years)
17	Institut Teknologi Kalimantan (ITK), Indonesia	FTKIP	2023 - 2028 (5 years)
18	Liverpool John Moores University, England	FTKIP	2023 - 2026 (3 years)
19	Shibaura Institute of Technology, Jepun	FTKIP	2023 - 2028 (5 years)
20	Prince of Songkla University (PSU), Thailand	FTKIP	2022 - 2027 (5 years)

No	Institution	Faculty	Duration
21	Üsküdar University, Turkey	FTKE	2022 - 2027 (5 years)
22	Hunan Institute of Technology, China	FTKIP	2022 - 2027 (5 years)
23	Vellore Institute of Technology, India	FTKEK	2021 - 2026 (5 years)
24	Universitas Semarang, Indonesia	FPTT	2020 - 2025 (5 years)

UTeM Expands Publishing Collaboration in Beijing



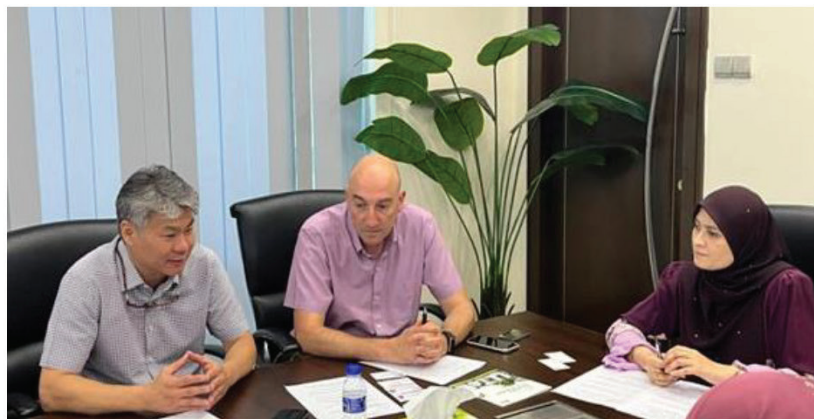
The UTeM Publisher participated in the 2024 Beijing International Book Fair (BIBF), held from 19 to 23 June 2024 in Beijing, China.

This inaugural participation aims to promote UTeM's published books and seize opportunities for collaboration in the publication of academic books, as well as various forms of bilateral partnerships that can be established between UTeM Publisher and publishers and universities in Beijing.

The UTeM Publisher also had the opportunity to launch a latest scholarly book titled '*Tips and Tricks in Writing a Research Proposal*', authored by the Vice Chancellor of UTeM, Professor

Datuk Ts. Dr. Massila Kamalrudin, and Senior Lecturer at UTeM, Dr. Cheong Kar Mee.

Courtesy Visit of Institut De Soudure Groupe, France



UTeM received a courtesy visit from Institut de Soudure Groupe, France. The purpose of this visit was to discuss industrial training programmes in the technical field, particularly welding.

Other key matters deliberated included welding certification programmes for UTeM students or JELITA, research collaboration, laboratory certification, and the establishment of a training centre.

Courtesy Visit from the Education and Cultural Attaché, Embassy of the Republic of Indonesia (KBRI)



UTeM received a courtesy visit from the Embassy of the Republic of Indonesia, led by Prof. Dr. Muhammad Firdaus, the Education Attaché of the Indonesian Embassy in Kuala Lumpur, who is also an active strategic partner under an existing Memorandum of Understanding (MoU). The discussions

centred on student mobility programmes, academic initiatives, and research collaborations.

Signing of the Memorandum of Understanding (MoU) for TVET Borneo Collaboration Between UMP,SA, UTeM, UNIMAP, UTHM, UMS, and UNIMAS



To develop educational and vocational collaboration and establish cooperative programmes between UMS, UNIMAS, and MTUN, and to work together in their mutual interests for various TVET activities.

Collaboration in the fields of academia and research will serve their shared interests in contributing to deeper technological innovations and supporting industrial activities in Malaysia more broadly.

The scope of this MoU collaboration is as agreed upon by both parties, namely:

- i. Conducting joint academic programmes to empower the TVET agenda in Borneo.
- ii. Organising lectures, training sessions, symposiums, international meetings, conferences, and workshops.
- iii. Placement of staff, researchers, and students.
- iv. Exchange of expertise, information, learning materials, and technological and scientific resources.
- v. Development of research related to both parties.
- vi. Collaboration on corporate social responsibility (CSR) and sustainability initiatives with relevant resources from both parties;
- vii. Any other areas of cooperation that may be agreed upon by both parties.

Official Visit of UTeM with the Delegation of the Governor of Melaka to Cape Town, South Africa





Official Visit to Stellenbosch University, Madina Institute, University of the Western Cape, and International Peace College South Africa:

- i. Signing of the Letter of Intent (LOI) between both parties.
- ii. Discussions related to matching grants, collaboration in the fields of AR/VR, halal, product commercialization, establishment of Technical Chairs, training programmes, UTeM scholarship opportunities, etc.
- iii. Madina Institute as a learning centre for UHE.
- iv. Visit to the Innovation Hub.

Courtesy Visit from China Education Online and Universities from China



A courtesy visit from a delegation of the People's Republic of China, led by China Online Education and Chinese universities, along with representatives from seven Chinese higher education institutions, was held to discuss the following:

1. Student exchange programmes (academic and cultural).

2. Specific research areas: cultural heritage conservation, environmental studies, and modern agricultural practices.
3. Collaboration in organising educational exhibitions and academic seminars.

Collaborative Research Workshop Between Universiti Sumatera Utara (USU), CARE, and FTKM



In this workshop, researchers and staff from UTeM and Universitas Sumatera Utara (USU) will engage in knowledge-

sharing sessions on research conducted at their respective universities. The workshop will also provide an in-depth exploration of potential collaborations in grant applications, joint publications, and other academic endeavours, aligned with the expertise of Research Groups (RG) at the Centre for Advanced Research on Energy (CARE) and other specialised RGs.

Visit of Universitas Sebelas Maret (UNS) to the Faculty of Technology and Mechanical Engineering (FTKM)



The Faculty of Mechanical Engineering and Technology (FTKM) welcomed a delegation from Universitas Sebelas Maret (UNS),

led by the Deputy Rector for Research and Innovation, Prof. Dr. Kunchoro Diharjo, and Ir. Rochmadi. The session focused on discussions regarding opportunities for credit-bearing mobility programmes and collaborative research between both institutions. The Memorandum of Understanding (MoU) between UTeM and UNS was successfully renewed in early 2024, marking the 11th year of collaboration between the two universities. Among the ongoing joint activities are the organisation of international conferences and co-authorship of academic publications.

Visit of Universiti Teknikal Malaysia Melaka (UTeM) to Politeknik Ungku Omar (PUO)



The UTeM delegation was led by Associate Professor Ir. Ts. Dr. Mohd. Azli bin Salim, Ir. Ts. Dr. Mohd Zaid bin Akop, and Dr. Azdni bin Saad for a two-day invitation as speakers for the “Indexed Journal Article Writing Course.”

During this brief meeting, Dr. Shamsuri took the opportunity to share insights on the strategic direction of Politeknik Ungku Omar (PUO), exchange views with the UTeM delegation, and propose potential collaborations that could be implemented at PUO.

The Delegation of the Malaysia-Japan International Institute of Technology (MJIT), Universiti Teknologi Malaysia, at Universiti Teknikal Malaysia Melaka (UTeM)



The purpose of the visit is to gain a deeper understanding of UTeM, particularly FTKM, and to explore potential research collaboration opportunities. The MJIT delegation is led by Prof. Ir. Dr. Saiful Amri Mazlan from the Mechanical Precision Engineering Department.

Foreign Discovery Camp (FDC) 2024 Programme



The Faculty of Mechanical Engineering and Manufacturing (FTKM) welcomes the participation of international students from Nagoya Institute of Technology (NITech), Universitas Muhammadiyah Surakarta (UMS), Universitas Islam Indonesia (UII), Institut Teknologi Sumatera (ITERA), and Institut Teknologi Sepuluh Nopember. Participants will engage in various activities, including exploring Malaysia's diverse

cultures, visiting tourist attractions, collaborating with UTeM students, gaining exposure to SolidWorks software and 3D printing, and attending research article writing sessions.

Visit from KYS Business School (KYSB), Melaka to Universiti Teknikal Malaysia Melaka (UTeM)



The primary objective of this visit is to offer students in-depth exposure to and a comprehensive understanding of the latest developments in library services and facilities. Through this visit, students will gain valuable insights into the evolving role of libraries, the range of resources available, and the various services designed to support academic and research

endeavours. Additionally, this experience aims to enhance their familiarity with modern library technologies, digital databases, and innovative approaches to information management, ultimately enriching their academic journey.

Visit of Universiti Malaysia Sarawak (UNIMAS) to Universiti Teknikal Malaysia Melaka (UTeM)



The purpose of this visit is to gain exposure to faculty administrative affairs, observe the learning and teaching environment firsthand, and assess the available facilities.

Additionally, it aims to facilitate knowledge exchange, enabling the acquisition of new insights and the exploration of best practices in collaboration with the administrative staff of FTKM.

Global Outsourcing Talent (GOT) Programme in Collaboration with Malaysia Digital Economy Corporation (MDEC)



This collaborative programme between CREATE and MDEC is an intensive training bootcamp designed to equip participants with the necessary skills to become competitive digital freelancers. The structured programme is also expected to create employment opportunities through freelancing and the Gig Economy within the digital marketplace.

Courtesy Visit of FPTT to the Melaka State Audit Office



A courtesy visit by the Dean of the Faculty of Technology Management and Technopreneurship (FPTT) to the Wisma Audit Negeri Melaka was conducted to exchange insights on the findings of the study on Strengthening Melaka's Participation in the Domestic and International Food Industry, in alignment with the performance audit theme of food security assurance.

Official Visit from Tokyo Metropolitan University and Tokyo Metropolitan College of Industrial Technology (KOSEN), Japan



This meeting discusses the collaboration to be undertaken regarding the Student Mobility Programme between Tokyo

Metropolitan College of Industrial Technology (KOSEN), Japan, and Universiti Teknikal Malaysia Melaka (UTeM).

International Collaboration Working Visit and Community Services to Kabupaten Maro, Sulawesi, Indonesia



This programme comprises a combination of a working visit to collaborative partners from higher education institutions and the community in South Sulawesi. Among them are the Diwan Pendidikan Kabupaten Barru, IAIN Sorong, Universitas Muhammadiyah Barru, STAI Rawa Aopa, and STEBI Al-Muhsin.

This visit successfully facilitated the acquisition of several Letters of Intent (LOIs) for research collaboration.

Memorandum of Understanding (MoU) Signing Ceremony between Universiti Teknikal Malaysia Melaka (UTeM) and the Melaka State Government (Represented by JAIM)



The purpose of this Memorandum of Understanding (MoU) is to establish collaboration in various initiatives, particularly in the development of academic courses, as well as research and development (R&D) activities in relevant fields.

Incubator Journey with Universiti Sains Islam Malaysia (USIM)



The Centre for Enterprise and Technopreneurship Development (CREATE) collaborated with USIM in a programme aimed at discussing potential partnerships for the development of an incubator at UTeM. The visit was also attended by an alumni entrepreneur from Himex Sdn Bhd.

Study Visit and Working Tour by the Delegation of the Royal Malaysia Police Technical College (MTPDRM), Bakri, Muar, Johor



The purpose of this visit is to gain an in-depth understanding of current technological advancements and to enhance the competencies of participants involved in the Special Grade Motor Vehicle Technician Course/SKM Level III. The delegation, comprising 28 staff members from the police force, is led by ACP Hj. Pozlan Hj. Ibrahim.

Meet & Greet Industry PKT Logistics Group Sdn Bhd



The collaboration programme between CREATE and PKT Logistics Group Sdn Bhd aims to explore the environment and facilities provided by PKT Logistics Group Sdn Bhd for students who will be involved in the "Jom Bekerja Sambil Belajar" (JBSB) programme.

Social Entrepreneurship with People Under Care (ODS)



The collaboration program between CREATE and Dusun Dato' Murad Prison, Melaka, involves 25 ODS (Offenders with Disabilities). This social entrepreneurship program is named "Barista & Society Entrepreneurship Training with University Students (BARISTART)."

Through this program, ODS are taught about soap production using coffee grounds, which have the potential to be commercialized.

Global Community Services & Knowledge Sharing Transfer Programme IPTK-UPNVY-RICE in Collaboration with the Entrepreneurial Community of Melaka



This programme represents a strategic partnership between IPTK-RICE and UPNVY from Indonesia. Its key objectives are as follows:

1. Facilitating the transfer and exchange of knowledge, expertise, and Indonesia's experience in digital marketing management and the halal industry to the entrepreneurial community in the state of Melaka.

2. Implementing a collaborative activity between IPTK and FEB UPNV to further strengthen international cooperation.
3. Establishing partnerships in community service initiatives with an international collaborator, UPNVY.
4. Enhancing the visibility of and promoting UTeM within the local community.
5. Engaging Small and Medium Enterprises (SMEs) to reinforce ties with the Melaka State Government.

This programme is attended by 30 BTEC students from FPTT (future entrepreneurs), 15 lecturers from IPTK & RICE, and 13 lecturers from FEB, UPNVY.

Memorandum of Understanding (MoU) Signing Ceremony Between UTeM and MEP Enviro Technology Sdn. Bhd.



The Memorandum of Understanding (MoU) signing ceremony between UTeM and MEP Enviro Technology SB was witnessed by His Royal Highness the Raja Muda of Perak.

This collaboration aims to explore and develop new business models through the management of electronic waste (e-waste) and plastics, with a focus on three key aspects. First, the management of e-waste recycling activities. Second, the development of new products or business models. Third, the provision of consultancy and training to enhance knowledge and skills.

The Signing Ceremony of the Memorandum of Agreement (MoA) Between UTeM and Megatrex Plastic Industries



The Memorandum of Agreement (MoA) between UTeM and Megatrex Plastic Industries concerns the study on the formulation of electronic waste (e-waste) protocols for international trade purposes.

The ceremony was witnessed by YB Nik Nazmi bin Nik Ahmad, Minister of Natural Resources and Environment. YBhg. Datuk Prof. Ts. Dr. Massila Kamalrudin (Vice Chancellor) and YBhg. Prof. Ir. Dr. Hambali bin Ariff (Dean of the Faculty of Electrical

Engineering) represented UTeM, while Dato Lim Kah Chuan (Managing Director) and Datuk Ayub bin Rahmat (CEO of Johor) represented the industry.

The Lab to Market Workshop



The Lab to Market Workshop was successfully held over three days from December 2 to 4, 2024, at the FPTT Seminar Room, UTeM, coordinated by a team of lecturers from the Faculty of Technology Management and Technopreneurship (FPTT), led by Ms. Mariam Miri.

This workshop aimed to equip researchers with fundamental business knowledge as an initial step to prepare their innovations for commercialization. It covered comprehensive content, including key modules such as business canvas preparation, financial management, and other essential aspects crucial to the commercialization process.

