

# IndustriVersity@UM

A NEWSLETTER BY THE INNOVATION & RESEARCH COMMERCIALIZATION MANAGEMENT DEPARTMENT



UNIVERSITI  
MALAYA



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## INNOVATION & RESEARCH COMMERCIALIZATION MANAGEMENT DEPARTMENT

# JPIPP



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## JPIPP

The Innovation & Research Commercialization Management Department (JPIPP) is a department under the Office of Deputy Vice-Chancellor (Research & Innovation), Universiti Malaysia (UM), responsible for manages industry collaborations, driving innovation, protecting intellectual property, and facilitating the commercialization of research outputs.

JPIPP plays a strategic role in transforming research into real-world solutions and fostering impactful collaborations between academia and industry.

Under its management are three (3) Responsibility Centers (PTj): the UM Centre of Industry Relations (UMCIR), the UM Centre of Innovation & Enterprise (UMCIE), and the Technology Innovation Centre (Makerspace@UM). Together, these entities position JPIPP as a vital catalyst in advancing UM's research and innovation ecosystem.

## NEWSLETTER

IndustriVersity@UM is a monthly newsletter that was initially introduced by the UM Centre of Industry Relations (UMCIR) and is now coordinated under the Innovation & Research Commercialization Management Department (JPIPP) to serve as a more comprehensive and impactful communication platform.

As the official newsletter of JPIPP, IndustriVersity@UM features updates, news, and achievements related to industry engagement, research commercialization, and innovation development at Universiti Malaysia.

Through this publication, readers can stay informed about the university's latest initiatives, strategic collaborations with industry, and efforts in strengthening its innovation ecosystem—highlighting UM's commitment to creating real-world impact through research and partnerships.

## JPIPP HIGHLIGHT

UM & China State  
Construction  
Engineering (Hong  
Kong) Limited Forge  
Strategic Partnership  
with MoU Signing

Strengthens Innovation  
Ties at HKUST Unicorn  
Day 2025



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# UM & CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LIMITED FORGE STRATEGIC PARTNERSHIP WITH MOU SIGNING

From June 10th - 12th, 2025, Universiti Malaya (UM) conducted a strategic visit to Hong Kong and Zhuhai, culminating in the signing of a five-year Memorandum of Understanding (MoU) with China State Construction Engineering (Hong Kong) Limited (CSHK). The UM delegation, led by Professor Ir. Dr. Kaharudin Dimiyati, Deputy Vice-Chancellor (Research & Innovation), and Professor Ir. Dr. Tan Chou Yong, Executive Director of JPIPP, engaged in site visits, industry dialogues, and technology exchanges aimed at enhancing collaboration in research, innovation, and talent development.



In Hong Kong, the delegation toured CSHK's Exhibition Hall and visited major infrastructure projects, including the New Central Harbourfront and the West New Territories Landfill Extension Project. In Zhuhai, China, they visited several advanced facilities such as China Overseas Innovation and Technology (Zhuhai) Company (COIT), Far East Curtain Wall, and China State Construction Hailong Technology Company Limited, gaining insights into cutting-edge construction and green technologies. The MoU signing ceremony took place on 12th June at the Legislative Council Complex, witnessed by senior government officials and industry leaders.



## "Building Bridges Through Innovation and Talent."

The agreement marks a significant milestone in bridging academia and industry, offering UM students opportunities for international exposure and hands-on industry experience, while enabling CSHK to tap into UM's talent pool.

The partnership will pave the way for joint research, innovation initiatives, student development programmes, and technical exchanges—laying a strong foundation for long-term collaboration and global impact.





## STRENGTHENS INNOVATION TIES AT HKUST UNICORN DAY 2025

On 13 June 2025, the Innovation & Research Commercialization Management Department (JPIPP) of Universiti Malaya, represented by its Executive Director, Professor Ir. Dr. Tan Chou Yong, took part in HKUST Unicorn Day 2025, a flagship innovation and entrepreneurship event hosted by the Hong Kong University of Science and Technology (HKUST). The event, held at the HKUST campus in Clear Water Bay, brought together some of the most promising startups, influential investors, corporate leaders, and academic institutions from across the region. HKUST Unicorn Day serves as a dynamic platform to promote the commercialization of breakthrough technologies and strengthen the ecosystem for university-industry collaboration. Throughout the day, participants engaged in panel discussions, startup showcases, and networking sessions that highlighted the growing role of research universities in nurturing entrepreneurship and supporting high-impact innovation.

Participation in HKUST Unicorn Day 2025 underscored JPIPP's proactive role in strengthening Universiti Malaya's innovation ecosystem and reaffirmed the university's position as a key player in shaping the future of innovation in Asia. The exposure and connections gained through the event are expected to catalyze future collaborations and joint ventures that will benefit UM researchers, students, and startup partners alike.



## "Empowering Commercialization Through Global Engagement."



## UM CENTRE OF INDUSTRY RELATIONS

# UMCIR



[www.industry@um.edu.my](http://www.industry@um.edu.my)



## CORE FUNCTIONS AND SERVICES

UMCIR offers a comprehensive suite of services aimed at strengthening university-industry partnerships:

- **Connect:** Focuses on building professional and comprehensive links between external entities and university experts, ensuring seamless collaboration.
- **Engage:** Facilitates initial discussions and communication to explore potential opportunities between the university and external partners.
- **Partner:** Aims to cultivate strategic, mutually beneficial partnerships that align with the university's goals and external stakeholders' interests.

## VISION, MISSION, AND CORE VALUES

UMCIR's vision is to make Universiti Malaya a top choice for industry collaboration and innovation. Its mission is to create impactful partnerships that enhance UM's research and education, contributing to national development. Guided by core values of integrity, professionalism, innovation, and excellence, UMCIR ensures that all collaborations are ethical, effective, and aligned with the university's goals.

## UMCIR HIGHLIGHT

Forum Ilmuwan Malaysia  
Madani Siri 6

Strengthening  
Academic-Industry Ties:  
Universiti Malaya and  
Sacoor Group Sign MoA



# FORUM ILMUWAN MALAYSIA MADANI SIRI 6

On June 4th, 2025, Universiti Malaya, through the UM Centre for Industry Relations (UMCIR), participated in the Forum Ilmuwan Malaysia Madani Siri 6, held at Prasarana Tower, Kuala Lumpur. The forum served as a national platform to bring together thought leaders, academics, researchers, and industry practitioners in support of the Malaysia Madani vision, which emphasizes inclusive, sustainable, and values-driven national development.

UMCIR as a participant, engaging in high-level discussions centered around the role of academia in driving societal progress, policy development, and industrial innovation. Her participation reflected UMCIR's commitment to strengthening university-industry-community linkages and contributing to national dialogues that shape Malaysia's future direction in research, innovation, and development.

The forum also explored key themes such as the translation of research into impact, empowering communities through knowledge sharing, and aligning university efforts with national priorities. UMCIR's involvement underscored Universiti Malaya's strategic role in fostering meaningful collaboration across sectors and reaffirmed its dedication to advancing Malaysia's higher education and innovation ecosystem.

By participating in this prestigious forum, UMCIR continues to uphold its mission of enhancing engagement between academia and external stakeholders, in line with Universiti Malaya's broader vision of becoming a globally connected, locally impactful institution.



## "Empowering Nation-Building Through Knowledge and Collaboration."



# STRENGTHENING ACADEMIC-INDUSTRY TIES: UNIVERSITI MALAYA AND SACOOR GROUP SIGN MOA

On June 30th, 2025, Universiti Malaya (UM) and Gama Retail Trading Sdn. Bhd. (Sacoor Group Malaysia) signed a Memorandum of Agreement (MOA) at the Faculty of Business and Economics (FBE), Universiti Malaya, marking a new academic-industry partnership focused on student development and industry exposure. The agreement, led by FBE, includes a RM150,000 sponsorship from Sacoor Group over four years (2025–2028), supporting the Sacoor Brothers High-Achiever Award, Brand Ambassador Programme, and Faculty Recognition Initiative. It also opens doors to internships, management trainee placements, and on-campus branding activities aimed at enriching student experiences.



The MOA was signed by Prof. Dato' Seri Ir. Dr. Noor Azuan Abu Osman, Vice-Chancellor of Universiti Malaya, and Mr. Hugo Carriço, CEO-SEA of Sacoor Brothers. The signing was witnessed by Prof. Dr. Yusriza Kamarulzaman, Dean of the Faculty of Business and Economics, and Ms. Alva Ni JiaChan, SEA Business Development & Expansion Manager at Sacoor Group. This collaboration represents Universiti Malaya's continued commitment to building meaningful partnerships with industry, enriching the academic experience, and preparing students for professional success in a competitive global landscape.



## "Bridging Academia & Industry for Impactful Student Development."



## UM CENTRE OF INNOVATION AND ENTERPRISE

# UMCIE



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## CORE FUNCTIONS AND SERVICES

UMCIE is dedicated to supporting and assisting both staff and students in their entrepreneurial endeavors. It engages with industry and public stakeholders to foster collaborative efforts and drive economic growth through innovation. The center offers a comprehensive range of services, including:

- **Intellectual Property Management:** Protecting and managing UM's broad intellectual property portfolio with a focus on rapid licensing to industry.
- **Technology Commercialization:** Facilitating the commercialization of UM innovations and technologies through various channels, including licensing and spin-off companies.
- **Accelerator Programs:** Providing structured support for startups through initiatives like the UM Deep Tech (UMDT) Accelerator Programme and the Universiti Malaya Malaysian Life Science Accelerator (MyLiSA).
- **Incubation Facilities:** Offering professionally managed service incubators, such as UMXcelerate, to accelerate the commercialization of UM innovations and facilitate technology uptake by industries.

## VISION, MISSION, AND CORE VALUES

UMCIE is guided by a commitment to advancing knowledge and learning through quality research and education for the nation and humanity. Its mission is to be an internationally renowned institution of higher learning in research, innovation, and commercialization. The center upholds core values of integrity, respect, teamwork, and professionalism, ensuring a collaborative and ethical approach to innovation and enterprise.

## UMCIE HIGHLIGHT

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Fostering Global Collaboration:  
Benchmarking Visit from the University of Macau

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Highlighting Innovation & Collaboration at Cyberview Living Lab Accelerator Showcase

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PITCHLAB Ignites Entrepreneurial Spirit Among UM Students

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Break-through Energy (BE) Introductory Session

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# FOSTERING GLOBAL COLLABORATION: BENCHMARKING VISIT FROM THE UNIVERSITY OF MACAU

On June 10th, 2025, the Universiti Malaya Centre of Innovation and Enterprise (UMCIE) welcomed a delegation from the University of Macau for a benchmarking visit focused on innovation management and commercialization practices.

The visit served as a meaningful platform for exchanging insights on technology transfer models, research-to-market strategies, and institutional best practices in supporting innovation ecosystems. Discussions also highlighted shared challenges and opportunities in advancing research commercialization within the region.

Engagements like these are vital to strengthening cross-institutional collaboration and enhancing collective impact in the global innovation landscape.

UMCIE looks forward to deepening ties and exploring future collaboration opportunities with the University of Macau.



## "Innovating Together: Advancing Regional Impact Through Global Partnerships."



# HIGHLIGHTING INNOVATION & COLLABORATION AT CYBERVIEW LIVING LAB ACCELERATOR SHOWCASE

On June 12th, 2025, Dr. Lee Ching Shya, Director of the Universiti Malaya Centre of Innovation and Enterprise (UMCIE), took the stage as one of the featured speakers at the Cyberview Living Lab Accelerator Solution Showcase in Cyberjaya.

Dr. Lee contributed to a compelling Fireside Chat titled "Closing the Innovation Gap: It Takes a Village to Stay Competitive," where she emphasized the importance of cross-sector collaboration—bringing together academia, industry players, and ecosystem enablers to drive innovation that matters.

The showcase served as a valuable platform for knowledge exchange, networking, and uncovering new avenues for collaboration and commercialization within Malaysia's growing innovation ecosystem.



The session brought together influential voices from Cradle, Cyberview, and SDEC, who collectively explored strategies to strengthen Malaysia's innovation pipeline and support a thriving, competitive entrepreneurial landscape.

Adding to UM's presence at the event, our student startup, Remo, pitched and showcased their innovative solution, further exemplifying the university's role in nurturing next-generation entrepreneurs and real-world impact.



## "Fostering the Future: Innovation, Collaboration, and the Entrepreneurial Spirit."



# UMCIE AT SUPER INNOVATION PILLAR WORKSHOP: ADVANCING MALAYSIA'S INNOVATION AGENDA



On June 12th, 2025, the Universiti Malaya Centre of Innovation and Enterprise (UMCIE) took part in the SUPER Innovation Pillar Workshop, organised by MRANTI. This workshop served as a strategic platform that brought together diverse stakeholders from across Malaysia's innovation ecosystem. Participants included representatives from Technology Transfer Offices (TTOs), government agencies, government-linked companies (GLCs), and prominent industry players such as Cradle, TalentCorp, MyIPO, and CREST. The workshop aimed to co-develop strategies that would elevate the nation's innovation performance. Through a series of roundtable discussions and collaborative brainstorming sessions, participants engaged in open dialogue to address pressing challenges faced by the innovation ecosystem. These conversations focused on key areas such as increasing the generation and protection of intellectual property, improving the quality of patent filings, and supporting researchers and innovators in navigating the complex IP landscape.

In addition, the workshop emphasised the importance of encouraging start-up formation as a catalyst for commercialization and long-term economic growth. Participants also discussed ways to build the ecosystem's capacity to scale homegrown innovations both locally and globally. By sharing experiences and aligning strategic priorities, the workshop fostered a sense of collective responsibility and action among ecosystem players.

UMCIE is proud to have contributed to this important national dialogue and remains dedicated to supporting Malaysia's journey toward becoming a knowledge-driven, innovation-led economy. The centre continues to play a pivotal role in strengthening collaboration between academia, industry, and government to ensure sustainable growth and meaningful impact.

## "From Ideas to Impact: Driving Innovation Strategy Through National Collaboration."



# UMCIE WELCOMES DELEGATES FROM THE CHINA ASSOCIATION OF INVENTIONS

The Universiti Malaya Centre of Innovation and Enterprise (UMCIE) had the honour of hosting a distinguished delegation from the China Association of Inventions on June 13th, 2025.

The visit served as a meaningful platform for knowledge exchange and dialogue on innovation strategies, with discussions centered around intellectual property (IP) development, commercialization pathways, and potential collaborative initiatives between Malaysia and China.

This engagement reflects UMCIE's commitment to fostering international partnerships that amplify the global impact of university-driven innovation.

We look forward to building strategic collaborations that contribute to a stronger and more connected global innovation ecosystem.



**"From Insight to Impact: Advancing Cross-Border Innovation Partnerships."**



# PITCHLAB IGNITES ENTREPRENEU- RIAL SPIRIT AMONG UM STUDENTS

On June 14th - 15th, 2025, Universiti Malaya hosted the PITCHLAB - Ideation & Entrepreneurship Competition, an exciting two-day event jointly organized by Royal Business (RoyalBizz), Kolej Kediaman Raja Dr Nazrin Shah, and the UM Centre of Innovation and Enterprise (UMCIE). Designed to spark creativity and cultivate entrepreneurial mindsets, PITCHLAB brought together aspiring student entrepreneurs in a dynamic environment where ideas were transformed into action.

Guided by the theme "Ideas Into Action," the programme offered participants a comprehensive learning experience that included ideation workshops, mentoring sessions, and talks by seasoned entrepreneurs and industry leaders. Students were encouraged to explore real-world problems, develop innovative solutions, and translate those solutions into viable business concepts.

Throughout the event, student teams worked collaboratively to craft and refine their business ideas, culminating in a live pitching session before a distinguished panel of judges made up of industry experts and academic professionals. The competition concluded with the recognition of three standout teams: Silver Pulse emerged as the Champion, followed by Harmony Kitchen as the 1st Runner-Up, and Qtutor as the 2nd Runner-Up.

PITCHLAB continues to serve as a critical platform for nurturing entrepreneurial talent within the university, equipping students with the skills, confidence, and support to pursue impactful ventures. By fostering innovation and enterprise, the programme contributes significantly to the vibrant and growing innovation ecosystem at Universiti Malaya.



## "PITCHLAB: Building Bold Ideas into Real-World Solutions."



# UMCIE SHOWCASES INNOVATION AT UM GIVING CARNIVAL 2025

On June 18th, 2025, as part of the Office of the Deputy Vice-Chancellor (Research & Innovation), the Universiti Malaya Centre of Innovation and Enterprise (UMCIE) proudly participated in the UM Giving Carnival 2025, held at Dewan Tuanku Canselor.

During the event, UMCIE showcased a range of innovative products from UM startups and promoted cutting-edge, university-driven technologies to a wider audience. The carnival served as a vibrant platform to highlight impactful innovations, strengthen community ties, and encourage greater support for research commercialization and entrepreneurial initiatives. This initiative reflects UM's commitment to driving innovation from lab to market and creating real-world impact through collaborative engagement.



**"Together, we shape the future of innovation."**



# STRATEGIC ENGAGEMENT: UMCIE HOSTS QUEST VENTURES VISIT

On June 18th, 2025, the Universiti Malaya Centre of Innovation and Enterprise (UMCIE) had the pleasure of hosting representatives from Quest Ventures, one of Asia's leading venture capital firms renowned for its commitment to innovation and startup acceleration. The visit marked an important step toward fostering meaningful collaboration between academia and the investment community, with both parties expressing strong interest in working together to advance entrepreneurial and innovation-driven initiatives.

The meeting served as a valuable platform to explore a wide range of potential collaboration areas, particularly in technology commercialization, startup development, and scaling university-driven innovations for global impact. With Quest Ventures' extensive experience in supporting high-growth startups across the region, the discussions focused on how UM's robust research and development capabilities could be better aligned with market demands and supported through strategic investment pathways.

Key topics included bridging the gap between research and commercialization, strengthening the university's startup pipeline, and enhancing support for researchers and student entrepreneurs in navigating the innovation-to-market journey. The dialogue also touched on the importance of leveraging venture capital networks to unlock new opportunities for funding, mentorship, and international exposure.

UMCIE is optimistic about the potential synergies between Universiti Malaya and Quest Ventures and looks forward to establishing a long-term strategic partnership. Through this collaboration, both institutions aim to accelerate the journey of homegrown innovations, helping them reach global markets and contribute meaningfully to Malaysia's innovation and entrepreneurship landscape.



## "From Research to Market: UMCIE Engages with Quest Ventures for Startup Growth."



# UMCIE CONTRIBUTES TO NATIONAL IP & INNOVATION COMMERCIALIZATION POLICY REVIEW

On June 18th, 2025, the Universiti Malaya Centre of Innovation and Enterprise (UMCIE) participated in the Policy Engagement Session on the Review of the National Intellectual Property and Innovation Commercialization Policy (2021–2025), held at DoubleTree by Hilton in Putrajaya. The session was organized by the Ministry of Science, Technology and Innovation (MOSTI) as part of its ongoing efforts to strengthen Malaysia's innovation and intellectual property ecosystem.

The engagement brought together key representatives from government agencies, academia, and industry to deliberate on the future direction of policies related to intellectual property management and the commercialization of government-funded research and development. These discussions aimed to ensure that the revised policy framework remains relevant, forward-looking, and aligned with the country's aspiration to become a high-tech, innovation-led economy.

UMCIE's participation in this session highlights its active role in national policy discourse and reinforces its commitment to promoting effective technology transfer, encouraging meaningful university-industry collaboration, and ensuring that research outputs translate into tangible socio-economic benefits.

As part of Malaysia's premier research university, UMCIE remains dedicated to contributing expertise and insights that help shape a more robust, inclusive, and impactful innovation ecosystem for the nation.

## "Enabling Innovation Governance: UMCIE in Strategic Policy Engagement."







# WORKSHOP ON THE ESTABLISHMENT OF RDICE UNITS AT PUBLIC UNIVERSITIES: STRENGTHENING INNOVATION & TECHNOLOGY TRANSFER



**"Enhancing University Innovation Through Strategic Structures."**

From June 23th - 25th, 2025, a dedicated workshop was held to facilitate the establishment of Research, Development, Innovation, Commercialisation & Entrepreneurship (RDICE) Units across Malaysia's Public Universities (UA). The workshop brought together key stakeholders from Research Management Centres (RMCs) and Technology Transfer Offices (TTOs) to collaboratively design a strategic and operational framework for these newly proposed units.

The RDICE initiative aims to position universities as central engines of innovation, capable of translating research into real-world impact. The workshop served as a platform to define the roles and responsibilities of RDICE units within the university ecosystem, focusing on the integration of research management, technology transfer, and entrepreneurship development. This integrated approach is intended to streamline the research-to-market pathway and reinforce the innovation value chain within higher education institutions.

Participants also explored critical elements such as governance models, performance indicators, and the capacity-building needs required to operationalize RDICE units effectively. Emphasis was placed on aligning RDICE structures with national priorities and strengthening institutional capacity to support innovation and commercialisation at scale.

This initiative aligns with Malaysia's broader goal of developing a knowledge-based economy, with universities playing a key role in driving technological progress.



# BREAK-THROUGH ENERGY (BE) INTRODUCTORY SESSION

On 25 June 2025, the Universiti Malaya Centre of Innovation and Enterprise (UMCIE) hosted the Breakthrough Energy (BE) Introductory Session, welcoming representatives from Breakthrough Energy – a global initiative founded by Bill Gates to accelerate innovation in sustainable energy. The visit provided a valuable platform to explore potential collaborations and partnerships in the areas of clean energy, climate tech, and sustainable innovation. The BE team engaged in discussions with key stakeholders and visited several high-potential innovations and UM startups focused on green technology and commercial readiness. This session marks the beginning of a promising dialogue towards building a cleaner, more sustainable future through cross-border innovation partnerships. UMCIE looks forward to fostering impactful collaborations with Breakthrough Energy to advance climate solutions at scale.



**"Innovating for Impact: Building Climate Partnerships with Breakthrough Energy."**





**TECHNOLOGY INNOVATION CENTRE**

# MAKERSPACE@UM



[www.makerspace@um.edu.my](http://www.makerspace@um.edu.my)



## CORE FUNCTIONS AND SERVICES

Makerspace@UM offers a range of services and facilities to support the creative endeavors of its members:

- **Membership Program:** Open to individuals aged 12 and above, the membership provides access to the makerspace and its facilities during operating hours. Members can also enjoy discounted rates for workshops and events.
- **Training Courses:** The space offers various training sessions, including 3D printing and design, Internet of Things (IoT), data analytics, computer programming, and the use of microcontroller/microprocessor boards.
- **Services:** Members can utilize services such as 3D printing and laser engraving to bring their projects to life.
- **Facilities:** The makerspace is equipped with SLA and FDM 3D printers, laser engravers, microcontroller kits, robotic kits, Raspberry Pi 4, electronics work tools and components, and woodworking tools. These resources are available to members for hands-on creation and prototyping

## VISION, MISSION, AND CORE VALUES

Makerspace@UM aims to empower the community through hands-on learning and innovation. Its mission is to foster a creative and inclusive environment that encourages collaboration and the maker spirit, aligned with STEM and STEAM values. Guided by creativity, inclusivity, and experiential learning, it supports individuals in turning ideas into impactful solutions.

## MAKERSPACE@UM HIGHLIGHT

UM Giving Carnival 2025

UM UG iFest 2025:  
Celebrating Innovation  
through Final Year  
Projects

Autobotic Workshop  
with Shelter After School:  
Empowering Youth  
through Technology

S.M.K Tok Perdana Visit:  
A Hands-On Dive into  
Innovation and  
Technology





# UM GIVING CARNIVAL 2025

On June 18th, 2025, at Dewan Tunku Canselor, Universiti Malaya, the UMGiving Carnival 2025 brought together a vibrant mix of industry leaders, NGOs, private entities, and university departments in a day-long celebration of Corporate Social Responsibility (CSR) and sustainable partnerships. The event served as a dynamic platform for promoting collaborative efforts that support social innovation, community empowerment, and inclusive development.

Makerspace@UM proudly took part as an official exhibitor, highlighting its commitment to innovation with social impact. Through an engaging booth setup, the Makerspace@UM team showcased various initiatives and technologies that merge education, entrepreneurship, and digital fabrication. Live demonstrations and prototype displays attracted significant interest from NGO representatives and corporate attendees, sparking meaningful conversations around CSR collaboration, community-based innovation, and inclusive profit-sharing models. Discussions during the event centered on leveraging maker-based approaches to empower underrepresented communities, particularly through skills training, access to tools, and entrepreneurial support. Makerspace@UM's involvement underscored the vital role of university makerspaces in driving hands-on learning and fostering grassroots innovation that responds to real-world social challenges.

The carnival also provided valuable opportunities for networking and strategic idea exchange, aligning Makerspace@UM with broader sustainability goals and reinforcing its role as a catalyst for knowledge transfer and community upliftment. UMGiving 2025 ultimately reinforced the importance of synergistic partnerships between universities, industries, and communities in building a more inclusive and socially responsible innovation ecosystem.



## "Technology with Purpose: Makerspace@UM Drives Social Impact at UMGiving."



# UM UG IFEST 2025: CELEBRATING INNOVATION THROUGH FINAL YEAR PROJECTS



From June 24th - 26th, 2025, the Innovation Festival (iFest) 2025 took centre stage at Dewan Tunku Canselor, Universiti Malaya, showcasing the creativity and ingenuity of final-year undergraduate students through a competitive exhibition of capstone projects. The three-day festival brought together students, academic staff, and industry representatives in a vibrant celebration of innovation, applied research, and interdisciplinary collaboration.



Makerspace@UM participated as an active exhibitor and staunch supporter of student innovation, offering an interactive booth that demonstrated the use of modern fabrication tools, 3D design, and digital prototyping in real-world problem-solving. The booth drew significant interest from students, judges, and industry evaluators, many of whom were impressed by the centre's role in guiding students from initial concept to functional prototype. Several student projects on display had benefited directly from the support and resources of Makerspace@UM in the months leading up to the event.



In line with its outreach and educational mission, Makerspace@UM also collaborated with Autobot Sdn. Bhd. to host volunteer-led introductory robotics workshops, allowing visitors to engage with emerging technologies in an accessible and hands-on format. These workshops underscored the centre's broader commitment to promoting STEM learning and maker-based exploration among students and the wider community.

## "Fueling Future Innovators: Makerspace@UM at iFest 2025."



# AUTOBOTIC WORKSHOP WITH SHELTER AFTER SCHOOL: EMPOWERING YOUTH THROUGH TECHNOLOGY



On June 20th, 2025, Makerspace@UM, in collaboration with Autobot Sdn. Bhd., hosted a special outreach workshop for students from Shelter After School at the Technology Innovation Centre (Makerspace@UM). The session brought together 14 students and three accompanying teachers for an engaging afternoon of exploration into robotics, automation, and basic electronics.

Facilitated by dedicated volunteers and technical experts, the workshop introduced participants to the fundamentals of microcontrollers and programmable robotics kits. Through hands-on activities, students had the opportunity to build and control simple automated systems, applying logical thinking and learning essential skills such as circuit assembly and basic coding. The workshop was specifically designed to make STEM concepts accessible, interactive, and enjoyable, especially for students from underserved communities.

The initiative reflects Makerspace@UM's ongoing commitment to educational outreach, aiming to inspire young learners by providing early exposure to innovation and technology. By creating an inclusive and supportive environment, the session empowered participants to explore new possibilities and consider future pathways in STEM-related fields.

This collaborative effort also highlighted the potential of partnerships between academia, industry, and social organizations. The joint involvement of Autobot Sdn. Bhd. and Shelter After School served as a powerful example of how volunteerism and corporate social responsibility can work hand-in-hand to bridge educational gaps and foster long-term interest in technology careers.

## "Bridging Gaps Through Innovation: A Robotics Journey for Future Minds."



# S.M.K TOK PERDANA VISIT: A HANDS-ON DIVE INTO INNOVATION AND TECHNOLOGY

On June 26th, 2025, Makerspace@UM hosted an immersive educational visit for 40 students and 5 teachers from SMK Tok Perdana, Sitiawan. The visit, organized in collaboration with UMcares, aimed to provide early exposure to university-level innovation and hands-on technology, sparking curiosity and inspiration among young learners. The session was supported by 6 UMcares officers, who facilitated engagement throughout the programme. Held at the Technology Innovation Centre (Makerspace@UM), the visit offered an interactive and exploratory experience. Students were introduced to digital fabrication tools and creative technologies transforming the future of learning and problem-solving. The itinerary featured live demonstrations and guided workshops on laser cutting, laser engraving, Internet of Things (IoT) applications, and 3D design painting. Participants were not only observers but active makers—personalizing their own keychains using the laser engraver and experimenting with digital designs brought to life through tangible outputs.

The session on IoT introduced basic modules and sensors, allowing students to understand how devices can be enhanced through connectivity and automation. These activities were educational and enjoyable, blending creativity, critical thinking, and technical skill development. For many students, this was their first exposure to such technologies, and the experience helped break down barriers between school-level science and real-world innovation.

Teachers and students expressed appreciation for the exposure, noting how such initiatives broaden students' understanding of STEM fields and university life. By offering a glimpse into innovation-driven education, the visit encouraged students to envision themselves as future inventors, engineers, and technologists.

This visit demonstrated the power of university-community engagement and highlighted the role of Makerspace@UM in nurturing a generation of confident, skilled, and future-ready learners. It reinforced the importance of creating access to innovation and ensuring that all students, regardless of background, have the opportunity to explore and thrive in a rapidly evolving technological world.

**"Igniting Young Minds: A STEM Discovery Experience at Makerspace@UM."**





## NATIONAL CELEBRATION



## HAPPY INDEPENDENCE DAY

We honour the spirit of unity, resilience, and patriotism that defines our beloved Malaysia. May our diversity continue to be our greatest strength, and may we all strive to build a brighter, more inclusive, and progressive nation together.





## UNIVERSITI MALAYA

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