



Sustainability Report 2025/2026

A UNIVERSITY WHOSE SUSTAINABILITY
COMMITMENTS ARE LIVED.

CAMPUS WITH A CONSCIENCE

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FOREWORD

A Campus with a Conscience

PRESIDENT'S FOREWORD

Professor Sibrandes Poppema

President, Sunway University



At Sunway University, our commitment to the Sustainable Development Goals is not a declaration — it is a daily practice. This report documents how sustainability initiatives, delivered by faculties, schools, research centres, institutes, and shared services units throughout 2025, contributed to all 17 United Nations SDGs — each the work of researchers, educators, students, and professional staff bringing their expertise to the challenges that matter most.

2025 was a year of recognition and deepened commitment. In the THE Impact Rankings 2025, Sunway was ranked #81 globally of 2,318 universities — our strongest-ever performance — with Top 25 positions for SDG 8 and SDG 17. These are not endpoints; they signal that embedding sustainability across research, teaching, operations, and engagement generates the measurable, evidence-based impact that the world's leading benchmarks recognise.

These achievements reflect our identity as a Campus with a Conscience and our evolution as a 5th Generation Mission-Driven University. We believe that universities must do more than educate and discover; they must actively contribute to solving society's most pressing challenges. By integrating sustainability, innovation, partnership, and purpose across every aspect of university life, we seek to create knowledge that serves society, graduates who lead with values, and solutions that deliver meaningful and lasting impact.

Through the Sunway Centre for Planetary Health (SCPH) and Sunway Institute for Global Strategy and Competitiveness (IGSC), we were principal co-architects of Malaysia's National Planetary Health Action Plan — the world's first of its kind, shaped by more than 3,500 contributors. Through SDSN Asia, we co-led the Science Panel for Borneo: a 346-contributor, 2,129-page assessment of the world's third-largest island, helping to inform the future of ecosystem protection across Indonesia, Malaysia, and Brunei.

“

Sunway University is not simply a university that teaches about sustainability. It is an institution whose sustainability commitments are lived — in our research, our classrooms, our community partnerships, our campus operations, and the values we seek to instil in every graduate who leaves our doors.

Yet this report is not only about landmark policy. It is about the nursing student volunteering at Thaipusam, the engineers turning oil-palm biomass into energy storage, the student volunteers delivering water filters to Orang Asli villages, and the mathematicians embedding sustainability into every graduate's training. It is also about our long-term commitment to the Sunway Desa Mentari Community Development Programme, where the University works alongside residents, partners, staff, and students to expand educational opportunity, strengthen community wellbeing, and create pathways to a better future. Together, these examples demonstrate how a Campus with a Conscience translates values into action — connecting learning, research, service, and partnership to improve lives and strengthen communities.

As we look to 2026 and the final five years of the 2030 Agenda, we will deepen our commitment across every pillar of the I.M.P.A.C.T. framework — translating research into policy, widening access to education, health and economic opportunity, and strengthening the partnerships that multiply our impact and reach globally. Guided by our belief in Return on Values, we will continue to measure success not only by what we achieve, but by the positive difference we create for people, communities, and the planet. As a mission-driven university, we remain committed to doing well by doing good. This report is more than a record of activities; it is an account of how a Campus with a Conscience advances its mission through action, partnership, and measurable impact.

Sibrandes Poppema
Professor Sibrandes Poppema

PRESIDENT, SUNWAY UNIVERSITY

OUR APPROACH

The I.M.P.A.C.T Framework

Sunway University's sustainability architecture is guided by the I.M.P.A.C.T. Framework — a six-pillar model bringing together Institutional Leadership, Mission-Driven Research, Planetary Health, Academic Excellence and Life Long Learning In Sustainability Through AI & Technology, Community Engagement, and Transformative Global Partnerships across all four strategic areas: Leadership, Governance & Operations; Research & Innovation; Teaching & Learning; and Engagement & Partnership.

I

INSTITUTIONAL LEADERSHIP & GOVERNANCE

Embedding sustainability at the highest levels of governance — SUSEC oversight, Sustainability Strategy 2030, Net Zero Carbon 2050, 8R values framework, ESG reporting, sustainable procurement, and the SDG Monitoring Dashboard. Validated by THE Impact Rankings 2025 (#81 globally) and UI GreenMetric 2024 (#1 most sustainable private university in Malaysia).

M

MISSION-DRIVEN RESEARCH & INNOVATION

Translational, policy-shaping research — Science Panel for Borneo (346 contributors; COP29 launch); ASEAN Green Future (10-country net-zero modelling); ASEAN Ahead (APASTI 2026–2035; 693M people); Blue Economy Blueprint; ProSocial AI governance; 5,326 cumulative SDG publications (2018–2025).

P

PLANETARY HEALTH OPERATIONS & NET ZERO CAMPUS

Campus as a planetary-health and net zero living laboratory — National Planetary Health Action Plan (world's first; IGSC co-architect; 224 Action Plans; 3,500+ stakeholders); virtual-server decarbonisation (2,130 tCO₂e avoided); e-waste programme (4,766 kg diverted); Net Zero Carbon 2050 aligned with the Paris Agreement.

A

ACADEMIC EXCELLENCE AND LIFE LONG LEARNING IN SUSTAINABILITY THROUGH AI & TECHNOLOGY

Technology-enabled sustainability education at scale — mandatory SDGs eLearning (2,285 staff; 4th year); Malaysia's first Sustainability in Medicine module; SusAF Framework in engineering; Microcode unplugged computing (600+ secondary students); digitised HR systems (2,433 staff); SDG Academy digital platform.

C

COMMUNITY & PARTNERSHIP ENGAGEMENT

Campus with a Conscience in action — Desa Mentari Baseline Survey (5,000+ households); SSV Shoebox Project 10th year (192 packages); Program Titian Digital (263,201 children; 8.1M+ ICT hours; ITEX 2025 Gold); Ready, Set, Breathe (400+ participants); SME ESG Capacity Building; LEADERISE (300+ leaders).

T

TRANSFORMATIVE GLOBAL PARTNERSHIPS

Global impact through strategic alliances — host of UN-SDSN Asia Chapter and SDG Academy; SDG Accord Signatory; 301 international partners across 42 countries; THE Impact Rankings 2025 #22 SDG 17, #20 SDG 8; Friends of Future Cities (MIT, ETH Zurich, KAUST); APEC 2025 Korea Scientist Fellowship.

Sunway University creates lasting impact through **Institutional leadership**, **Mission-driven research**, **Planetary health**, **Academic excellence**, **Community engagement**, and **Transformative global partnerships** — for people, planet, and shared prosperity.

HOW THIS REPORT WAS MADE

Methodology

This report presents Sunway University's actions on the United Nations SDGs through four interconnected areas — Governance & Leadership, Teaching & Learning, Research & Innovation, and Engagement & Partnership. Covering January to December 2025, it documents a selection of key initiatives contributing to all 17 Goals, presented alongside supporting data on academic publications, research partnerships, and institutional performance.

Data, Metrics & Sources

To assess research contributions, publication data was extracted from Scopus on 20 September 2025, giving a comprehensive view of SDG-aligned output from 2018 to 2025. This enabled a detailed breakdown of:

- ▶ The number of SDG-aligned publications (2018–2025), illustrating research strengths and evolving focus across the 17 Goals.
- ▶ The citation impact of those publications, reflecting the global relevance of Sunway's sustainability research.
- ▶ Lead-author contributions, demonstrating the leadership roles taken by Sunway researchers.
- ▶ International co-authorship rates, reflecting integration into global research networks.

Supporting information was drawn from institutional reports, sustainability records, course enrolment data, community engagement records, and initiative self-submission forms.

Selection of Initiatives

Initiatives were collected through a campus-wide self-reporting process. Each submission was reviewed, refined, and rewritten for clarity, relevance, and institutional tone. Initiatives are organised by primary SDG (1–17) and, within each, by institutional category: Governance & Leadership, Teaching & Learning, Research & Innovation, Engagement & Partnership, and Community Outreach. Initiatives formerly classified as Internal Shared Services appear under Governance & Leadership, in recognition of their role in shaping institutional culture.



WHOLE-INSTITUTION APPROACH

Strategic Vision

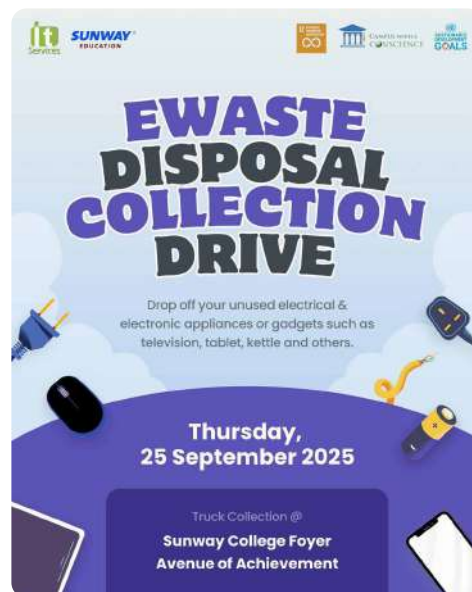
Sunway University advances sustainability through four interconnected pillars that together constitute a whole-institution approach to the Global Goals — from how the campus is run, to how students are taught, to how research is conducted and translated, to how the University engages with the world beyond its walls.

GOVERNANCE & LEADERSHIP

Embedding sustainability into every institutional decision

Sunway University embeds sustainability throughout its operations, ensuring every policy, process, and infrastructure decision reflects a lasting commitment to environmental stewardship and social responsibility. Sustainable design, responsible energy use, efficient resource management, and circular-economy thinking demonstrate that operational excellence and sustainability leadership are the same priority.

Data-driven systems enable continuous improvement across energy, water, waste, and mobility. From IT virtual server consolidation (2,130 tCO₂e avoided) to e-waste collection (4,766 kg diverted in 2025) to the campus No Idling study, every operational unit is treated as a sustainability actor — proving that sustainability is not a department, but how the institution works.

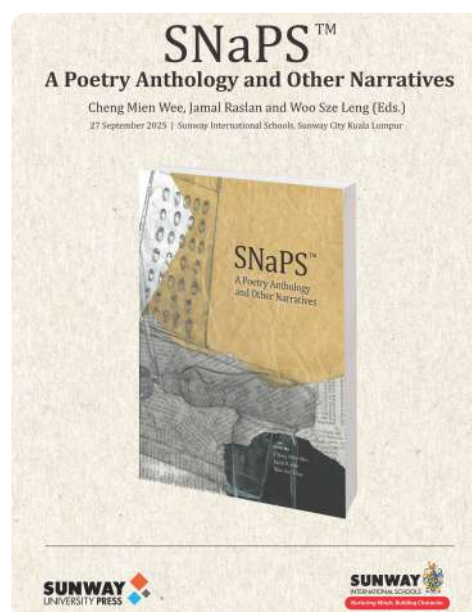


TEACHING & LEARNING

Cultivating the next generation of sustainability leaders

Sustainability is treated not as a standalone subject but as a living philosophy shaping teaching and culture across all disciplines — from engineering to medicine, mathematics to culinary arts. The S.U.S.T.A.I.N. framework provides the architecture: all students complete core sustainability courses, and in 2025 all 2,300 staff completed mandatory SDG literacy training (73% completion, 98% pass).

Malaysia's first Sustainability in Medicine module entered the MD programme, and LEADERISE delivered 10,952 hours of cross-sector leadership training to 300+ executives. Through immersive, interdisciplinary learning, Sunway's graduates leave sustainability-literate — equipped with the mindset, skills, and empathy to lead with purpose.



RESEARCH & INNOVATION

Translational research for real-world impact

Sunway University champions translational, impact-driven research that addresses real-world challenges through interdisciplinary collaboration, aligning priorities with the SDGs to strengthen communities, inform policy, and contribute to a sustainable future.

In 2025 this produced some of the most consequential outputs in the University's history: the Science Panel for Borneo launched at COP29; ASEAN Green Future's harmonised ten-country power-sector model feeding nine policy engagements; and IGSC frameworks adopted as the principal reference for APASTI 2026–2035, influencing STI policy for 693 million people. Research here is measured not by publications alone, but by what it changes.



ENGAGEMENT & PARTNERSHIP

Partnerships and community engagement for shared prosperity

Sustainability extends beyond the campus into the communities Sunway serves. Through partnerships with government, industry, civil society, and communities, the University fosters social inclusion, advances wellbeing, and catalyses impact through education, innovation, and advocacy.

In 2025 this spanned every scale — from the Echoes of the Ocean Charity Fun Run (RM7,500 for marine conservation) to the Malaysia Blue Economy Blueprint shaping the 13th Malaysia Plan, and from the SSV Shoebox Project's tenth year to Lead with Purpose reaching 120+ leaders from 50 companies. A quintuple-helix model ensures every partnership creates lasting value beyond any single project.



INDEPENDENT BENCHMARKING

Advancing Sustainability & Planetary Health with a Purpose.

Sunway University is a **5th Generation Mission-Driven University** — an institution whose research, education, and stakeholder engagement are in service of people, communities, and the planet. Our work is anchored in the **United Nations Sustainable Development Goals**, and measured by the change we help create beyond our walls.

GLOBAL STANDING, MISSION-ROOTED

We are the only private university in ASEAN represented in all three of the world's foremost university rankings — **QS World University Rankings 2026 (#410)**, **Times Higher Education World University Rankings 2025 (#301–350)**, and the Shanghai Jiao Tong Academic Ranking of World Universities 2024. A record 129-place rise in QS in a single year reflects not merely institutional growth, but the acceleration of a mission-driven agenda on the global stage.

Regionally, we rank #74 in QS Asia and #84 in THE Asia University Rankings 2025. We are Malaysia's No. 1 private university — and the only private institution in the country among the U.S. News & World Report Best Global Universities.

SUSTAINABILITY AS INSTITUTIONAL IDENTITY

Sustainability is not a programme at Sunway University. It is our *organising principle* — embedded in how we teach, research, operate, and engage with the communities around us.

The **THE Impact Rankings 2025** placed us 81st out of 2,318 universities worldwide for our SDG contributions — a measure of real-world impact across Goal areas spanning **Good Health and Well-Being (SDG 3)**, **Quality Education (SDG 4)**, **Sustainable Cities and Communities (SDG 11)**, **Climate Action (SDG 13)**, and **Partnerships for the Goals (SDG 17)**. **UI GreenMetric 2024** recognised us as **Malaysia's most sustainable private university**, affirming that our commitment to environmental stewardship extends from strategy to daily operations.

Our disciplinary strengths mirror our planetary mission. Ten subjects are now ranked globally by QS — including a landmark top-100 placement in Hospitality & Leisure Management — while THE Subject Rankings place us on the world stage in Engineering, Life Sciences, Medical & Health, and the Social Sciences: the very fields through which climate resilience, health equity, and inclusive development will be built.

GRADUATES AS SDG CHAMPIONS

A 5th Generation university is accountable for the change its graduates go on to lead. Sunway University has been ranked **Malaysia's #1 University for Graduate Employability for five consecutive years (2022–2026)**, with a **100% graduate employment rate** across all programmes in our 2024 cohort. In the AppliedHE Rankings, we are the **#1 private university in ASEAN** for student satisfaction and employability — for the second year running.

These are graduates shaped not only for career readiness, but for the deeper work of SDG delivery: equipped with the knowledge, values, and agency that planetary health demands of the next generation of leaders.

ACCOUNTABLE TO THE FUTURE

Ecological breakdown, health inequity, and social fracture do not observe institutional boundaries. Sunway University's 5th Generation model responds to this reality by aligning every dimension of university life — research, teaching, operations, and community — with the goals the world has set for itself, and the planet needs us to meet.



QS Sustainability Rankings 2025

Sunway University is ranked **#7 in Malaysia** out of 29 institutions in the QS Sustainability Rankings 2025.



Times Higher Education
Impact Rankings 2025

Times Higher Education Impact Rankings 2025

Sunway University is ranked **#81 globally** out of 2,318 universities in the THE Impact Rankings 2025 — a remarkable leap from the 201–300 band in the previous year.

- #22: SDG 17 (Partnerships for the Goals)
- #31: SDG 7 (Affordable and Clean Energy)
- #30: SDG 11 (Sustainable Cities and Communities)
- #50: SDG 6 (Clean Water and Sanitation)
- #78: SDG 12 (Responsible Consumption and Production)



UI Green Metric World University Rankings

Sunway University is ranked the **#124 Globally** in the UI GreenMetric World University Rankings 2025.

RESEARCH OUTPUT · 2018–2025

SDG Publications in Action

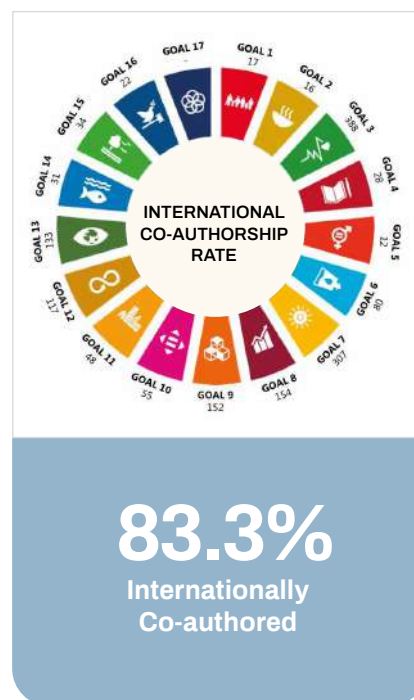
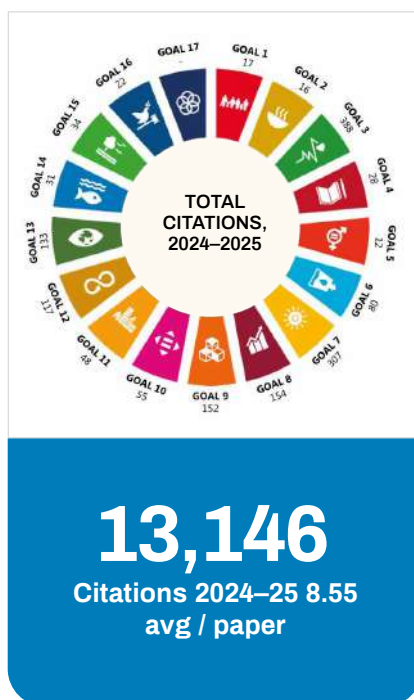
Between 2018 and 2025, Sunway University has expanded its academic and research capabilities in step with the Global Goals. New schools, programmes, research centres, and institutes have directly addressed pressing global challenges, driving sustained growth in both the volume and impact of SDG-aligned publications.

Across the eight-year period, Sunway produced a cumulative 5,326 SDG-aligned publications — a more than eight-fold rise from 175 in 2018 to 1,503 in 2024, with 1,099 recorded in the partial 2025 dataset. These were cited 13,146 times in 2024–2025, an average of 8.55 per publication, and 83.3% were internationally co-authored — evidence of deep integration into global research networks.

Research strengths are led by SDG 3 (Good Health & Well-being), the largest domain at 1,147 cumulative publications, and SDG 7 (Affordable & Clean Energy)

at 959. Strong upward trajectories in SDG 9 (628), SDG 13 (462), and SDG 8 (432) reflect a deepening commitment to innovation, climate science, and inclusive economic development, with particular acceleration in climate and urban research from 2022 onward.

The impact extends well beyond academic circles: research has informed the Desa Mentari Community Development Programme, shaped housing policy through IGSC's REHDA collaboration, fed nine ASEAN-level policy engagements, and produced the world's first National Planetary Health Action Plan. As Sunway looks beyond 2025, mission-led research will continue to drive circular-economy systems, ProSocial AI governance, blue-economy stewardship, and climate resilience for Southeast Asian ecosystems.



SCOPUS DATA

SDG Publication Data, 2018–2025

SUSTAINABLE DEVELOPMENT GOAL	'18	'19	'20	'21	'22	'23	'24	'25*	Total
 SDG 1 No Poverty	1	3	1	4	4	11	14	11	49
 SDG 2 Zero Hunger	3	3	3	4	9	14	22	21	79
 SDG 3 Zero Hunger	37	74	93	156	156	206	257	170	1,147
 SDG 4 Quality Education	6	11	20	8	19	50	55	28	197
 SDG 5 Gender Equality	1	1	-	2	3	14	17	16	54
 SDG 6 Clean Water & Sanitation	8	21	22	31	29	36	81	46	274
 SDG 7 Affordable & Clean Energy	48	35	68	72	88	192	269	187	959
 SDG 8 Decent Work & Economic Growth	5	11	18	22	31	77	155	113	432
 SDG 9 Industry, Innovation & Infrastructure	14	30	28	46	53	106	182	169	628
 SDG 10 Reduced Inequalities	4	4	5	13	13	25	39	29	132
 SDG 11 Sustainable Cities & Communities	10	9	19	21	23	28	57	43	210
 SDG 12 Responsible Consumption & Production	7	13	15	21	43	66	118	100	383
 SDG 13 Climate Action	16	14	22	32	33	72	160	113	462
 SDG 14 Life Below Water	4	5	13	13	14	19	20	10	98
 SDG 15 Life on Land	9	6	13	13	14	19	20	9	139
 SDG 16 Peace, Justice & Strong Institutions	2	2	9	11	9	13	16	21	83
 SDG 17 Partnerships for the Goals	-	-	-	-	-	-	-	-	-
TOTAL	175	242	349	469	541	948	1,503	1,099	5,326

Annual and cumulative SDG-aligned publication counts, 2018–2025. Source: Scopus, extracted 20 September 2025. 2025 data is partial. SDG 17 is represented across all SDG categories rather than mapped separately under Elsevier's SDG keyword methodology.

1 NO POVERTY



End poverty in all its forms everywhere



SDG 1 · NO POVERTY

Our Commitment to No Poverty

Financial empowerment and economic inclusion are foundational to Sunway University's social responsibility mission. Through public education, research translation, and community outreach, the university is working to ensure that economic knowledge and opportunity reach those who need them most.



LOOKING AHEAD

Sunway University will deepen its contribution to SDG 1 by expanding financial literacy programming to underserved communities, exploring digital financial education platforms, and strengthening research partnerships that generate actionable evidence on poverty reduction in urban Malaysia

GOVERNANCE & LEADERSHIP

Scholarships and Bursaries — Dismantling Financial Barriers Through the Jeffrey Cheah Foundation

JEFFREY CHEAH FOUNDATION

Sunway University's most transformative anti-poverty instrument is its scholarship and bursary ecosystem, administered in alignment with the visionary philanthropy of the Jeffrey Cheah Foundation. Providing comprehensive financial aid to high-achieving and underprivileged students from the B40 community and beyond, the programme has disbursed RM892 million in total — a figure that represents thousands of redirected life trajectories. These scholarships dismantle the financial barriers that trap families in intergenerational poverty, creating guaranteed pathways to quality education, professional employment, and a more secure future. By ensuring that academic merit and economic hardship need never be a barrier to world-class education, Sunway University operationalises its deepest commitment to leaving no one behind.

Aligned with SDG 1 (No Poverty), SDG 4 (Quality Education), SDG 8 (Decent Work & Economic Growth), and SDG 10 (Reduced Inequalities).

“

RM892 million is not a number — it is thousands of families who were given opportunities to believe their future could be different with access to education

COMMUNITY OUTREACH

Rakan Shopping and Bright Sparks — Student Volunteers Delivering Direct Relief to B40 Families

STUDENT LIFE / SUNWAY STUDENT VOLUNTEERS (SSV)

Sunway University's ethos of 'Campus with a Conscience' is made tangible through the Sunway Student Volunteers (SSV) programme, which mobilises hundreds of students each year to make a direct impact on household poverty in communities surrounding the campus. Through Rakan Shopping, volunteers provide essential grocery support to B40 families — reducing financial strain and food insecurity at the household level. Through Bright Sparks, students deliver after-school tutoring and digital-literacy mentoring to children from low-income homes, addressing the educational disadvantage that perpetuates the poverty cycle across generations. Together, these sustained community partnerships translate thousands of volunteer hours into measurable social impact — fostering civic responsibility while delivering immediate relief to those most in need.

Aligned with SDG 1 (No Poverty), SDG 4 (Quality Education), and SDG 10 (Reduced Inequalities).

“

The moment a child I tutored told me he wanted to be an engineer — having never met a university student before — cost nothing to give, and its value is incalculable.

COMMUNITY OUTREACH — CONTINUED

“About Money: From Simple Habits to Financial Freedom” Public Forum and Book Launch

SUNWAY UNIVERSITY PRESS

Sunway University Press addressed one of Malaysia’s most consequential public knowledge gaps — financial literacy — through a multi-sector public forum and book launch. The event convened experts from the Employees Provident Fund (EPF), the Financial Planning Association of Malaysia (FPAM), academia, and the media, providing a 360-degree view of debt management, strategic savings, and retirement planning.

The official launch of “Principles and Everyday Practice of Personal Financial Planning” was accompanied by a soft launch of its forthcoming Bahasa Melayu edition — a deliberate, equity-driven choice ensuring that financial empowerment reaches all Malaysians, not only English-speaking audiences.

Aligned with SDG 1 (No Poverty), SDG 8, and SDG 10, the initiative reflects a foundational equity principle: access to quality financial knowledge should not be determined by socioeconomic background or language. Financial literacy is a life skill whose absence leaves communities vulnerable to predatory lending and debt spirals.

“

A Bahasa Melayu edition deliberately planned to ensure financial empowerment reaches all Malaysians — quality financial knowledge should not be determined by socioeconomic background.

SUNWAY UNIVERSITY
A CLASS ABOVE

SUNWAY COLLEGE
of Regarded Futures

CAMPUS WITH A CONSCIENCE

ABOUT MONEY

FROM SIMPLE HABITS TO FINANCIAL FREEDOM

Date: 11 November 2025 (Tuesday)
Venue: JC2, Level 1, Sunway University
Time: 3:30pm to 5:00pm

PANELIST
Prof Yeah Kim Leng
Jeffrey Cheah Institute on Southeast Asia, President of Malaysian Economic Association

PANELIST
Puan Baiqais Yusoff
Head of Policy and Strategy, Employees Provident Fund

PANELIST
Dr Desmond Chong
Universiti Putra Malaysia, Certified Financial Planner, Registered Financial Planner

With a Special Address by
Dr Joyce Nga
Sunway Business School, Sunway University, Certified Financial Planner, Registered Financial Planner

Moderated by
Dashran Yohan
(BFM 89.9 Producer, Presenter & Journalist)

SCAN TO REGISTER

<https://bit.ly/AboutMoney2025>

PERSONAL FINANCIAL PLANNING

In conjunction with the launch of *Principles and Everyday Practice of Personal Financial Planning* by Joyce Nga and Desmond Chong

Supported by:
SUNWAY UNIVERSITY PRESS, JCI, Jeffrey Cheah Institute on Southeast Asia, FPAM, Jeffrey Cheah Foundation



2 ZERO HUNGER



End hunger, achieve food security and improved nutrition and promote sustainable agriculture



SDG 2 · ZERO HUNGER

Our Commitment to Zero Hunger

From community food distribution to frontier robotics and agricultural research, Sunway University addresses food security across its full value chain — from production to access to waste reduction. The university recognises food systems as central to climate resilience, community wellbeing, and inclusive economic development.



LOOKING AHEAD

Sunway University will scale its food systems research across the value chain — from sustainable agricultural inputs to urban food access — and deepen collaboration with industry and government to embed food security into Malaysia's sustainability development agenda.

GOVERNANCE & LEADERSHIP

Leading Sustainable Culinary Excellence — Planetary Health Alliance ‘Planet-Saving Meals’ Initiative

SCHOOL OF HOSPITALITY AND TOURISM MANAGEMENT

Sunway University demonstrates institutional leadership in sustainable food systems through globally recognised culinary expertise and purposeful programmatic commitment. Chef Soon Pau Voon's Lifetime Achievement Award from Worldchefs — the global authority in professional culinary arts — underscores the School of Hospitality and Tourism Management's deep commitment to advancing sustainable gastronomy. This accolade, combined with Sunway's active contribution to the Planetary Health Alliance's 'Planet-Saving Meals' initiative, positions the university at the forefront of sustainable culinary education and practice. By integrating planetary health principles into its operations and curriculum, Sunway champions nutritious, environmentally conscious food production that supports both human health and ecosystem preservation — demonstrating that operational excellence in culinary arts and sustainability leadership are one and the same.

Aligned with SDG 2 (Zero Hunger), SDG 3 (Good Health & Well-being), SDG 12 (Responsible Consumption & Production), and SDG 13 (Climate Action).

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When we cook with planetary health in mind, we are not compromising on quality — we are raising the standard for what quality means.

RESEARCH & INNOVATION

Autonomous Oil Palm Harvesting Robot

FACULTY OF ENGINEERING AND TECHNOLOGY

The Faculty of Engineering and Technology (FET) is contributing to the development of an autonomous oil palm harvesting robot in international collaboration with National Yunlin University of Science and Technology (YunTech), Taiwan. FET's contribution centres on the 3D structural design and physical fabrication of the robot body — addressing one of Malaysia's most strategically significant yet labour-challenged agricultural industries.

Oil palm harvesting is physically hazardous, and rising labour shortages are threatening sector productivity. Autonomous harvesting technology directly addresses these pressures — reducing worker injury risk while creating new demand for skilled technical roles in robotics, calibration, and digital systems management.

Planned outputs include a Scopus-indexed publication, a working prototype, and a public knowledge-sharing workshop. Aligned with SDG 2, SDG 8, SDG 9, SDG 12, and SDG 13, this reflects FET's commitment to engineering research that delivers real-world impact: safer, more efficient, and more sustainable food production.

“

A working autonomous oil palm harvesting robot in development with YunTech Taiwan — reducing injury risk for workers while creating new skilled roles in robotics and digital systems.



RESEARCH & INNOVATION — CONTINUED

AI-Powered Poultry Disease Detection — Securing Food Systems Through Machine Learning

FACULTY OF ENGINEERING AND TECHNOLOGY

Sunway University is advancing global food security through innovative research that protects poultry health and stabilises protein food supplies. The development of a hybrid chromaticity-morphological machine learning classifier represents a significant breakthrough in early disease detection — capable of identifying Newcastle disease and other infections in poultry at their earliest stages, before outbreaks spread. This AI-driven system analyses subtle changes in comb colour and bird morphology to provide real-time health assessments, enabling farmers to act early. By safeguarding livestock health, this research directly supports sustainable food production, reduces economic losses for smallholder farmers, and helps maintain stable protein supplies for communities. The technology demonstrates how cutting-edge computational research can translate into practical solutions for strengthening agricultural resilience against disease threats.

Aligned with SDG 2 (Zero Hunger), SDG 9 (Industry, Innovation & Infrastructure), and SDG 3 (Good Health & Well-being).

“

What we are building is not just a disease classifier — it is an early warning system for food security that reaches the farmers who need it most.

TEACHING & LEARNING

Micro-Credential in Sustainable Agriculture and Food Systems — Mainstreaming Food Security Education

SCHOOL OF HOSPITALITY AND TOURISM MANAGEMENT

Sunway University operationalises its commitment to food security by integrating sustainable agriculture into its lifelong learning ecosystem through a dedicated micro-credential programme. The Sustainable Agriculture and Food Systems micro-credential extends the university's educational impact beyond traditional students to working professionals, agricultural practitioners, and community members seeking to build capability in this critical area. The programme equips learners with practical skills in sustainable food production, resilient farming practices, and efficient resource management — making this knowledge accessible outside the traditional degree pathway. By building broad-based community capacity to transform local food systems, reduce waste, and enhance nutrition security, Sunway demonstrates how flexible education creates tangible pathways toward food sovereignty for all.

Aligned with SDG 2 (Zero Hunger), SDG 4 (Quality Education), SDG 12 (Responsible Consumption & Production), and SDG 8 (Decent Work & Economic Growth).

“

Within one growing season of applying what I learned, my input costs dropped and my yields improved — sustainable agriculture is not an ideal, it is a better way to farm.

COMMUNITY OUTREACH

Bubur Lambuk Cooking and Distribution

SCHOOL OF HOSPITALITY AND TOURISM MANAGEMENT

During Ramadan 2025, the School of Hospitality and Tourism Management (SHTM) mobilised five academic staff and approximately 20 student volunteers to prepare and distribute 500 servings of bubur lambuk — Malaysia's beloved traditional Ramadan porridge — to communities across Subang Jaya as part of Sunway University's #CampusWithAConscience programme. Beneficiary locations included Masjid Al-Irsyad, Surau Al-Muhajirin, Surau Shafiee, Angsana, Meranti, Goodyear Court 2, and Surau Al-Hijrah.

Supported by Y.B. Puan Michelle Ng Mei Sze, Professor Dato' Elizabeth Lee, and rice sponsor Jasmine Food Corporation Sdn Bhd, the initiative demonstrated the value of multi-sector collaboration in community welfare.

Aligned with SDG 2 (Zero Hunger), SDG 10, and SDG 11, the initiative addressed immediate food needs while cultivating values of compassion, cultural appreciation, and civic responsibility. For the students involved, it reinforced that professional excellence in hospitality is inseparable from a commitment to serving communities with care and dignity

“

500 servings of bubur lambuk distributed across seven Subang Jaya locations during Ramadan 2025 — community welfare delivered by students as a professional act of care.



3 GOOD HEALTH AND WELL-BEING



Ensure healthy lives and promote well-being for all at all ages



SDG 3 · GOOD HEALTH & WELL-BEING

Our Commitment to Good Health & Well-being

Health and wellbeing are not peripheral concerns for a university — they are foundational to students' capacity to learn, communities' capacity to thrive, and a nation's capacity to prosper. Sunway University embeds health promotion, disease prevention, mental health advocacy, and clinical education across its research, teaching, and community engagement programmes.



LOOKING AHEAD

Sunway University will strengthen its health impact through expanded community health screening partnerships, deeper integration of planetary health into clinical and nursing education, and sustained research into campus food environments as interventions for national non-communicable disease prevention

GOVERNANCE & LEADERSHIP

No Idling Campaign

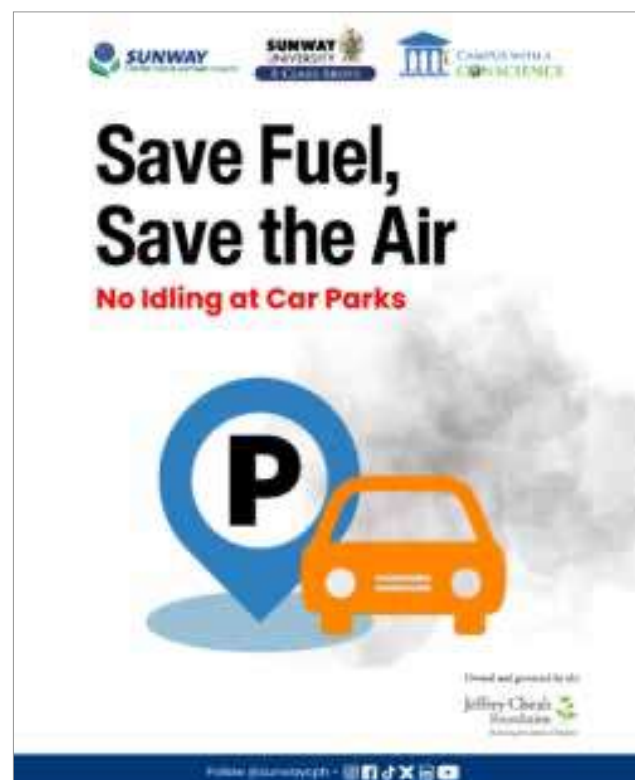
SUNWAY CENTRE FOR PLANETARY HEALTH

The Sunway Centre for Planetary Health (SCPH) launched a two-month campus-wide behaviour change campaign targeting vehicle engine idling in campus car parks — a commonly overlooked source of harmful air pollutants. Through posters, a campus-wide awareness video, and social media outreach, the campaign communicated a simple, actionable message: switch off your engine when parked.

Designed as a pilot study with scientific rigour — baseline data gathered, intervention implemented, Phase 2 planned for 2026 to investigate root causes and generate evidence-based recommendations for campus air quality improvements — the campaign aligned with SDG 3, SDG 11, and SDG 13. It demonstrates that meaningful environmental progress often begins with many individuals making different everyday choices.

“

A two-month campus campaign targeting vehicle engine idling — behaviour change built on scientific rigour, with Phase 2 evidence-based recommendations planned for 2026.



TEACHING & LEARNING

Mental Health Exhibition

FACULTY OF MEDICAL AND LIFE SCIENCES

Psychology students from the Faculty of Medical and Life Sciences (FMLS) organised an interactive Mental Health Exhibition transforming academic knowledge about psychological disorders into a public education experience for the entire university community. More than ten student groups designed individual booths on distinct mental health conditions — offering evidence-based information through games, discussions, and creative activities.

Aligned with SDG 3 (Good Health & Well-being) and SDG 4 (Quality Education), the exhibition created conditions for open, destigmatised conversation — a critical public health outcome in environments where help-seeking is often inhibited by shame. Participants became communicators, educators, and advocates in the same moment.

“

10+ student-designed booths on distinct mental health conditions — turning academic knowledge into open, destigmatised public conversation across the university community.



TEACHING & LEARNING — CONTINUED

Colours of Inclusion Exhibition

FACULTY OF MEDICAL AND LIFE SCIENCES

Now in its fifth consecutive year, the Colours of Inclusion Exhibition — organised by Year 3 Psychology students in collaboration with Art students — is one of Sunway University's most enduring student-led inclusion initiatives. The exhibition features interactive booths addressing learning disabilities and sensory impairments including autism, ADHD, speech disorders, deafness, and visual impairment — inviting visitors to understand these conditions firsthand.

Five consecutive years of delivery speaks to institutional commitment and genuine student ownership. Aligned with SDG 3, SDG 4, and SDG 10, the cross-disciplinary collaboration between Psychology and Art students builds empathy and inclusion literacy that ripples into graduates' future workplaces, families, and communities.

“

Five consecutive years of the Colours of Inclusion Exhibition — student-led, interactive, and evidence-based: inclusion begins with understanding, and understanding begins with lived experience.



ENGAGEMENT & PARTNERSHIP

Nursing Care and Best Practice for Patients with an Implanted Safety VAD

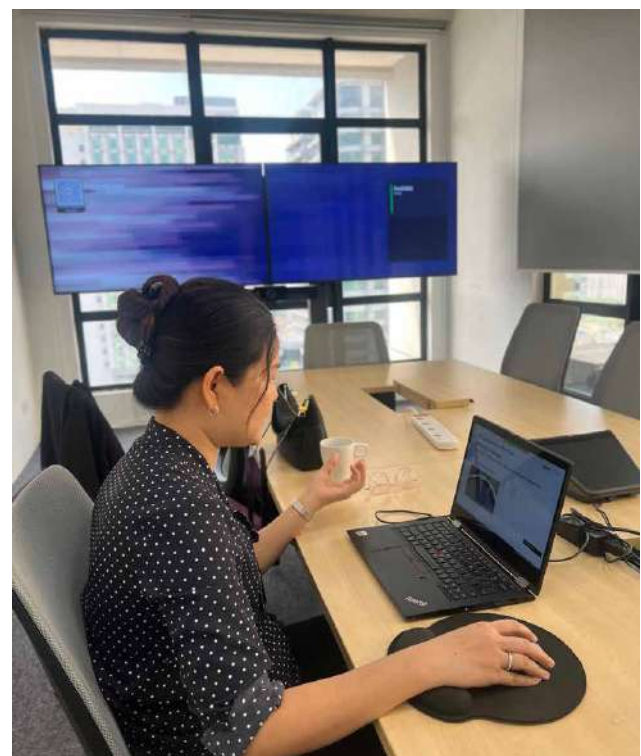
FACULTY OF MEDICAL AND LIFE SCIENCES

The Faculty of Medical and Life Sciences (FMLS) extended its clinical expertise internationally when Ms. Ho Sweet Lee was invited by the Indonesian Society for Vascular and Endovascular Surgery (PESBEVI) as a distinguished international speaker on nursing care for patients with implanted vascular access devices (VADs). The webinar delivered evidence-based guidance on safe implanted port management for adult and paediatric chemotherapy patients to nurses, doctors, and allied health professionals across Indonesia.

Aligned with SDG 3, SDG 4, and SDG 17, the initiative exemplifies how individual expertise, shared openly across borders, can improve patient outcomes at scale. Safe VAD management directly reduces complications and improves quality of life for cancer patients.

“

Expert ventricular assist device nursing knowledge shared across Indonesia — safe VAD management reducing complications and mortality for patients who would otherwise be unreachable.



ENGAGEMENT & PARTNERSHIP — CONTINUED

Cultural Sensitivity in Oncology Care — Addressing Diverse Patient Needs with Empathy

FACULTY OF MEDICAL AND LIFE SCIENCES

The Faculty of Medical and Life Sciences (FMLS) contributed to the 36th Annual Scientific Congress of the Malaysian Oncological Society (ASCOMOS 2025) through a faculty speaker session by Ms. Ho Sweet Lee, addressing cultural, emotional, and psychosocial factors in oncology care and their direct influence on treatment adherence, therapeutic relationships, and patient outcomes.

Malaysia's multicultural landscape makes cultural sensitivity a clinical necessity. Aligned with SDG 3, SDG 10, SDG 4, and SDG 17, the session elevated this competency at a national oncology congress — contributing to a professional shift toward more equitable, patient-centred cancer care for all Malaysians.

“

Cultural sensitivity training for oncology nurses — ensuring that patient communication, pain management, and end-of-life care decisions are shaped by cultural understanding, not assumption.



ENGAGEMENT & PARTNERSHIP — CONTINUED

Educational Visit to the National Cancer Society of Malaysia (NCSM)**FACULTY OF MEDICAL AND LIFE SCIENCES**

Post Basic Oncology Nursing students from the Faculty of Medical and Life Sciences (FMLS) visited the National Cancer Society of Malaysia (NCSM) to broaden their understanding of community-based cancer care beyond the clinical setting. Students experienced the full landscape of cancer support: patient screening services, psychological counselling, patient advocacy, and the Home of Hope for paediatric cancer patients and families.

Aligned with SDG 3, SDG 4, SDG 10, and SDG 17, the visit addressed a known gap in clinical nursing education: the tendency to focus on the hospital episode while underweighting the psychosocial context in which patients live their illness.

“

Nursing students inside the National Cancer Society Malaysia — turning classroom learning into firsthand witness of cancer care coordination and community health advocacy in action.



COMMUNITY OUTREACH — CONTINUED

“Investing in Happiness” Book Launch and Public Forum

SUNWAY UNIVERSITY PRESS

In conjunction with the UN International Day of Happiness, Sunway University Press organised a public forum and book launch bridging academic psychological research and community wellbeing. The event launched “Happiness: Mastering the 5Gs for an Enhanced You” — an evidence-based psychological framework for cultivating sustained wellbeing — engaging mental health advocates, academics, students, and the general public simultaneously.

Aligned with SDG 3 (Good Health & Well-being) and SDG 4, the forum normalised conversations about emotional health and provided science-based tools accessible beyond the clinic or classroom. By creating this platform on the UN International Day of Happiness, Sunway University demonstrated that mental health is a legitimate area of institutional responsibility.

“

A public forum on happiness economics and wellbeing — Sunway University Press creating open intellectual spaces for learning that extend far beyond formal teaching.



COMMUNITY OUTREACH — CONTINUED

“How to Slow Down and Live Better in a Hurried World” Public Lecture

SUNWAY UNIVERSITY PRESS

Sunway University Press organised a public forum addressing the psychological and relational costs of a culture obsessed with speed and productivity. Held alongside the launch of “The Tyranny of Speed,” the session drew on academic research, clinical counselling, and media perspectives to make the evidence-based case for slow living as a mental health strategy.

A live guided meditation session moved the conversation from theory to practice, giving participants immediate tools for reclaiming mental clarity. Aligned with SDG 3 and SDG 12, the forum recognised that sustainable living includes the sustainable management of human attention and energy — an act of institutional care in a high-pressure academic environment.

“

A public lecture on slowing down in a hurried world — the university as a space for open, reflective community dialogue on mental pace and modern professional life.

SUNWAY UNIVERSITY
A CLASS ABOVE

SUNWAY UNIVERSITY PRESS

Book Launch & Conversation
How to Slow Down and Live Better in a Hurried World

THE TYRANNY OF SPEED
How to reclaim your time in a hurried world
Sandy Clarke & Eugene Tee

Authors:
SANDY CLARKE
Licensed Professional Counsellor
Sunway University, Columnist (The Star)
PROF. EUGENE TEE
VIA-MBSP Certified Practitioner
RDEE Certified Coach & Facilitator
Professor (PSU) University

Moderator:
DASHRAN YOHAN
Producer, Presenter & Journalist (BPM 89-9)

In collaboration with
POPULAR

8 OCT 2025 Wednesday | The Gallery, Level 1, Sunway University | 4:00pm - 5:30pm

[REGISTER NOW](#)



COMMUNITY OUTREACH — CONTINUED

“Jobs, Stress and Everything in Between” Public Lecture

SUNWAY UNIVERSITY PRESS

Sunway University Press convened a cross-disciplinary public forum on work and psychological health, featuring Professor Alvin Ng (Professor of Psychology) and Mr. Jason Soh (career development specialist). The session translated clinical psychology and career development research into accessible, actionable frameworks for students, graduates, and working professionals.

Aligned with SDG 3 (Good Health & Well-being) and SDG 8, the dual-lens format established that worker wellbeing and economic productivity are complementary, not competing goals. Graduates equipped with concrete tools for managing stress are better prepared for sustainable, fulfilling careers.

“

Jobs, stress, and mental health brought into open conversation — a public lecture affirming that wellbeing in work contexts is a legitimate subject of scholarly and civic inquiry.



COMMUNITY OUTREACH — CONTINUED

Student Future Nurses Club: Thaipusam Volunteer Medical Services at Batu Caves**FACULTY OF MEDICAL AND LIFE SCIENCES**

The Student Future Nurses Club of the Faculty of Medical and Life Sciences (FMLS) maintained its annual tradition of partnering with the Malaysian Red Crescent to provide volunteer medical services during Thaipusam at Batu Caves — one of Malaysia's largest religious events. Nursing students delivered first aid, managed heat-related conditions, provided hydration support, and assisted with crowd management for thousands of participants.

Aligned with SDG 3 (Good Health & Well-being) and SDG 4, the initiative creates genuine reciprocity: the community receives skilled medical volunteers; students gain irreplaceable clinical experience in triage, patient assessment, and emergency decision-making. This annual tradition reflects the conviction that healthcare excellence and community responsibility are inseparable vocational values.

“

Future nurses volunteering medical services to thousands of Thaipusam pilgrims at Batu Caves — community-oriented health advocacy as a foundational dimension of nursing education.



COMMUNITY OUTREACH — CONTINUED

Kidney Health Awareness Campaign in Collaboration with NKF**FACULTY OF MEDICAL AND LIFE SCIENCES**

Post Basic Renal Nursing students from the Faculty of Medical and Life Sciences (FMLS), in partnership with the National Kidney Foundation (NKF), organised a free community health screening and awareness event addressing kidney disease and non-communicable diseases. Five systematic screening stations — blood pressure, BMI, urine testing, blood glucose, and optional cholesterol testing — provided participants with personalised health data and evidence-based lifestyle counselling.

Aligned with SDG 3 (Good Health & Well-being) and SDG 4, the initiative addressed Malaysia's high and rising prevalence of chronic kidney disease, hypertension, and diabetes — conditions largely preventable through early detection. For nursing students, the event provided high-quality clinical experience applying assessment and patient communication skills in an authentic setting.

“

Campus and community engagement on kidney health in partnership with the National Kidney Foundation — prevention delivered where people live, work, and study.



COMMUNITY OUTREACH — CONTINUED

Breast Cancer Awareness and Blood Donation Drive**FACULTY OF MEDICAL AND LIFE SCIENCES**

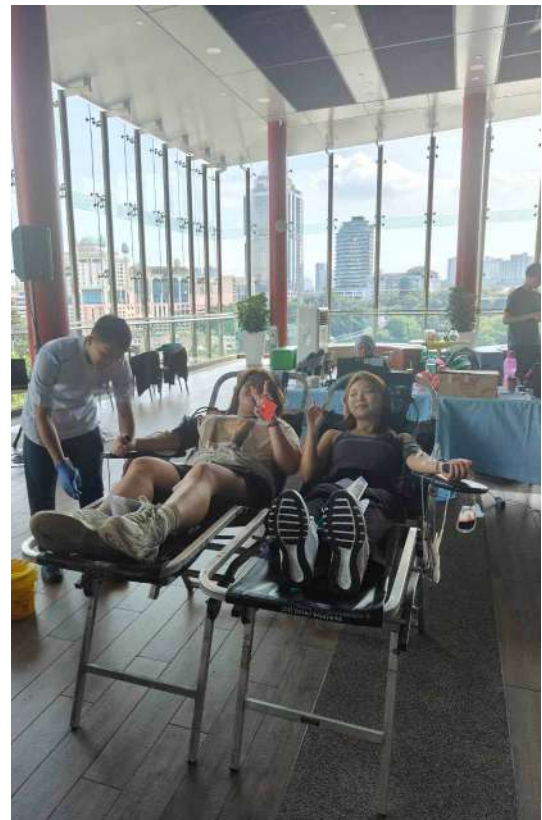
Post Basic Oncology Nursing students from the Faculty of Medical and Life Sciences (FMLS), in collaboration with BCWA and the National Blood Bank, organised a campus-wide health event integrating education, screening, and direct action.

Outcomes: 130 participants engaged; 26 packs of blood donated to the national blood supply; 40 participants registered for breast examination sessions; and one participant received a referral following identification of an abnormal breast finding — a potentially life-altering early intervention.

Aligned with SDG 3, SDG 4, SDG 10, and SDG 17, this initiative demonstrates community health promotion at its most impactful: awareness, education, and clinical action delivered together in a setting communities will actually attend.

“

130 participants engaged, 26 packs of blood collected, and abnormal breast findings identified and referred — community health promotion at its most impactful, delivered on campus.



COMMUNITY OUTREACH — CONTINUED

Ready, Set, Breathe 2025**FACULTY OF MEDICAL AND LIFE SCIENCES**

The Faculty of Medical and Life Sciences (FMLS), in annual partnership with Lung Cancer Network Malaysia, delivered Ready, Set, Breathe 2025 — an integrated community health initiative combining public engagement, preventive education, and on-site clinical screening. Lung cancer is among Malaysia's leading causes of cancer mortality, yet early detection rates remain critically low.

The 2025 event reached more than 400 participants through a community fun run and awareness activities. On-site mobile X-ray services provided lung cancer screening, with approximately 15% of those screened showing abnormal findings and referred for further evaluation. In lung cancer, early-stage diagnosis can increase five-year survival rates from single digits to over 50%.

Aligned with SDG 3, SDG 17, and SDG 4, Ready, Set, Breathe demonstrates the power of academia-NGO-healthcare partnership to convert awareness into action that saves lives.

“

400+ community participants reached; ~15% identified with abnormal lung findings, all referred for clinical follow-up — Ready, Set, Breathe 2025: early detection as a life-saving act.

READY SET BREATHE!

2025 11/23
6:00 - 10:30 A.M.

LUNG CANCER AWARENESS CHARITY RUN
5 KM IN SUNWAY CITY

EARLY BIRD (UNTIL 11 NOV)
RM45

NORMAL RATE (12 NOV ONWARDS)
RM55

LUNG CANCER NETWORK MALAYSIA
REGISTER NOW!

Organized by: Faculty of Medical & Life Sciences

Gold Sponsors: SUNWAY MEDICAL CENTRE, Yakult, pharm-d, Redoxon, RYU MEDICAL, Roche

Diamond Sponsors: GENE SOLUTIONS, SUNWAY UNIVERSITY, CAMPUS WITH A CONSCIENCE, Jeffrey Cheah Foundation

4 QUALITY EDUCATION



Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all



SDG 4 · QUALITY EDUCATION

Our Commitment to Quality Education

Education is Sunway University's core mission — and its most powerful sustainability tool. From refugee communities to indigenous children to senior corporate executives, the university's educational reach spans demographics, disciplines, and geographies. Every initiative in this category is an expression of the conviction that education is a right, not a privilege.



LOOKING AHEAD

Sunway University will expand its educational reach through scaled community tutoring programmes, enhanced sustainability integration across all academic faculties, and deepened partnerships with schools, government agencies, and NGOs to ensure equitable access to quality learning for all segments of Malaysian society.

COMMUNITY OUTREACH

Annual Staff SDG Education Course

HUMAN RESOURCES DEPARTMENT & SDSN ASIA

For the fourth consecutive year, Sunway University's HR department partnered with SDSN Asia's SDG Academy to deliver mandatory SDG literacy training to all 2,300 faculty and staff across the Sunway Education Group. The 2025 programme included 'SDGs 101' for new staff and a thematic module on 'Inclusivity and Sustainability' — reflecting Malaysia's 2025 ASEAN Chairmanship theme.

Outcomes: 73% of all staff completed the course; 98% of completers received a passing grade. Staff reflections revealed genuine behavioural shifts — walking instead of driving, reducing paper use, and more nuanced understanding of social inclusion.

Aligned with SDG 4 (Quality Education) and SDG 17, the programme embeds sustainability literacy as a non-negotiable institutional competency, with course completion linked to performance management.

“

73% staff completion, 98% pass rate — the Annual SDG eLearning Course embeds sustainability literacy as a non-negotiable institutional competency linked to performance management.

SUNWAY EDUCATION **CAMPUS WITH A CONSCIENCE**

Sustainable Development Goals Education Course 2025

Learn about what Sustainable Development is, why it is the most important global movement of our time, and your roles in helping to make our world a better place to live!

- Is a self-paced online course
- Requires approximately 1 hour per module to complete
- Consists of 2 modules: SDGs 101 (for new staff) and SDGs 2025 (for all staff)

For New Staff Only (Those joined since Jan 2025)

SDGs 101: Introducing Sustainable Development

Learn about the SDGs as a framework, how different SDG issues connect with each other, and how your work here at Sunway can support the achievement of sustainable development at home, on campus, in Malaysia and beyond.

For All Staff (Both new and existing)

SDGs 2025: Leaving No One Behind: Diversity and Inclusion for a Better Future

Highlights the importance of diversity and inclusion in achieving the Sustainable Development Goals. Focusing on Malaysia's rich multicultural context, it empowers you to foster inclusive environments where everyone feels valued, respected, and able to contribute to shared progress.

<https://elearn.sunway.edu.my> hrtraining@sunway.edu.my

GOVERNANCE & LEADERSHIP — CONTINUED

Planetary Health Integration Short Course

SUNWAY CENTRE FOR PLANETARY HEALTH

The Sunway Centre for Planetary Health (SCPH), in collaboration with the Ministry of Higher Education Malaysia, delivered a Planetary Health Integration Short Course bringing together 250 professionals from public and private higher education institutions across Malaysia. The programme explored practical integration of planetary health principles into institutional policy, programmes, and campus operations.

A formal outcome report captured institutional priorities and action points. Institution-tailored follow-up programmes are planned for 2026.

Aligned with SDG 4, SDG 13, and SDG 17, the programme creates a multiplier effect: 250 institutional leaders, returning to their universities with deepened understanding, have the potential to influence thousands of students and staff in the years ahead.



250 higher education professionals from across Malaysia trained in planetary health — a multiplier effect with the potential to influence thousands of students and staff.

PLANETARY HEALTH INTEGRATION SHORT COURSE FOR MALAYSIAN HIGHER EDUCATION 2025

EPF Learning Campus, Kajang, Selangor

22 - 24 October 2025
9:00 AM - 5:30 PM

RM1820 per pax
(inclusive of taxes)

Who can join?
• 250 Government and 50 Private Institutions and Universities of higher learning

Driving Integration
Accelerating change requires cross-disciplinary, action-based learning. This short course will bring higher education leaders together to embed planetary health into academic systems.

Systems Thinking
Explore the interactions between natural and human systems to identify leverage points for sustainable change.

Objectives:

- 1. Interdisciplinary Understanding**
Develop a comprehensive understanding of planetary health as an interdisciplinary approach connecting human health and well-being with other systems.
- 2. Curriculum Integration**
Create actionable strategies for embedding planetary health principles across academic disciplines.
- 3. Academic Collaboration**
Foster collaborative networks among Malaysian universities to advance planetary health education in the nation and region.

@sunwaycph



TEACHING & LEARNING

Immersion 2025

SCHOOL OF AMERICAN EDUCATION

The School of American Education (SAE) organised Immersion 2025 — a university exposure programme welcoming approximately 230 students and 50 teachers from four secondary schools. The programme provided direct, immersive encounters with university learning environments, collaborative academic activities, and campus life — removing the psychological distance that makes higher education feel inaccessible to many secondary students.

Teachers attended a dedicated professional development workshop, strengthening their capacity to guide students toward tertiary education pathways. Aligned with SDG 4 (Quality Education) and SDG 10 (Reduced Inequalities), Immersion 2025 represents a scalable, annually replicable model for equitable higher education outreach.

“

230 students and 50 teachers brought to campus for Immersion 2025 — a scalable, annually replicable model for equitable higher education outreach.



TEACHING & LEARNING — CONTINUED

LEADERISE Framework — Leadership Development for Public and Private Sector Executives

ASIAN STRATEGY & LEADERSHIP INSTITUTE (ASLI)

The Asian Strategy & Leadership Institute (ASLI) delivered LEADERISE — Malaysia's premier cross-sector executive leadership programme — throughout 2025. Drawing on the collective expertise of Sunway University, Sunway Group, and ASLI's policy network, LEADERISE equips senior managers, directors, and C-suite leaders from government agencies, GLCs, and major corporations.

In 2025 alone, LEADERISE trained more than 300 senior leaders, delivering 10,952 hours of structured training through 20 strategic partners. The programme consistently convenes leaders from sectors that rarely share a room — creating cross-sector communities of practice that endure well beyond formal training.

Aligned with SDG 4, SDG 8, SDG 16, and SDG 17, LEADERISE is a material investment in Malaysia's long-term governance capacity and economic resilience

“

LEADERISE equips public and private sector executives with governance and leadership competencies — a material investment in Malaysia's long-term economic resilience.

LEADERISE

12+
Programmes Delivered
Leadership and Development programmes delivered in 2025

300+
Leaders Trained
Public, corporate and youth leaders trained across programmes

8+
Institutional Partners
Organisations collaborating on leadership delivery

Ecosystem Partners

SUNWAY UNIVERSITY **SUNWAY BUSINESS SCHOOL** **42 KUALA LUMPUR** **Sustainable Development Solutions Network**

Clients & Collaborators

SUNWAY **ROYAL SELANGOR** **PNB** **HongLeong Group** **ICDM** **JCORP** **Malaysian School of Government**

TEACHING & LEARNING — CONTINUED

Planetary Health and Sustainability in the Tropics (Short Course)**FACULTY OF MEDICAL AND LIFE SCIENCES**

The Faculty of Medical and Life Sciences (FMLS) delivered the Planetary Health and Sustainability in the Tropics short course — an interdisciplinary programme exploring the connections between healthy ecosystems and human health in tropical regions.

Enrolment grew rapidly: the inaugural cohort attracted 4 international students; by the second cohort, that figure rose to 17 participants — including 16 international students. This growth reflects Sunway University's emerging reputation as a destination for planetary health education in tropical contexts.

Aligned with SDG 13, SDG 15, SDG 3, SDG 4, and SDG 11, the course prepares graduates to become effective advocates at the intersection of environmental and human health

“

Planetary Health and Sustainability in the Tropics: preparing graduates to advocate at the intersection of environmental and human health in a rapidly changing world.



TEACHING & LEARNING — CONTINUED

School Recycling Initiative: Knowledge Transfer with AMITA Corporation**SUNWAY BUSINESS SCHOOL**

Sunway Business School (SBS), in partnership with AMITA Corporation and Fairview International School, transitioned a waste segregation programme from a researcher-led to a student-led model — placing students at the centre of execution and monitoring. A student patrolling committee was established, visual waste-segregation guides introduced, and strategic reviews conducted with cross-sector stakeholders.

Operational challenges — contamination, declining participation — were treated as data, generating valuable insights into the real difficulties of sustaining community-based sustainability behaviour over time.

Aligned with SDG 12, SDG 4, SDG 11, and SDG 17, the initiative demonstrates that meaningful waste management change requires sustained engagement, education, and strong partnerships — not one-time interventions.

“

School recycling programme treating failure as data — generating insights into the real difficulties of sustaining community-based sustainability behaviour over time.

TEACHING & LEARNING — CONTINUED

Sustainability in Medicine: Shaping Future Doctors for Sustainable Healthcare

FACULTY OF MEDICAL AND LIFE SCIENCES

The Faculty of Medical and Life Sciences (FMLS) introduced Malaysia's first "Sustainability in Medicine" module into its Doctor of Medicine (MD) programme. The inaugural cohort of 30 students used a Design Thinking methodology to identify real healthcare sustainability challenges and propose evidence-informed solutions.

Pre- and post-intervention assessments demonstrated measurable improvements in sustainability awareness, attitudes, and practice intentions. Student proposals addressed healthcare waste, energy use, patient waiting times, and sustainable clinical practices.

Aligned with SDG 4, SDG 3, and SDG 13, this national milestone recognises that healthcare systems — which account for 4–5% of global carbon emissions — will only decarbonise if the doctors who run them are trained to think sustainably from day one.

“

Malaysia's first 'Sustainability in Medicine' module: 30 medical students trained to decarbonise a health system that accounts for 4–5% of global carbon emissions.



ENGAGEMENT & PARTNERSHIP

Sustainable Empowerment Workshops for Refugee Communities

SUNWAY BUSINESS SCHOOL

Sunway Business School (SBS) designed and delivered hands-on empowerment workshops at the Refugees Empowerment Initiative (REI) Centre in Malaysia, serving displaced individuals from Somalia, Sudan, Chad, Syria, and Yemen. The programme equipped participants with essential marketing knowledge, digital literacy, and market-access strategies.

The impact was measurable and immediate: prior to training, only 25% of participants had any knowledge of consumer segmentation. Following the workshop, 100% reported improved understanding, 75% expressed confidence in applying segmentation strategies, and 100% found the workshop helpful.

Aligned with SDG 4 (Quality Education) and SDG 3, the programme demonstrates that education is one of the most powerful pathways out of poverty — and that Sunway University's reach extends to those most easily excluded from formal systems.

“

100% of refugee workshop participants reported improved understanding of consumer segmentation — education as the most powerful pathway out of poverty.



ENGAGEMENT & PARTNERSHIP — CONTINUED

Program Titian Digital (PTD) Neuroplasticity Research Project**SUNWAY INSTITUTE FOR GLOBAL STRATEGY AND COMPETITIVENESS (SUNWAY IGSC)**

The Sunway Institute for Global Strategy and Competitiveness (IGSC), in partnership with Pertubuhan Titian Digital Malaysia (PTDM), is conducting a multi-year longitudinal study using the Program Titian Digital ICT curriculum as a real-world intervention to strengthen executive function and cognitive development in marginalised children — extending to Orang Asli communities in Johor.

Over sixteen years, PTD has delivered more than 8.1 million hours of ICT literacy classes benefiting 263,201 children, established 90 school ICT labs, and created 36 active ICT tutor employment opportunities. The research programme has produced two Q1 journal publications and one co-authored book chapter. PTD-supported pupils from SJKT Pulau Carey Barat won Gold at ITEX 2025 against 900+ teams from 15 countries.

Aligned with SDG 4, SDG 1, SDG 3, SDG 10, and SDG 17, this initiative converts a community ICT programme into peer-reviewed evidence for structurally addressing the inter-generational transmission of educational disadvantage.

“

Orang Asli children competing against 900+ teams from 15 countries — neuroplasticity-based ICT education breaking the inter-generational cycle of educational disadvantage.



ENGAGEMENT & PARTNERSHIP — CONTINUED

Sunway Student Volunteers Libraries: After School Tutoring Project**STUDENT LIFE**

The Sunway Student Volunteers (SSV) Libraries programme provides biweekly tutoring in English and Mathematics to Standard 1 and 2 students from Desa Mentari Block 9, a high-density public housing community where limited household resources create significant barriers to academic progress. In 2025, 20 children were enrolled.

Outcomes exceeded the programme's benchmark of 70% reaching TP3 or above: 9 of 10 students reached TP3 or above in English; 8 of 10 in Mathematics. By the final sessions, Standard 2 students averaged TP4.6 in English and TP5 in Mathematics — performance beyond grade-level expectations.

Aligned with SDG 4, SDG 1, SDG 10, and SDG 17, this programme demonstrates that every child's educational trajectory should not be determined by the postcode they were born into.

“

After-school library support and mentoring for underserved children — student volunteers delivering the structured reading enrichment that no child's educational future should have to go without.



COMMUNITY OUTREACH

Refugee Education Student Volunteer Program (3E Impact: Educate, Experience, Evolve)

Sunway Business School's Centre for Commercial Law & Justice, in partnership with the UWA Refugee Learning Center and PRME Chapter ASEAN+, launched the 3E Impact programme — placing 15–16 student volunteers in refugee education settings across a 12-day structured programme. Volunteers delivered classroom support and wellbeing workshops on bullying, vaping, personal hygiene, and social media addiction.

The 3E framework — Educate, Experience, Evolve — transforms volunteerism into holistic learning. Before deployment, volunteers underwent Refugee Education Sensitivity Training. Post-deployment, reflective reports and impact videos documented measurable personal growth in empathy, leadership, and cultural understanding.

Aligned with SDG 10, SDG 4, and SDG 17, the programme creates dual impact: refugee learners receive enhanced educational support, while university students become more socially conscious graduates.

“

Student volunteers as tutors and mentors for refugee learners - dual impact: enhanced education for refugees, more socially conscious graduates for Malaysia.



COMMUNITY OUTREACH — CONTINUED

Inclusive Literacy and Youth Expression

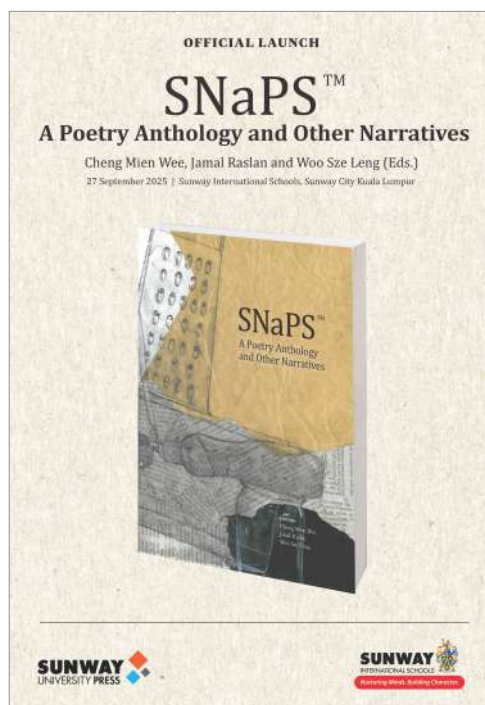
SUNWAY UNIVERSITY PRESS

Sunway University Press published SNaPS — A Poetry Anthology and Other Narratives, commemorating over a decade of the Sunway National Poetry Slam (since 2013). Launched at Sunway International School with the endorsement of leading Malaysian slam poet Jamal Raslan, the anthology documents six years of youth literary excellence (2018–2024) — providing student contributors with professional publishing credits and formal recognition of their creative voices.

Aligned with SDG 4 (Quality Education) and SDG 10, the initiative challenges the tendency to value academic achievement while undervaluing creative expression. By publishing student work to professional standards, Sunway University Press affirms that every student voice has value beyond the classroom.

“

Every youth voice has value beyond the classroom.



COMMUNITY OUTREACH — CONTINUED

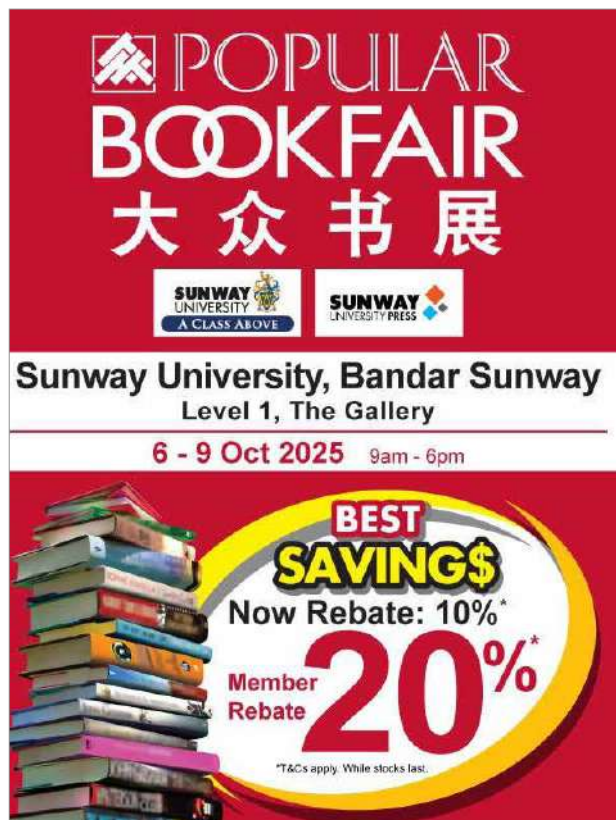
Popular Bookfair 2025 @ Sunway University**SUNWAY UNIVERSITY PRESS**

In a first for Malaysian higher education, Sunway University Press partnered with POPULAR Bookstore — the country's largest book retail chain — to host a four-day campus bookfair on university grounds. The event lowered barriers to knowledge access, transforming the campus into a community hub for intellectual engagement, complemented by the public launch of “The Tyranny of Speed” and a psychology talk on workplace stress.

Aligned with SDG 4 (Quality Education) and SDG 11, the initiative reflects a conviction that universities have a role to play in the broader intellectual life of their communities — not only through formal teaching, but by creating open, inclusive public spaces for learning and discovery.

“

Popular Bookfair 2025 at Sunway University — academic publishing meeting community readership, extending the university's intellectual reach beyond its campus boundaries.



COMMUNITY OUTREACH — CONTINUED

Sunway Student Volunteers Shoebox Project 2025

STUDENT LIFE

Now in its tenth year, the Sunway Student Volunteers (SSV) Shoebox Project reached eight communities — low-income urban flats, NGO schools, disability communities, and indigenous Orang Asli villages — each receiving curated support determined by specific assessed needs.

The 2025 programme distributed 192 shoeboxes: 40 water filters, 15 mobility aids, 17 uniforms, 13 pairs of school shoes, and 117 shoeboxes of targeted supplies. Six structured soft-skill workshops were delivered, with post-workshop surveys showing 37% improvement at Project HOPE Tuition and 30% at Ajar-Ajar. Facilitator effectiveness ratings averaged 4.4–4.8 out of 5.

Aligned with SDG 4, SDG 1, SDG 6, SDG 10, and SDG 17, the Shoebox Project demonstrates that sustainable social impact requires tailored, relationship-grounded interventions — not generic charity.

“

37% learning improvement at Project HOPE Tuition; facilitator ratings of 4.4–4.8 out of 5 — the Shoebox Project proving that lasting social impact demands tailored, relationship-grounded action



COMMUNITY OUTREACH — CONTINUED

Microcode Workshop

FACULTY OF ENGINEERING AND TECHNOLOGY

The Faculty of Engineering and Technology (FET) delivered the Microcode Workshop — an innovative programme making programming concepts accessible to secondary school students and teachers without requiring a computer. Designed for under-resourced schools, the workshop uses “unplugged computing” activities to build genuine computational thinking and problem-solving capabilities.

In 2025, the programme reached more than 40 teachers and 600 students — directly contributing to rebuilding interest in STEM disciplines nationally. A research publication on the unplugged computing pedagogy is currently in progress.

Aligned with SDG 4 (Quality Education) and SDG 10, the Microcode Workshop reflects a commitment that quality STEM education is a public good, not a privilege reserved for well-resourced schools.

“

Unplugged computing education for under-resourced secondary schools — STEM as a public good, not a privilege, backed by a peer-reviewed research publication in progress.



5 GENDER EQUALITY



Achieve gender equality and empower all women and girls.



SDG 5 · GENDER EQUALITY

Our Commitment to Gender Equality

Gender equality runs through Sunway University's teaching, research, and community engagement — from advancing women's health literacy to equipping future clinicians to serve women in underserved communities. The university treats gender equity not as a single programme but as a lens applied across disciplines, ensuring women and girls share fully in the opportunities education creates.

In 2025 this commitment was expressed most directly through clinical education that empowers women to take ownership of their own health — training future nurses as community-oriented advocates for early detection and preventive care, where the evidence shows it saves the most lives.



LOOKING AHEAD

Sunway University will broaden its contribution to SDG 5 by expanding women's health screening outreach, embedding gender-responsive perspectives across the curriculum, and strengthening partnerships that widen women's access to education, healthcare, and economic participation.

GOVERNANCE & LEADERSHIP

Employment Practice, Living Wage, Salary and Pay Equity Policy — Institutionalising Gender Equity at Every Layer

HUMAN RESOURCES DEPARTMENT

Sunway University embeds gender equity into every operational layer through robust governance and inclusive human resource frameworks under the leadership of HR Services. The Employment Practice, Living Wage, Salary and Pay Equity Policy ensures equal pay for equal work — effectively addressing the gender pay gap and promoting economic justice across all roles and levels. Clear mechanisms exist to report discrimination and guarantee equal access to career advancement and leadership pathways, removing the structural barriers that historically limit women's progression in academic and professional environments. Complementing these top-down policies, the Sunway Gender Equality Club (SGEC) leads grassroots advocacy and awareness efforts, championing bias-awareness workshops and inclusive-language campaigns that shape everyday institutional culture. Together, structural governance and community-driven advocacy create a holistic, values-driven environment where gender equality is not only protected but actively practised.

Aligned with SDG 5 (Gender Equality), SDG 8 (Decent Work & Economic Growth), and SDG 10 (Reduced Inequalities).

“

When institutional policy and student-led advocacy work together, gender equality stops being a compliance obligation and becomes a shared value.

TEACHING & LEARNING

Flow with Confidence — Addressing Menstrual Poverty and Stigma Through Experiential Learning

FACULTY / STUDENT PROGRAMMES (COMMUNITY SERVICE)

Through experiential learning, Sunway University students translate classroom theory into direct community change. The 'Flow with Confidence' initiative exemplifies this approach: students designed a holistic outreach programme combining the distribution of sanitary pads with menstrual health education for women and girls in low-income communities. The initiative delivered both immediate relief — reducing the financial burden of menstrual products for families who cannot afford them — and long-term empowerment, fostering awareness, confidence, and bodily autonomy among participants. The programme also deepened students' own capacity for leadership, communication, and empathy: skills that are central to advancing gender equality beyond the classroom, and essential for graduates who will carry these values into their professional and civic lives.

Aligned with SDG 5 (Gender Equality), SDG 1 (No Poverty), SDG 3 (Good Health & Well-being), and SDG 10 (Reduced Inequalities).

“

When a girl misses school because she cannot afford sanitary products, that is an education issue, an equality issue, and an economic issue all at once — and naming it changes everything.

ENGAGEMENT & PARTNERSHIP

Educational Visit to Breast Cancer Welfare Association Malaysia (BCWA)

FACULTY OF MEDICAL AND LIFE SCIENCES

Post Basic Oncology Nursing students from the Faculty of Medical and Life Sciences (FMLS) visited the Breast Cancer Welfare Association Malaysia (BCWA), deepening their understanding of community-based breast cancer advocacy. The visit included hands-on training in breast self-examination (BSE) and clinical breast examination (CBE) — skills deployable in future community health outreach.

Aligned with SDG 3, SDG 4, SDG 5, SDG 10, and SDG 17, the initiative trains future nurses as community-oriented health advocates — empowering women in underserved communities to take proactive ownership of their breast health. Early detection remains the single most effective intervention for improving breast cancer survival rates.

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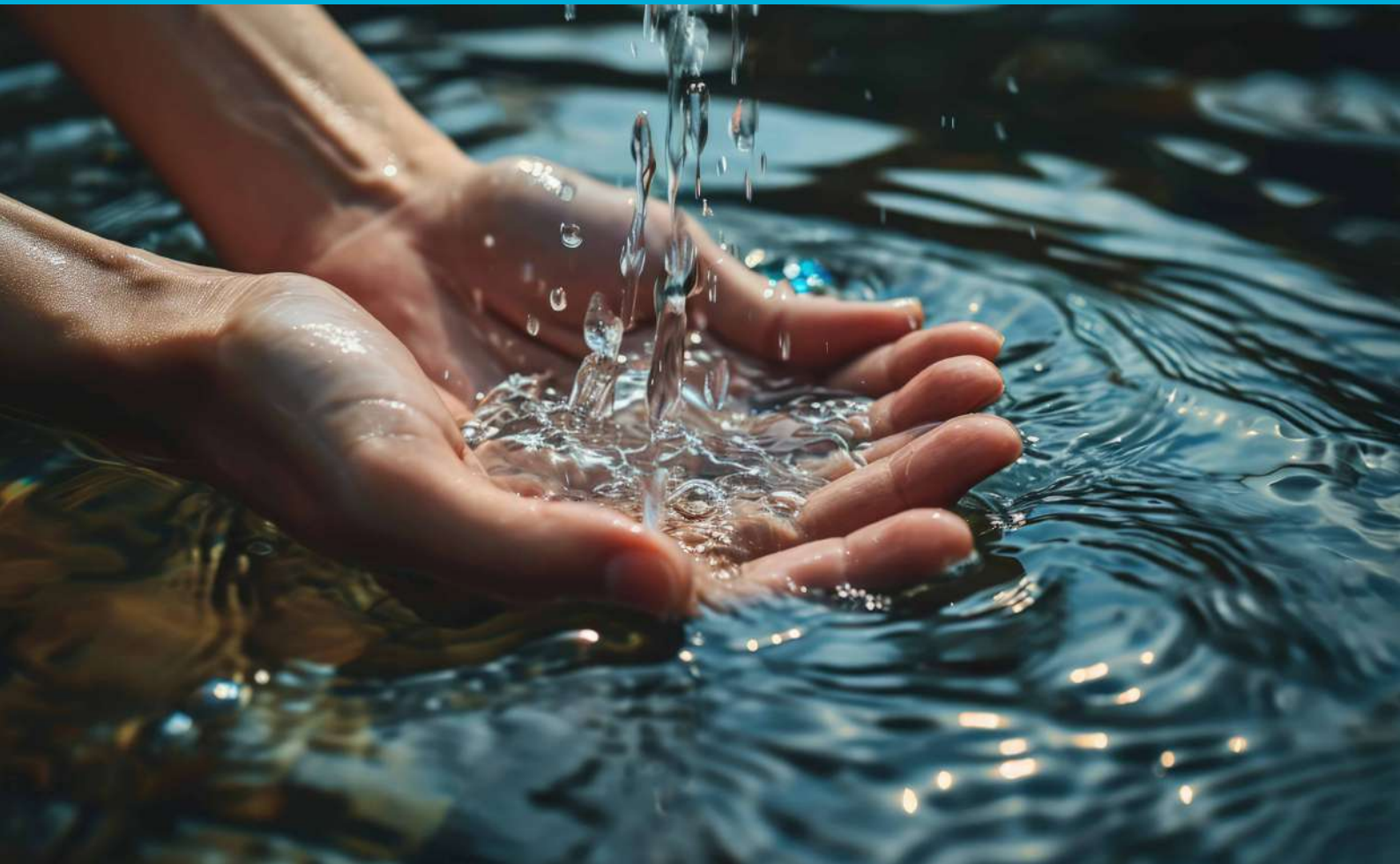
Educational visit to BCWA: future nurses learning firsthand how patient support networks and community advocacy shape the experience of breast cancer diagnosis and treatment.



6 CLEAN WATER AND SANITATION



Ensure availability and sustainable management of water and sanitation for all.



SDG 6 · CLEAN WATER & SANITATION

Our Commitment to Clean Water & Sanitation

Healthy water systems underpin every ecosystem and community Sunway University serves. Through landmark regional science and applied campus research, the university generates the evidence base for protecting rivers, peatlands, and coastal waters — and for translating that knowledge into policy and practice across Southeast Asia.

In 2025 this was anchored by Sunway's leadership of the most comprehensive environmental assessment of Borneo ever undertaken — an island whose rivers, wetlands, and watersheds sustain millions of people across three nations.



LOOKING AHEAD

Sunway University will deepen its contribution to SDG 6 by advancing water-quality monitoring in underserved settlements, scaling transboundary freshwater science through SDSN Asia, and translating river and peatland research into actionable water-governance policy.

GOVERNANCE & LEADERSHIP

Campus as a Living Laboratory — Pioneering Water Stewardship Through Technology and Future-Proofed Infrastructure

FACILITIES MANAGEMENT

Sunway University's campus operates as a living laboratory for sustainable water management, demonstrating what responsible, future-proofed water stewardship looks like in practice. The campus integrates rainwater harvesting, water-efficient systems, porous pavements, and drought-tolerant landscaping to optimise use and recharge groundwater. Its on-site wastewater treatment facility enables full effluent reuse, creating a true circular-water model that minimises extraction and eliminates unnecessary waste. The upcoming Net Zero Faculty of Engineering & Technology Building will advance this vision further through real-time monitoring and water recycling technologies, establishing new benchmarks in institutional water efficiency. Guided by the Sunway Sustainability Strategy 2030, these innovations ensure the campus is not just a place of learning about sustainability — it is a demonstration of it.

Aligned with SDG 6 (Clean Water & Sanitation), SDG 9 (Industry, Innovation & Infrastructure), SDG 11 (Sustainable Cities & Communities), and SDG 13 (Climate Action).

“

We are not waiting for sustainability solutions to be invented — we are building them, running them, and showing what is possible.

RESEARCH & INNOVATION

A Multidisciplinary Mission for Community Health and Water Security — Desa Mentari Water Quality Intervention

FACULTY OF ENGINEERING AND TECHNOLOGY / FACULTY OF MEDICAL AND LIFE SCIENCES

Sunway University leads a multidisciplinary research project in the Desa Mentari community that directly links water quality to public health outcomes — an intervention whose findings matter not only to 5,000 households but to urban water management policy across Malaysia. Bringing together experts from the Faculty of Engineering and Technology and the Faculty of Medical and Life Sciences, the project assesses water contamination risks and implements targeted solutions, including the cleaning and replacement of the community's central water storage tank. This hands-on intervention immediately improves access to clean water for residents while generating data to guide future urban water-safety strategies. The project demonstrates how university research, when grounded in community need, can translate science directly into improvements in health, hygiene, and human dignity.

Aligned with SDG 6 (Clean Water & Sanitation), SDG 3 (Good Health & Well-being), SDG 1 (No Poverty), and SDG 11 (Sustainable Cities & Communities).

“

University research should not produce a paper and move on — it should produce a paper and fix the tank.



RESEARCH & INNOVATION — CONTINUED

Science Panel for Borneo (SPB): Regional Science-to-Policy Platform for Borneo's Forests, Peatlands, Rivers, Coasts and Communities

SUSTAINABLE DEVELOPMENT SOLUTIONS NETWORK ASIA (SDSN ASIA)

SDSN Asia at Sunway University is a co-lead in the Science Panel for Borneo (SPB) — one of the most ambitious science-to-policy platforms ever organised at the scale of a single island. Covering the world's third-largest island spanning Indonesia, Malaysia, and Brunei, SPB brings together 346 contributors across seven thematic clusters. SPB's first assessment — a 2,129-page report launched at COP29 UNFCCC with a 24-page executive summary — documents more than 30% forest loss in recent decades, widespread peatland drainage carrying catastrophic multi-gigaton carbon release risk, and projected mid-century rainfall declines of 20–30%.

Seven cluster outputs translate findings into a concrete FY26–FY27 programme: River Health observatories; peatland rewetting and restoration; riparian and mangrove corridor rehabilitation; community ranger certification; district SDG hubs; circular water demonstrations; and a proposed Borneo Environmental Data Hub. SDSN Asia has been invited by the Blue Economy Office of the Chief Minister of Sabah to participate in a special cross-border pilot.

Aligned with SDG 15, SDG 13, SDG 14, SDG 6, and SDG 17, the SPB represents Sunway University's most geographically expansive and structurally consequential research contribution to the regional sustainability agenda.

“

346 researchers. 2,129 pages. 3 nations. The Science Panel for Borneo: the most geographically expansive and structurally consequential research Sunway University has ever produced.



TEACHING & LEARNING

Food Hygiene and Clean Water Education Initiative – Empowering the Next Generation of Water Stewards

STUDENT LIFE / SUNWAY STUDENT VOLUNTEERS (SSV)

Sunway University brings sustainability to life through experiential learning that creates real-world change. In the Food Hygiene and Clean Water Education initiative, student volunteers teach children in community settings practical methods for safe food washing, pesticide removal, and basic water filtration — skills that have immediate relevance to everyday health and safety. This interactive, hands-on approach connects clean water to daily life, fostering behavioural change alongside knowledge. Participants become not just better-informed children, but active water stewards in their own homes and communities. The programme equally strengthens students' own understanding of water systems and public health — proving that the most impactful education begins with genuine real-world engagement rather than the classroom alone.

Aligned with SDG 6 (Clean Water & Sanitation), SDG 3 (Good Health & Well-being), SDG 4 (Quality Education), and SDG 10 (Reduced Inequalities).

“

A child who came home and taught her whole family the correct water-washing method had not just learned a hygiene technique — she had become the water safety advocate for her household.

7 AFFORDABLE AND CLEAN ENERGY



Ensure access to affordable, reliable, sustainable and modern energy for all



SDG 7 · AFFORDABLE & CLEAN ENERGY

Our Commitment to Affordable & Clean Energy

The global energy transition is one of the defining challenges of this generation. Sunway University's Faculty of Engineering and Technology and SDSN Asia are generating the foundational research — from advanced materials to regional energy modelling — that will underpin Southeast Asia's pathway to net-zero energy systems.



LOOKING AHEAD

Sunway University will advance its clean energy research through their Net Zero research and expanded commercialisation pathways for technological and material innovations, deeper engagement in ASEAN regional energy policy, and the development of new multidisciplinary programmes connecting energy science with economics, governance, and community impact.

RESEARCH & INNOVATION

Sustainable Multifunctional Electrochromic Supercapacitors for Smart Energy-Efficient Buildings

FACULTY OF ENGINEERING AND TECHNOLOGY

The Faculty of Engineering and Technology (FET), is pioneering multifunctional electrochromic supercapacitor materials for next-generation smart buildings. These materials integrate dynamic energy storage and intelligent window management — enabling buildings to simultaneously regulate solar heat gain and store energy, dramatically reducing energy consumption and carbon footprint.

Supported by RM40,000 in Research Accelerator Grant Scheme (RAGS) funding, the project employs microwave-assisted green synthesis approaches. Buildings account for a significant share of global energy consumption — making smart, energy-efficient building technologies one of the highest-leverage interventions for urban decarbonisation.

Aligned with SDG 7, SDG 9, SDG 11, and SDG 13, this project positions Sunway University as a credible contributor to Malaysia's net-zero built environment agenda.

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A 23% improvement in emissivity over existing benchmarks — Sunway's electrochromic smart window research is repositioning tropical building design around net-zero energy.

ASEAN Green Future: Charting Net-Zero Energy Pathways for Southeast Asia

SUSTAINABLE DEVELOPMENT SOLUTIONS NETWORK ASIA (SDSN ASIA)

SDSN Asia at Sunway University coordinates Malaysia's participation in ASEAN Green Future (AGF) — one of the most strategically significant climate research programmes in Southeast Asia. Operating since 2021, AGF brings together SDSN, the ClimateWorks Centre at Monash University, and nine country research teams, supported by the UK PACT fund and the Stockholm Environment Institute.

In 2025, AGF achieved full integration of ten national power sector models into a single harmonised regional framework using LEAP and NEMO tools — enabling genuinely comparable decarbonisation analysis across ASEAN for the first time. This work is formally supported by a DG-CLIMA subcontract contributing to the EU mandate for modelling emission pathways ahead of the second Global Stocktake by 2028.

Key findings served as core inputs for nine major regional and national policy engagements between August and November 2025, including presentations at COP30 and the 25th ASEAN Energy Business Forum. Aligned with SDG 7, SDG 8, SDG 9, SDG 13, and SDG 17, AGF represents Sunway University's most expansive contribution to the global climate and energy agenda.

“

10 national power sector models integrated for net-zero modelling; findings presented at COP30 and the ASEAN Energy Business Forum — Sunway's most expansive climate contribution yet.

RESEARCH & INNOVATION — CONTINUED

Sustainability-Oriented Research Publications in Energy Efficiency and Optimisation**SCHOOL OF MATHEMATICAL SCIENCES**

The School of Mathematical Sciences (SMS) advanced its sustainability research agenda through publications in energy efficiency, optimisation modelling, and sustainable engineering applications. Research addressed renewable energy system design, thermal performance enhancement, and efficient resource utilisation — areas where mathematical modelling provides the analytical foundation for engineering innovations that reduce energy consumption and carbon intensity.

Peer-reviewed articles were published in internationally indexed journals, increasing SMS's research visibility in sustainability-relevant scientific domains.

Aligned with SDG 7, SDG 9, and SDG 13, the SMS research portfolio reflects a conviction that disciplinary breadth is a sustainability asset: the more fields that bring their distinctive methods to bear on sustainability challenges, the more robust the solutions will be.

“

A portfolio of sustainability-oriented publications in energy optimisation, climate modelling, and resource allocation — SMS research demonstrating that mathematics is central to the net-zero transition.

8 DECENT WORK AND ECONOMIC GROWTH



*Promote sustained, inclusive and sustainable economic growth,
full and productive employment and decent work for all*



SDG 8 · DECENT WORK & ECONOMIC GROWTH

Our Commitment to Decent Work & Economic Growth

Sunway University is ranked #20 globally for SDG 8 (Decent Work & Economic Growth) in the THE Impact Rankings 2025. The university's contribution spans executive leadership development, sustainable tourism research, values-driven business curriculum, and the building of national and regional economic capability through education and partnership.



LOOKING AHEAD

Sunway University will deepen its SDG 8 contribution by scaling its executive leadership platforms nationally, expanding applied research on sustainable economic development in ASEAN, and strengthening industry partnerships that translate academic knowledge into workforce capability and organisational transformation.

TEACHING & LEARNING

Sustainability Awareness Framework Integration in Teaching and Learning

FACULTY OF ENGINEERING AND TECHNOLOGY

The Faculty of Engineering and Technology (FET) embedded Finland's internationally recognised Sustainability Awareness Framework (SusAF) into MAN 3154 — delivered across both the April and September 2025 semesters. The SusAF provides a structured, five-dimensional lens for analysing how business and engineering strategies interact with sustainability.

Students assessed proposed strategies across all five framework dimensions — a cognitive shift mirroring the multidimensional decision-making environment they will enter as graduates. Outputs demonstrated greater sustainability systems awareness and more responsible recommendation-making.

Aligned with SDG 8, SDG 9, and SDG 4, this initiative responds to a clear industry signal: employers increasingly seek graduates who treat sustainability as an integrated dimension of good professional practice.

“

By embedding SusAF into engineering education, students learn to see sustainability not as an add-on but as a core dimension of responsible professional decision-making.

RESEARCH & INNOVATION

Sustainability Research Innovation

SCHOOL OF HOSPITALITY AND TOURISM MANAGEMENT

The School of Hospitality and Tourism Management (SHTM) sustained an active portfolio of six sustainability-focused research projects in 2025, covering ecotourism governance, food rescue and redistribution, digital transformation for sustainable tourism, Green Human Resource Management (HRM) in hospitality, responsible ecotourism practices, and the economic impact of sustainable business events.

Projects were conducted in collaboration with external stakeholders including industry partners, government bodies, and organisations such as MyCEB. Outputs include grant-funded studies, peer-reviewed manuscripts, fieldwork datasets, and industry-informed case studies.

Aligned with SDG 8, SDG 15, SDG 9, and SDG 12, this portfolio positions Sunway University as a knowledge hub for sustainable tourism in the ASEAN region — giving industries and policymakers the tools to grow well, not just grow fast.

“

The Sustainability Research Innovation Conference: a platform where applied sustainability research meets the cross-disciplinary exchange from which novel solutions emerge.

ENGAGEMENT & PARTNERSHIP

Lead with Purpose: From ROI to ROV Leadership Programme

SUNWAY INSTITUTE FOR GLOBAL STRATEGY AND COMPETITIVENESS (SUNWAY IGSC)

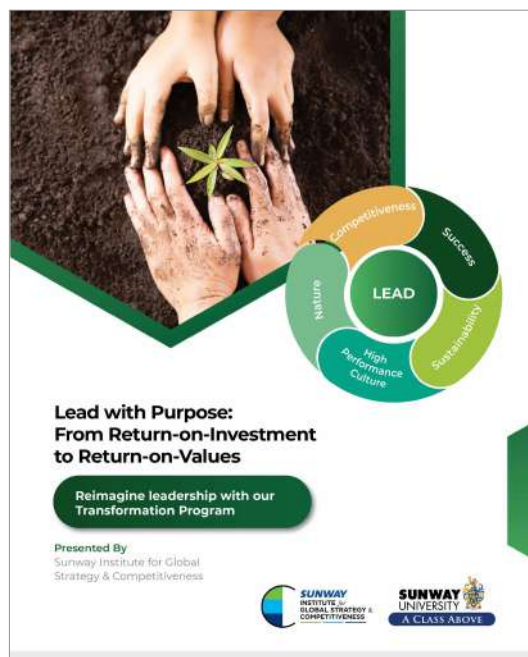
The Sunway Institute for Global Strategy and Competitiveness (IGSC) developed the Lead with Purpose: From ROI to ROV Leadership Programme — a sustainability-focused capacity building initiative helping organisations transition from profit-maximisation toward values-driven, long-term decision-making. The programme introduces the Return on Values (ROV) model, the 8R Nature-Centric Philosophy, the 8i Ecosystem Enablers, and Dynamic Capabilities thinking.

In 2025, the programme trained more than 120 business leaders from over 50 Malaysian companies, achieving a 100% participant satisfaction rate. Three programme modules were fully developed with original teaching materials, workbooks, case studies, and assessment tools.

Aligned with SDG 12, SDG 8, SDG 9, SDG 4, and SDG 13, the programme's replicable design positions it as a durable platform for advancing Malaysia's private-sector sustainability transition — one leadership cohort at a time.

“

From ROI to ROV: senior executives reframing institutional value creation around purpose — because employers now seek graduates who treat sustainability as a dimension of professional excellence.



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



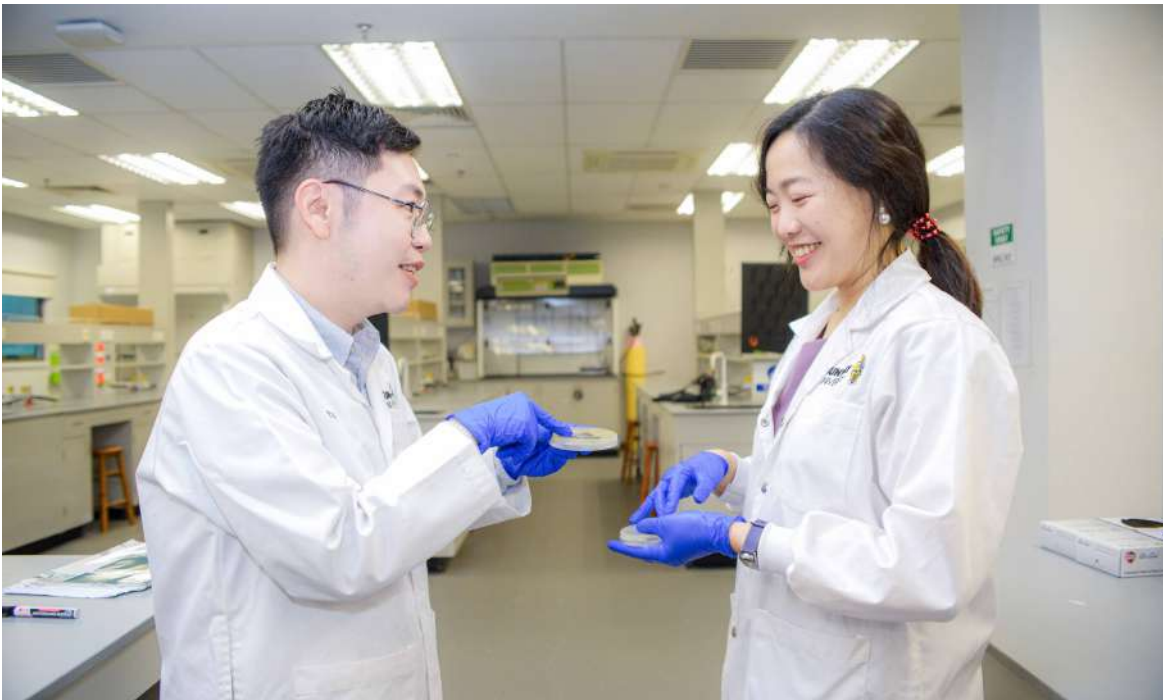
Build resilient infrastructure, promote inclusive and sustainable industrialisation and foster innovation



SDG 9 · INDUSTRY, INNOVATION & INFRASTRUCTURE

Our Commitment to Industry, Innovation & Infrastructure

Innovation is not an add-on to Sunway University's sustainability mission — it is its engine. From AI-powered recycling bins to award-winning eco-bricks, smart building materials, and a globally networked Future Cities Research Institute, Sunway University is generating the technologies, systems, and partnerships that make sustainable industry a reality.



LOOKING AHEAD

Sunway University will build on its innovation strengths by accelerating the commercialisation of research outputs, deepening international R&D partnerships, and expanding its industry engagement programmes to translate laboratory breakthroughs into scalable, market-ready sustainability solutions.

GOVERNANCE & LEADERSHIP

Green Infrastructure Across SHTM Departments

SCHOOL OF HOSPITALITY AND TOURISM MANAGEMENT

The School of Hospitality and Tourism Management (SHTM) embedded sustainability into its teaching infrastructure through a deliberate programme of green technology adoption. The Evenesis digital event management platform eliminated paper-based ticketing in the Department of Hospitality and Events. In the Department of Culinary and Food Studies, UNOX smart ovens, Salva deck ovens, and Hoshizaki ice machines — featuring eco-friendly refrigerants, water-saving systems, and auto shut-off — reduced energy consumption and water use across teaching kitchens.

Aligned with SDG 9, SDG 12, and SDG 13, this initiative reflects a core conviction: when sustainability is the operational norm — not the exception — students internalise it as a professional standard, not an aspiration.

“

Sustainable equipment, reduced single-use materials, and monitored energy use across SHTM teaching kitchens — when sustainability is the norm, students internalise it as a professional standard.



TEACHING & LEARNING

Integration of Sustainability Competency into the School of Mathematical Sciences Curriculum

SCHOOL OF MATHEMATICAL SCIENCES

The School of Mathematical Sciences (SMS) undertook a deliberate, curriculum-level integration of sustainability competency across selected courses — connecting the analytical rigour of mathematical education to real-world environmental and societal challenges. Academic staff incorporated sustainability themes into assignments, group projects, and classroom discussions.

Four tangible outputs were produced: sustainability competency integrated into curriculum mapping; sustainability-themed assignments embedded into teaching; increased student exposure to SDG-relevant problem-solving; and academic staff engaged in ongoing curriculum review.

Aligned with SDG 4, SDG 8, and SDG 13, the initiative ensures that future graduates from mathematical disciplines are sustainability-literate contributors to evidence-based decision-making.

“

Sustainability competencies formally integrated into the mathematics curriculum — every graduate leaving SMS equipped to apply quantitative expertise to the world's most pressing challenges.



RESEARCH & INNOVATION

Upcycling Waste Materials into Sustainable Energy Storage & Harvesting Technologies

FACULTY OF ENGINEERING AND TECHNOLOGY

SCEEST within the Faculty of Engineering and Technology (FET) is converting waste into clean energy technologies — developing sustainable energy harvesting and storage devices from recycled carbon materials, palm biomass waste, and bio-derived resources. Using green synthesis methods and advanced materials engineering, the team produces thermoelectric composites, rechargeable battery components, and thermal management systems.

A patent has been filed for “Thermoelectric Composite Derived From Recycled Waste Material.” Multiple high-impact journal publications have been generated, and international collaborations established across multiple countries.

Aligned with SDG 12, SDG 7, SDG 9, and SDG 13, the initiative demonstrates that industrial and agricultural waste need not be an environmental liability — it can be the raw material for the clean energy technologies of tomorrow.

“

Oil palm biomass transformed into supercapacitor electrodes — agricultural waste becoming the raw material for clean energy storage solutions the world urgently needs.

Perca.Bata: Transforming Textile Waste into Interior-Grade Eco-Bricks

FACULTY OF ARTS & SOCIAL SCIENCES

The Faculty of Arts & Social Sciences (FASS) developed PercaBata — converting discarded textile waste into non-load-bearing eco-bricks for construction and interior applications. Using alternative binders including soy wax, the team developed multiple prototype eco-bricks demonstrating both structural feasibility and aesthetic potential.

The initiative was integrated into the BA (Hons) Interior Architecture programme and SANDscape Design Week 2025, winning 1st Place and Best Research Award in Architecture, Design & Art at the III OIC Youth Scientific Congress in Kazan, Russia.

Aligned with SDG 9, SDG 11, and SDG 12, PercaBata demonstrates that design and architecture can actively participate in the circular economy — where creativity and sustainability are inseparable.

“

Perca.Bata published student creative writing to professional standards — affirming that every student voice holds value far beyond the classroom.

RESEARCH & INNOVATION — CONTINUED

Future Cities Research Institute — SDG-Aligned Urban Research & Partnership Platform

FUTURE CITIES RESEARCH INSTITUTE

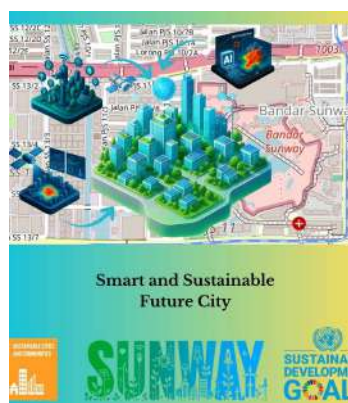
The Future Cities Research Institute (FCRI) at Sunway University advanced its position as a regional hub for AI-driven urban sustainability research in 2025, delivering collaborative projects across sustainable AI, low-cost IoT environmental monitoring (WARP), energy storage systems, and CO₂-active construction materials.

Key 2025 outputs: 47 publications produced; RM93,000/£20,000 mobilised through the Sunway–Lancaster Seed Corn Fund across 4 projects; RM330,000 in external grants secured; 6 capacity-building workshops organised; and the “Friends of Future Cities” network established with 7 world-class institutions including MIT, ETH Zurich, and KAUST.

Aligned with SDG 11, SDG 7, SDG 9, SDG 13, and SDG 17, FCRI’s model positions Sunway University as an indispensable voice in shaping sustainable cities across Southeast Asia.

“

The Future Cities Research Institute contributing to national and regional policy dialogue — research that shapes how Malaysian cities are built and governed for decades ahead.



ENGAGEMENT & PARTNERSHIP

ESG Positive Impact Awards 2024

JEFFREY SACHS CENTRE FOR SUSTAINABLE DEVELOPMENT

The Jeffrey Sachs Centre for Sustainable Development (JSC) was invited by The Star to serve as an independent judging partner for the ESG Positive Impact Awards 2024 — one of Malaysia's most credible corporate sustainability recognition platforms. JSC evaluated 32 companies: nine in the Transformation category and 23 in Sustainable Products & Services, assessing each on its ability to move "from aspiration to execution."

Aligned with SDG 9 (Industry, Innovation & Infrastructure) and SDG 17, this engagement embeds university-level rigour and SDG-aligned frameworks into national corporate sustainability evaluation. By raising the standard for what credible ESG reporting looks like in Malaysia, Sunway University contributes to a more accountable private sector.

“

32 Malaysian companies evaluated on their ability to move from ESG aspiration to execution — university rigour embedded into national corporate sustainability standards.

10 REDUCED INEQUALITIES



Reduce inequality within and among countries



SDG 10 · REDUCED INEQUALITIES

Our Commitment to Reduced Inequalities

Sunway University's commitment to equity is woven through its educational outreach, community development, cultural programmes, and research. Whether addressing the digital divide in Orang Asli communities, supporting refugee learners, or building the evidence base for urban poverty interventions, the university treats inequality as a structural challenge demanding structural responses.



LOOKING AHEAD

Sunway University will deepen its SDG 10 contribution through the expansion of the Desa Mentari Cohort Study into a multi-year intervention platform, the scaling of the SSV Libraries tutoring programme, and the development of new research partnerships that connect inequality evidence to national policy action.

TEACHING & LEARNING

ROOTS: Embracing Our Malaysian Cultural & Heritage

FACULTY OF ARTS & SOCIAL SCIENCES

Second-year Communication students from the Faculty of Arts & Social Sciences (FASS) designed and delivered ROOTS — a five-day campus-wide cultural awareness campaign celebrating Malaysia's rich heritage, organised as a capstone exercise in their Public Relations module. Each day highlighted a distinct dimension of Malaysian cultural identity.

Aligned with SDG 10 (Reduced Inequalities) and SDG 11.4, the campaign recognised that cultural identity and knowledge-sharing are central to social cohesion. In a campus as internationally diverse as Sunway's, initiatives celebrating Malaysian culture are also acts of welcome for international students — building cross-cultural understanding on both sides.

“

Penang, Johor, and the Klang Valley explored through food, traditions, and heritage storytelling — ROOTS generating cultural pride and community identity across Malaysia's regions.

RESEARCH & INNOVATION

Desa Mentari Baseline Survey

SUNWAY INSTITUTE FOR GLOBAL STRATEGY AND COMPETITIVENESS (SUNWAY IGSC)

The Sunway Institute for Global Strategy and Competitiveness (IGSC) is leading a longitudinal research initiative to transform the Desa Mentari public housing settlement — home to more than 5,000 households across ten high-rise blocks in Petaling Jaya — into an open innovation ecosystem for inclusive, sustainable urban development.

The Baseline Survey captures health profiles, household composition, economic circumstances, and access to amenities. To date, more than 200 households representing over 800 residents have been surveyed. The survey is the foundation of a larger Cohort Study enabling Sunway researchers to test and scale effective interventions.

Aligned with SDG 11, SDG 1, SDG 3, SDG 4, and SDG 10, this initiative is a long-term, community-anchored commitment to transforming urban vulnerability into inclusive resilience.

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A comprehensive baseline survey of Desa Mentari — establishing the evidence foundation for every subsequent community intervention in one of Petaling Jaya's most underserved neighbourhoods.

COMMUNITY OUTREACH

A Day Out with Sunway Sanctuary Residents

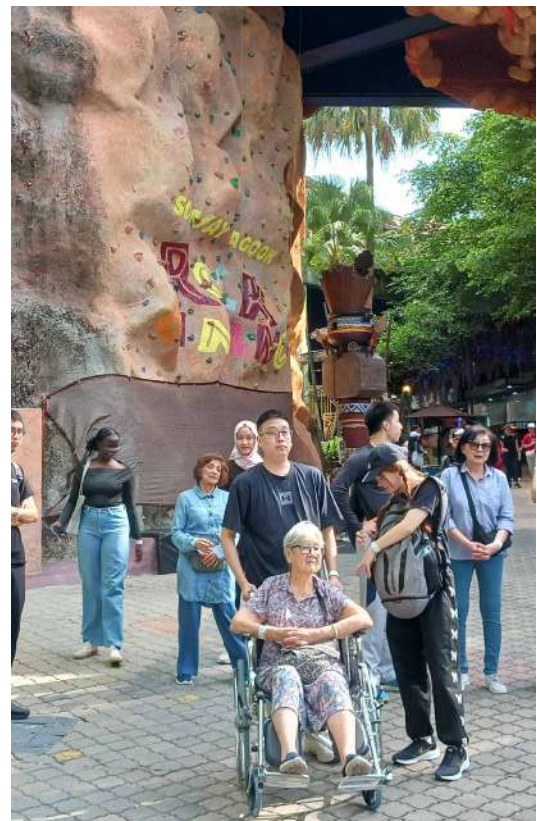
JEFFREY SACHS CENTRE FOR SUSTAINABLE DEVELOPMENT

The Jeffrey Sachs Centre for Sustainable Development (JSC) facilitated an intergenerational community engagement initiative, bringing younger participants together with elderly residents at Sunway Sanctuary to foster meaningful connection, mutual respect, and shared learning. The programme addressed the growing challenge of social isolation among older adults in urban environments — a silent public health crisis.

Aligned with SDG 10 (Reduced Inequalities) and SDG 11, the initiative targeted SDG Targets 10.2 and 11.2. For elderly residents, the programme reduced loneliness and improved emotional wellbeing. For younger participants, it cultivated empathy and deepened civic responsibility. Inclusive, age-friendly communities are not optional elements of sustainable cities — they are foundational to them.

“

Culinary sessions, traditional games, and companionship delivered to Sunway Sanctuary residents — proof that dignity and joy are as vital to wellbeing as clinical care.



11 SUSTAINABLE CITIES AND COMMUNITIES



*Make cities and human settlements inclusive, safe, resilient
and sustainable*



SDG 11 · SUSTAINABLE CITIES & COMMUNITIES

Our Commitment to Sustainable Cities & Communities

Sunway University is ranked #30 globally for SDG 11 in the THE Impact Rankings 2025. Embedded within Sunway City — Malaysia's model integrated township — the university has a unique vantage point on sustainable urban living. Its research, community engagement, and cultural preservation initiatives reflect a comprehensive understanding of what it means for cities to be genuinely inclusive, resilient, and liveable.



LOOKING AHEAD

Sunway University will advance its SDG 11 contribution through expanded urban health and biodiversity research, deeper engagement with Malaysia's property and planning sectors on sustainable built environment standards, and the development of community-facing cultural preservation initiatives.

ENGAGEMENT & PARTNERSHIP

Idaho® Potato Creative Culinary Challenge 2025

SCHOOL OF HOSPITALITY AND TOURISM MANAGEMENT

The School of Hospitality and Tourism Management (SHTM), in collaboration with the Idaho Potato Commission Asia and Sun Valley Potatoes Inc., organised the Idaho® Potato Creative Culinary Challenge 2025 — celebrating culinary creativity, cultural heritage, and sustainable food innovation. The challenge attracted 70 submissions, from which 45 participants were selected to reimagine iconic Malaysian dishes.

The 45 recipes developed will be curated and published in a heritage cookbook by Sunway University Press and Idaho Potatoes in 2026 — timed to coincide with Visit Malaysia 2026. This publication serves as a permanent record of Malaysian culinary heritage and a professional platform for young culinary talent.

The initiative advances SDG 11.4 (safeguarding cultural heritage) and SDG 17, exemplifying academia-industry collaboration at its most generative.

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70 culinary competition submissions received for the Idaho® Potato Creative Culinary Challenge — academia-industry collaboration preserving and advancing Malaysian culinary heritage.



ENGAGEMENT & PARTNERSHIP — CONTINUED

Sustainable Development as a Competitive Advantage: Keynote at REHDA Property Development Masterclass

SUNWAY INSTITUTE FOR GLOBAL STRATEGY AND COMPETITIVENESS (SUNWAY IGSC)

The Sunway Institute for Global Strategy and Competitiveness (IGSC) was invited by REHDA Institute to contribute sustainability thought leadership to the Malaysia Property Development Process Masterclass. Professor Pervaiz K. Ahmed delivered a keynote reframing sustainability not as a compliance burden but as a strategic leadership imperative with direct implications for long-term sector competitiveness and asset value.

The keynote reached more than 50 industry leaders across three regional editions — Penang, Johor, and the Klang Valley.

Aligned with SDG 11, SDG 12, SDG 9, and SDG 8, this initiative generates influence that compounds over time: leadership conversations that shape buildings, communities, and cities for decades.

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ESG executive education positioning sustainable development as a commercial advantage — equipping Malaysian business leaders with the frameworks to act, not just aspire.



COMMUNITY OUTREACH

Cultural Heritage and International Academic Exchange

SUNWAY UNIVERSITY PRESS

Sunway University Press organised public forums and exhibitions across Malaysia, Singapore, and Europe centred on the 19th-century historical explorations of Hungarian naturalist János Xántus in Sarawak, Borneo — anchoring the launch of “Xantus and/es Borneo,” a primary historical research publication enriching Southeast Asian heritage scholarship.

The formal involvement of the Embassy of Hungary elevated the initiative internationally, securing a RM5,000 Goethe-Institut sponsorship and direct purchase of 200 copies by the Embassy. A lasting academic bridge between Malaysian and Hungarian scholarly communities was established.

Aligned with SDG 11.4 (safeguarding cultural heritage) and SDG 17, the initiative demonstrates that cultural heritage requires active preservation, scholarly inquiry, and institutional investment.

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RM5,000 Goethe-Institut sponsorship secured and 200 copies purchased by the Embassy of Hungary — a university publication becoming an instrument of international cultural diplomacy.



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



*Ensure sustainable consumption and
production patterns*



SDG 12 · RESPONSIBLE CONSUMPTION & PRODUCTION

Our Commitment to Responsible Consumption & Production

Sunway University is ranked #78 globally for SDG 12 in the THE Impact Rankings 2025. Across its faculties, shared services, and research centres, the university is building a culture of circular economy thinking — from smart recycling infrastructure to ESG capacity building for Malaysian SMEs, from research on e-waste governance to meatless eating campaigns that begin in campus corridors.



LOOKING AHEAD

Sunway University will scale its SDG 12 contributions through expanded SME sustainability education, the development of national circular economy policy evidence, and the deepening of its campus operational sustainability programmes — targeting measurable year-on-year reductions in waste generation, energy consumption, and dietary carbon footprint.

GOVERNANCE & LEADERSHIP

Switch Off & Unplug

FACULTY OF MEDICAL AND LIFE SCIENCES

The Faculty of Medical and Life Sciences (FMLS) launched Switch Off & Unplug — an initiative encouraging staff to switch off lights when leaving rooms and unplug non-essential electronic devices each Friday and before extended leave. Heads of Departments designate a Person-in-Charge (PIC) to embed the practice institutionally, creating distributed accountability across the faculty.

The initiative targets phantom energy consumption — electricity silently drawn by devices on standby — which, across a large institution with extensive laboratory equipment, represents a collectively significant and eminently reducible energy demand.

Aligned with SDG 12, SDG 7, and SDG 13, Switch Off & Unplug demonstrates that meaningful environmental management sometimes simply requires clear communication and distributed responsibility — asking everyone to take ownership.

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Switch Off & Unplug: a campus-wide energy conservation campaign demonstrating that small, collective behavioural shifts aggregate into meaningful reductions in campus carbon footprint.

Meatless Monday — Eat Local Vegetable Dishes

FACULTY OF MEDICAL AND LIFE SCIENCES

The Faculty of Medical and Life Sciences (FMLS) introduced Meatless Monday — a weekly campaign encouraging staff and students to adopt plant-based meals centred on locally available Malaysian vegetables including kangkung, bayam, sawi, kacang panjang, and ulam. Participants share recipes and meal inspiration, building community around sustainable food choices.

A single day's reduction in meat consumption, practiced collectively across a campus community, contributes meaningfully to lowering the institution's dietary carbon footprint while promoting local agriculture and healthier eating.

Aligned with SDG 12, SDG 3, and SDG 13, Meatless Monday demonstrates that the most impactful sustainability actions are those woven into the texture of everyday life.

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Meatless Monday promoting plant-based, locally sourced meals across campus dining — embedding sustainable food consumption habits into the daily routines of thousands of students and staff.

GOVERNANCE & LEADERSHIP — CONTINUED

Sunway Campus E-Waste Collection Programme

IT SERVICES

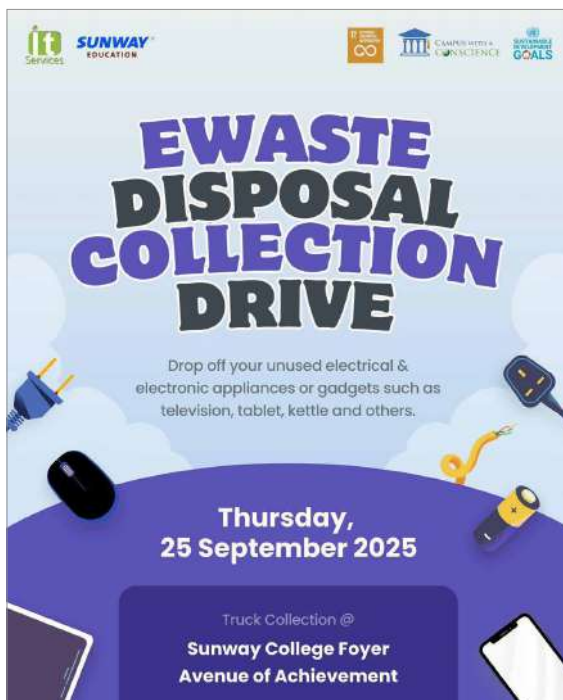
IT Services at Sunway University operates a structured, bi-annual campus e-waste collection programme providing students, staff, and nearby residents with a certified, cost-free channel for retiring end-of-life electronic devices. The programme operates across two tracks: scheduled bi-annual collection drives with a certified disposal vendor, and year-round designated collection bins for smaller electronics.

In 2025, the dual-channel model collected 4,766 kg of e-waste — encompassing community contributions and Sunway Education Group institutional asset retirements — diverting a substantial volume of hazardous material from landfill.

Aligned with SDG 12, SDG 11, and SDG 13, the initiative demonstrates that IT Services can be a powerful lever for campus-wide environmental impact.

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Campus e-waste collected and responsibly managed, diverting end-of-life electronics from landfill — IT Services as a powerful lever for campus-wide environmental impact.



GOVERNANCE & LEADERSHIP — CONTINUED

SMS Sustainability Awareness and Responsible Resource Practices

SCHOOL OF MATHEMATICAL SCIENCES

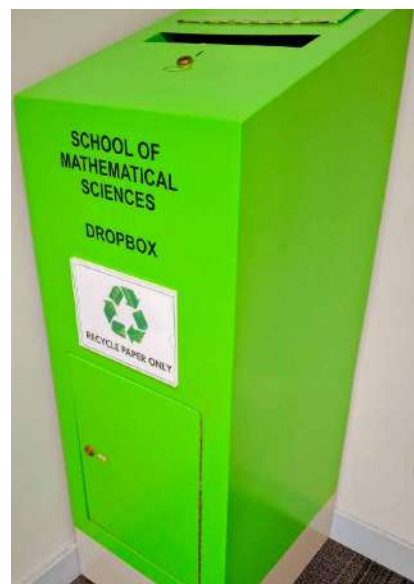
The School of Mathematical Sciences (SMS) implemented a sustained programme of sustainability awareness and responsible resource management across its staff and student community. Internal campaigns promoted eco-friendly habits including food waste reduction, recycling, responsible paper usage, and energy conservation — aligned with Sunway University's Campus with a Conscience commitment.

Three concrete 2025 outputs: sustainability awareness campaigns distributed across SMS; active promotion of recycling and eco-friendly practices; and sustainability incorporated as a standing agenda item in committee discussions.

Aligned with SDG 12, SDG 13, and SDG 4, the programme reflects a principle all leading sustainability institutions demonstrate: meaningful environmental progress is also the product of thousands of daily decisions made by staff and students in offices and labs.

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Future mathematicians trained to understand that every recommendation carries sustainability consequences — because the models graduates build will shape resource decisions for decades.



RESEARCH & INNOVATION

Sound International Resource Circulation: E-Waste Governance Research in ASEAN

SUNWAY BUSINESS SCHOOL

Sunway Business School (SBS) contributed to the Economic Research Institute for ASEAN and East Asia (ERIA) FY2025 research programme with a detailed country study on sustainable e-waste governance and international resource circulation between Malaysia and Japan. The research examined e-waste material flows — from generation and collection through informal recycling sectors, urban mining, and cross-border waste trade.

Evidence was gathered through engagement with seven key industry and NGO stakeholders in Malaysia's e-waste sector. The forthcoming ERIA research report provides policy recommendations supporting circular economy development, Extended Producer Responsibility (EPR) frameworks, and more equitable international waste management.

Aligned with SDG 12, SDG 16, and SDG 9, this research addresses a growing global equity issue: as electronic consumption rises, the environmental burden of e-waste is disproportionately borne by lower-income nations.

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Reverse Vending Machines piloted to directly divert recyclable materials from landfill — circular waste management research demonstrating that every campus function can drive environmental impact.

ENGAGEMENT & PARTNERSHIP

Culinary Education and Heritage Preservation

SUNWAY UNIVERSITY PRESS

Sunway University Press formalised a strategic publishing partnership with Le Cordon Bleu — one of the world's most prestigious culinary institutions — through a Memorandum of Understanding (MOU) establishing co-publications across three thematic pillars: Entrepreneurship, Malaysian Cuisine, and Plant-Based Culinary Arts.

The Plant-Based Culinary Arts focus is particularly significant from a sustainability perspective. By making professional plant-based cooking knowledge accessible to home cooks and food enthusiasts, the partnership directly supports more sustainable dietary choices and reduced reliance on high-emission protein sources.

Aligned with SDG 12 (Responsible Consumption & Production), SDG 4, and SDG 11.4, the MOU creates lasting infrastructure for knowledge preservation and dissemination — sustainability through culture, and culture through sustainability.

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Culinary heritage preserved in print to coincide with Visit Malaysia 2026 — a permanent record of Malaysia's culinary talent and a model of academia-industry collaboration.

TerraGreen Smart Recycle Bin

JEFFREY SACHS CENTRE FOR SUSTAINABLE DEVELOPMENT

The Jeffrey Sachs Centre for Sustainable Development (JSC) supported the development and deployment of TerraGreen — an AI-powered smart recycling bin that classifies waste as recyclable or non-recyclable at the point of disposal using real-time artificial intelligence, generating live data that educates the public and informs manufacturers on product recycling rates.

Piloted at Sunway's Johor Bahru campus, the system generated operational data for iterative design refinement. At the individual level, it educates on proper waste sorting. At the industry level, manufacturers gain data-driven insights for circular economy commitments. At the city level, reduced misdirected waste decreases landfill volumes.

Aligned with SDG 12 (Responsible Consumption & Production) and SDG 11, TerraGreen represents a scalable, data-driven innovation model — transforming everyday disposal decisions into measurable environmental progress.

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TerraGreen's AI-powered smart bins turn every disposal decision into real-time data — educating individuals, informing manufacturers, and shrinking landfill volumes.

ENGAGEMENT & PARTNERSHIP — CONTINUED

Empowering SME Sustainability and Growth through Strategic Supply Chain Support (ESG Capacity Building Programme)

SUNWAY INSTITUTE FOR GLOBAL STRATEGY AND COMPETITIVENESS (SUNWAY IGSC)

The Sunway Institute for Global Strategy and Competitiveness (IGSC), in partnership with the Global Reporting Initiative (GRI), designed and delivered a two-day ESG capacity building programme for Small and Medium Enterprises. Two pilot training sessions reached 63 participants from 40 companies.

Participants completed a double materiality assessment and developed personalised sustainability reporting templates. The programme reframed ESG disclosure as a strategic competency — unlocking access to sustainable finance and strengthening supply chain relationships.

Aligned with SDG 12, SDG 8, SDG 13, and SDG 17, the initiative addresses a structural gap: for Malaysia's sustainability transition to be meaningful, it must include the SMEs that form 97% of the country's business landscape.

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Workshops and advisory for Malaysian SMEs on ESG, sustainable finance, and supply chain — because 97% of Malaysia's businesses are SMEs, and no sustainability transition works without them.



ENGAGEMENT & PARTNERSHIP — CONTINUED

Refashioning the Future: Industry Roundtable on Scaling Slow Fashion in Southeast Asia

SUNWAY INSTITUTE FOR GLOBAL STRATEGY AND COMPETITIVENESS (SUNWAY IGSC)

The Sunway Institute for Global Strategy and Competitiveness (IGSC) is leading Refashioning the Future — a multi-stakeholder regional initiative examining how Southeast Asia can develop a more sustainable fashion industry while preserving its rich textile heritage. Fashion accounts for approximately 10% of annual global carbon emissions.

Since January 2026, five structured roundtables have been convened, engaging 35+ participants per session including fashion designers, manufacturers, academics, policymakers, NGOs, and international partners including Namira Ecoprint (Indonesia), Hanh Silk (Vietnam), and the Rén Collective (Italy). One findings report has been published; four thematic publications are in development.

Aligned with SDG 12, SDG 8, SDG 9, SDG 5, and SDG 13, Refashioning the Future is building the regional architecture for revaluing what fashion means.

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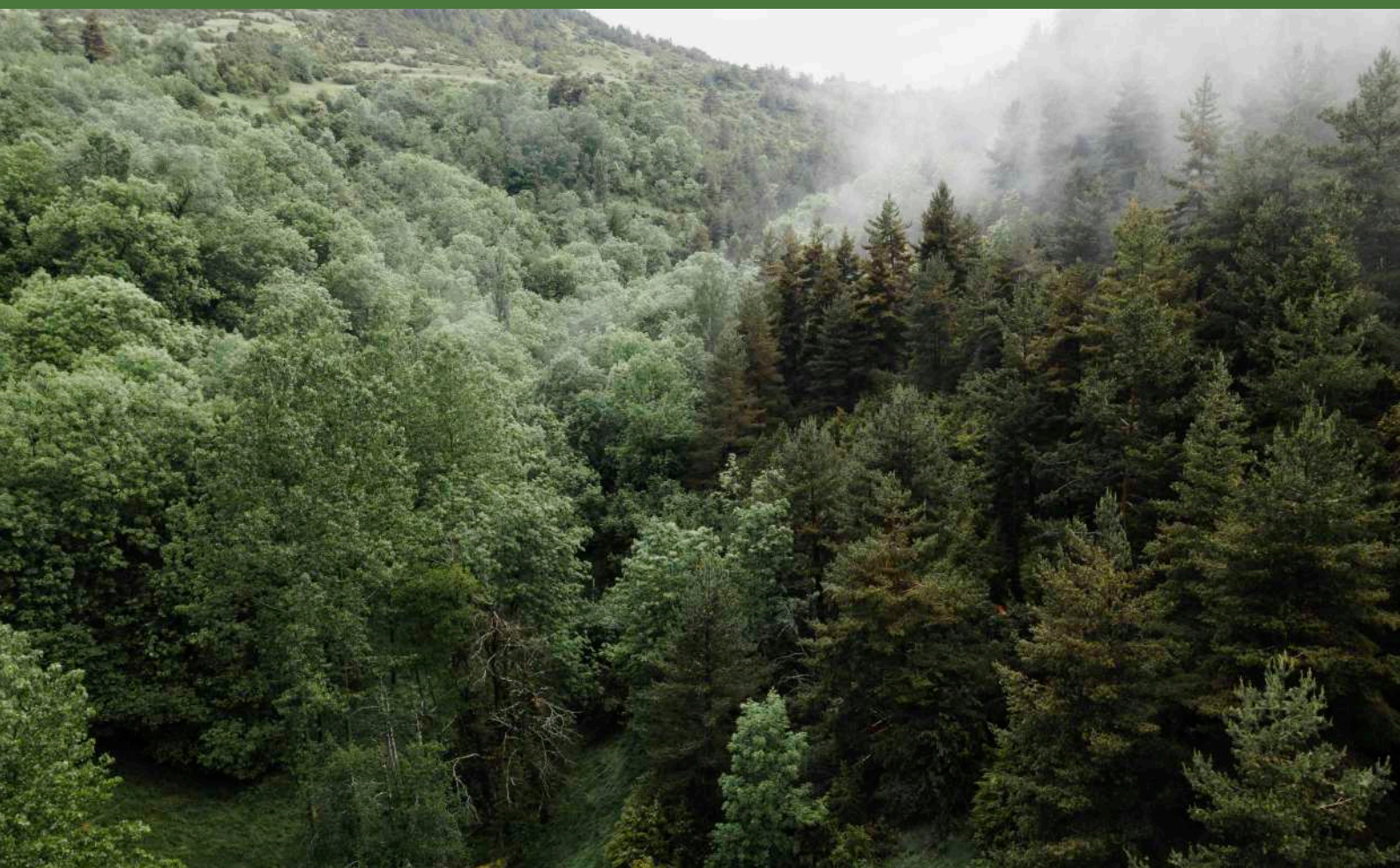
Industry roundtable on sustainable fashion convening designers, retailers, and sustainability practitioners — addressing textile waste, circular systems, and the future of conscious consumerism.



13 CLIMATE ACTION



Take urgent action to combat climate change and its impacts



SDG 13 · CLIMATE ACTION

Our Commitment to Climate Action

Climate action is the existential imperative of our time, and Sunway University is meeting it on multiple fronts simultaneously — through pioneering carbon capture research, net-zero energy modelling for Southeast Asia, Malaysia's world-first National Planetary Health Action Plan, campus operational decarbonisation, and the embedding of climate literacy across the institution's entire staff and academic community.



LOOKING AHEAD

Sunway University will accelerate its climate action contribution through the commercialisation of CCDCU carbon capture technologies, the scaling of ASEAN Green Future into further national policy cycles, the second phase of the No Idling behaviour change study, and the development of a comprehensive campus Scope 1, 2, and 3 emissions inventory aligned with Malaysia's national climate targets.

GOVERNANCE & LEADERSHIP

Carbon Literacy Certification

SUNWAY BUSINESS SCHOOL

Sunway Business School (SBS) designed and delivered a Carbon Literacy Certification programme for university staff — responding to an identified gap: many staff lacked the foundational climate science knowledge needed to integrate sustainability meaningfully into their professional roles. Intentionally capped at 30 participants to ensure interactive, high-impact engagement, the programme was aligned with Principles for Responsible Management Education (PRME).

Participants developed competencies in climate science, carbon emissions accounting, climate justice, and carbon footprint evaluation — alongside practical action-planning skills.

Aligned with SDG 13, SDG 4, and SDG 12, the initiative reflects Sunway University's understanding that institutional transformation begins with the individuals who shape it.

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Carbon Literacy Certification achieved by staff — ensuring that those who teach at SBS also model and transmit climate-conscious professional practice.



GOVERNANCE & LEADERSHIP — CONTINUED

Virtual Server & Electricity Savings Initiative

IT SERVICES

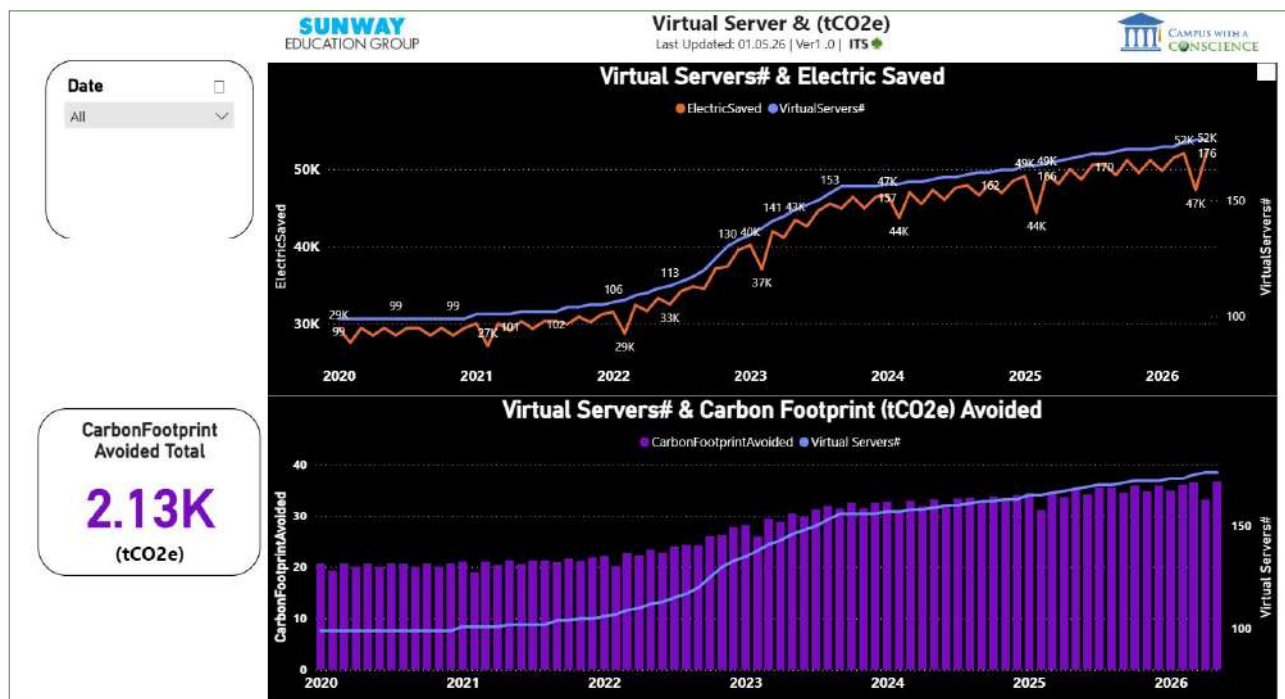
IT Services at Sunway University has built one of the institution's most consequential sustainability contributions through a sustained, multi-year commitment to server virtualisation — consolidating computing workloads onto fewer, more efficient physical machines. Virtual server adoption grew from approximately 99 servers in 2020 to over 170 in 2026. Electricity savings grew from approximately 29,000 units annually to over 50,000 units per year.

The cumulative carbon impact: 2,130 tonnes of CO₂ equivalent (tCO₂e) avoided to date — a verifiable, material contribution to Sunway University's decarbonisation agenda and Malaysia's climate commitments under the Paris Agreement.

Aligned with SDG 13, SDG 7, and SDG 12, the Virtual Server Initiative proves that sustainability is embedded in the operational architecture of the institution itself.

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Server virtualisation reducing physical infrastructure and electricity consumption — IT Services demonstrating that digital efficiency is a direct contribution to campus decarbonisation.



GOVERNANCE & LEADERSHIP — CONTINUED

National Planetary Health Action Plan (NPHAP)

**SUNWAY INSTITUTE FOR GLOBAL STRATEGY AND COMPETITIVENESS (SUNWAY IGSC) /
SUNWAY CENTRE FOR PLANETARY HEALTH (SCPH)**

Malaysia became the first country in the world to publish a National Planetary Health Action Plan (NPHAP) — a government-commissioned blueprint directly linking the health of the nation's people to the health of its natural systems. The Sunway Institute for Global Strategy and Competitiveness (IGSC), in collaboration with the Sunway Centre for Planetary Health designed the plan's conceptual architecture, led the Framework and Integration team, and developed the Return-on-Values (ROV) proposition at its core.

The blueprint was developed through a collaborative effort led by the Ministry of Science, Technology and Innovation (MOSTI), in collaboration with the Academy of Sciences Malaysia (ASM), various government agencies, and key stakeholders.

The NPHAP spans 6 Key Result Areas, 5 Systemic Shifts, 53 Strategies, and 224 Action Plans — each mapped to lead agencies and targets through 2050. Developed through consultation with more than 3,500 scientists, policymakers, civil society representatives, youth, and business leaders.

Aligned with SDG 13, SDG 3, SDG 15, SDG 14, SDG 16, and SDG 17, the NPHAP is a global model for operationalising planetary health as formal development policy.

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3,500 contributors. The world's first National Planetary Health Action Plan — co-architected by Sunway and setting Malaysia's planetary health agenda through 2050.



TEACHING & LEARNING

Teaching & Learning on Carbon Capture and Storage

FACULTY OF ENGINEERING AND TECHNOLOGY

The Faculty of Engineering and Technology (FET) redesigned the final-year Carbon Capture and Storage (CCS) subject for Chemical Engineering students using an interactive, problem-centred pedagogical approach. Through case studies, group discussions, life cycle assessment exercises, and collaborative problem-solving, 14 final-year students engaged with CCS applications as solutions with complex trade-offs.

Post-assessment submissions demonstrated markedly improved systems thinking: students articulated not just how carbon capture works, but why design choices matter for net-zero targets and how engineering decisions connect to global climate commitments.

Aligned with SDG 13 and SDG 12, this curriculum initiative ensures that engineering graduates are not only technically excellent but environmentally literate.

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Carbon capture and direct air capture integrated into the engineering curriculum — graduates who understand how their technical decisions connect to global climate commitments.

RESEARCH & INNOVATION

The 3rd Euro-Asia Conference on CO₂ Capture and Utilisation (EACCO2CU 2025)

FACULTY OF ENGINEERING AND TECHNOLOGY

The Faculty of Engineering and Technology (FET) hosted EACCO2CU 2025 at Sunway University — a three-day international conference repositioning CO₂ not as a pollutant to be buried, but as a feedstock to be harnessed. The conference convened 77 delegates from 10 countries across Asia, the Middle East, and Europe, featuring 13 plenary keynote addresses, 34 technical oral presentations, and 9 poster sessions.

The event marked the graduation of the CCDCU's first Doctorate student. Twelve CPD points were certified by the Board of Engineers Malaysia (BEM). Thirty students presented their research and received Best Presentation recognition.

Aligned with SDG 13, SDG 7, and SDG 9, EACCO2CU 2025 supported Malaysia's net-zero emissions target for 2050 and the National Energy Transition Roadmap.

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120+ international researchers convened at EACCO2CU 2025 — advancing the global agenda on carbon capture and utilisation in a Southeast Asian context.

ENGAGEMENT & PARTNERSHIP

APEC 2025 Korea Scientist Invitation Program

FACULTY OF ENGINEERING AND TECHNOLOGY

The Faculty of Engineering and Technology (FET) secured a fully funded fellowship through the APEC 2025 Scientist Invitation Program for Dr. Nurul Atiqah Izzati binti Md Ishak — enabling 90 days of advanced research training at the Ulsan Advanced Energy Technology R&D Centre in Korea. The programme placed 21 Malaysian researchers in world-class Korean institutes including KIER and KIST, with full provision of airfare, accommodation, and stipends.

Dr. Nurul Atiqah worked on Direct Methanol Fuel Cell and Hydrogen Electrolyzer integration, producing catalyst ink formulations and Membrane Electrode Assembly (MEA) fabrication — skills at the frontier of hydrogen energy science.

Aligned with SDG 13, SDG 7, and SDG 9, the programme builds APEC-wide scientific capacity through cross-border networks that accelerate knowledge transfer.

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Selected for APEC 2025 Korea Scientist Invitation Program — individual researcher mobility generating institutional and systemic impact across the Asia-Pacific.



COMMUNITY OUTREACH

From Emissions to Solutions: CCDCU Technical Visit Showcasing CO₂ Innovation

FACULTY OF ENGINEERING AND TECHNOLOGY

The Centre for Carbon Dioxide Capture and Utilisation (CCDCU) co-hosted a technical visit with the Institut Kimia Malaysia (IKM) to translate laboratory-scale carbon innovation into real-world industrial opportunity. Thirty-five participants from academia, industry, and government — including UM, UKM, UPM, TARUMT, PETRONAS, and Pantherlab — engaged directly with cutting-edge CO₂ capture and repurposing research.

High-TRL prototypes ready for industrial testing were showcased; successful patent applications confirmed; and long-term stability of novel waste-derived adsorbents demonstrated. Several participants immediately expressed interest in joint grant applications and technology trials.

Aligned with SDG 13, SDG 7, and SDG 9, the visit reflects a core principle: scientific breakthroughs only generate societal impact when academia and industry build the bridges to scale them.

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Engineering students trained in carbon capture and direct air capture — graduates who can connect technical decisions to global climate commitments from day one.



COMMUNITY OUTREACH — CONTINUED

Earth-SOS: ‘The Last Council’ — Student Theatre for Climate Advocacy**FACULTY OF ARTS & SOCIAL SCIENCES**

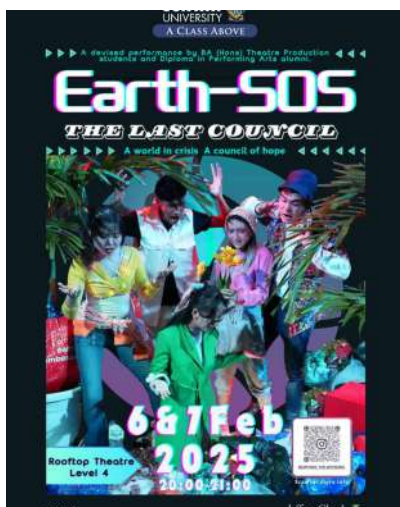
Students from the BA (Hons) in Theatre Production programme and Performing Arts alumni at the Faculty of Arts & Social Sciences (FASS) created “Earth-SOS: The Last Council” — a devised, student-led theatrical performance confronting audiences with the reality of the global climate crisis. The production used the language of theatre to make the abstract urgency of climate change viscerally and personally felt.

The stage backdrop was constructed from collected recyclable and non-recyclable items, translating environmental action from a theme into a material practice.

Aligned with SDG 13, SDG 12, and SDG 15, “The Last Council” exemplifies how the arts are essential to building the cultural will to achieve sustainability — creating emotional experience that data and reports cannot.

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Students from FASS convened for a simulated theatrical performance —building the advocacy and systems-thinking skills the next generation of changemakers.



14 LIFE BELOW WATER



Conserve and sustainably use the oceans, seas and marine resources for sustainable development



SDG 14 · LIFE BELOW WATER

Our Commitment to Life Below Water

Malaysia's coastlines, marine biodiversity, and blue economy are among its most precious and most vulnerable national assets. Sunway University — through IGSC's Malaysia Blue Economy Blueprint and its student and community conservation initiatives — is contributing to the governance and stewardship frameworks that will determine whether Malaysia's ocean resources are protected for future generations.

LOOKING AHEAD

Sunway University will deepen its SDG 14 contribution through expanded Blue Economy research and implementation support, community-based marine monitoring programmes, and the development of educational initiatives that raise marine conservation literacy across Malaysia's coastal communities.

TEACHING & LEARNING

ASEAN Mobility Programme 2025 — Cultivating Student Innovation for Marine Conservation Through 'ASEAN Wave'

During the ASEAN Mobility Programme 2025, Sunway University students collaborated with international peers from across the region to develop 'ASEAN Wave' — an innovative AI-powered ocean monitoring system designed to predict marine disasters and protect vulnerable ecosystems. This project-based learning initiative empowered students to apply cutting-edge technology to real-world environmental challenges, blending data science, environmental knowledge, and collaborative international problem-solving. The programme exemplifies Sunway's commitment to fostering interdisciplinary solutions that balance technological innovation with ecological preservation — and to preparing students who will not merely study the problems facing Southeast Asia's oceans, but actively develop the tools to address them.

Aligned with SDG 14 (Life Below Water), SDG 9 (Industry, Innovation & Infrastructure), SDG 4 (Quality Education), and SDG 17 (Partnerships for the Goals).

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ASEAN Wave is proof that students can build the tools the world needs, if you give them the problem and the space to try.

GOVERNANCE & LEADERSHIP

Exclusive Preview of David Attenborough's 'OCEAN' Documentary – Championing Marine Conservation Through Institutional Leadership

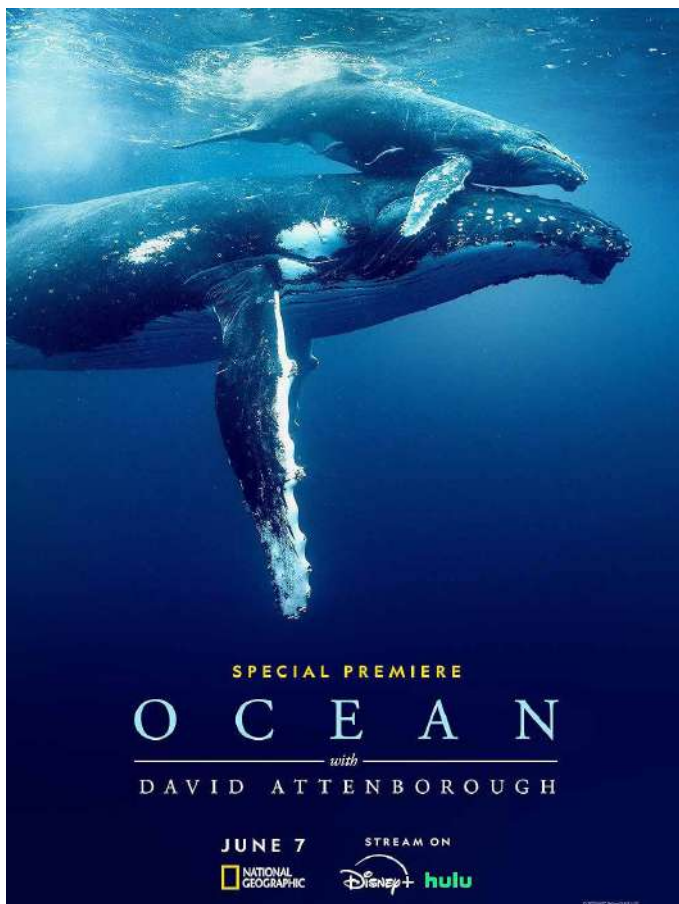
SUNWAY CENTRE FOR PLANETARY HEALTH

Sunway University demonstrated its deep commitment to marine conservation by hosting Malaysia's first exclusive preview of the documentary 'OCEAN' by Sir David Attenborough in June 2025. Organised by the Sunway Centre for Planetary Health, this bold institutional initiative brought critical ocean issues — including coral bleaching, destructive fishing practices, and plastic pollution — to the forefront of campus and community consciousness. The screening served as a powerful platform to educate students, staff, and the wider public about the urgent threats facing marine ecosystems, translating a global environmental emergency into local awareness and personal responsibility. By leveraging the university's institutional reach and reputation to spotlight ocean conservation, Sunway reinforced its role as a sustainability leader in Malaysian higher education — and reminded every person in the room that the ocean's survival depends on choices made on land.

Aligned with SDG 14 (Life Below Water), SDG 13 (Climate Action), and SDG 4 (Quality Education).

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The silence in that room when the coral bleaching sequence played was not just shock — it was every person recognising that these could well be Malaysia's waters, and this is our responsibility.



RESEARCH & INNOVATION

Malaysia Blue Economy Blueprint

SUNWAY INSTITUTE FOR GLOBAL STRATEGY AND COMPETITIVENESS (SUNWAY IGSC)

The Sunway Institute for Global Strategy and Competitiveness (IGSC) led the conceptual design and analytical architecture of the Malaysia Blue Economy Blueprint — a government-commissioned national roadmap developed in partnership with the Ministry of Economy and the Academy of Sciences Malaysia. IGSC's 8R-8i Nature-Centric Ecosystem Framework provides the blueprint's backbone.

The Blueprint spans 5 Guiding Principles, 5 Transformational Shifts, 29 Strategies across 17 Priority Blue Economy Hotspots, and 131 Initiatives with 167 KPIs mapped to lead government agencies with targets through 2040. Developed through engagements with nearly 800 members of government, academia, industry, NGOs, and coastal communities. The Blue Economy was identified in the 13th Malaysia Plan as a vital driver of Malaysia's next development cycle.

Aligned with SDG 14, SDG 8, SDG 2, SDG 7, SDG 12, SDG 13, and SDG 17, the Blueprint measures Malaysia's relationship with its coastal and marine resources not by extraction but by stewardship.

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29 Shifts, 131 Initiatives, 167 KPIs, 800 stakeholders — Sunway's contribution to Malaysia's Blue Economy Blueprint sets the national agenda for ocean prosperity through 2040.



COMMUNITY OUTREACH

Clean Pantai Tanjung Piai — Student-Led Coastal Conservation in Action

SUNWAY STUDENT VOLUNTEERS (SSV) / FACULTY OF ENGINEERING AND TECHNOLOGY

Sunway students are actively protecting marine ecosystems through hands-on conservation action, led by the Sunway Student Volunteers in partnership with relevant academic faculties. The 'Clean Pantai Tanjung Piai' initiative brought student volunteers to one of Malaysia's ecologically significant coastal areas to conduct a structured beach cleanup — removing harmful waste before it can reach the ocean, damage marine habitats, or enter the food chain. Beyond the tonnes of waste removed, the initiative built students' environmental consciousness and their capacity for sustained community action. Through regular engagement of this kind, Sunway University demonstrates that ocean conservation is not only the work of scientists and policymakers — it requires the hands, feet, and commitment of young people willing to show up for their coastlines.

Aligned with SDG 14 (Life Below Water), SDG 15 (Life on Land), SDG 4 (Quality Education), and SDG 13 (Climate Action).

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A beach cleanup makes the problem impossible to ignore — and when you cannot ignore it, you start asking the harder questions where real change begins.

ENGAGEMENT & PARTNERSHIP

Echoes of the Ocean Charity Fun Run 2026

STUDENT LIFE

Organised by the Student Life division in partnership with the Lions and Leos clubs, the Echoes of the Ocean Charity Fun Run 2026 brought together 280 participants — students, staff, families, and the public — in a shared commitment to protecting Malaysia's marine ecosystems and sea turtle nesting grounds.

RM7,500 was raised and directed in equal distribution to three of Malaysia's most credible marine conservation organisations: MareCet (marine mammal research), PULIHARA (terrestrial and marine ecosystems), and SEATRU (Sea Turtle Research Unit, Universiti Malaysia Terengganu). These contributions represent direct operational funding for field research and species monitoring.

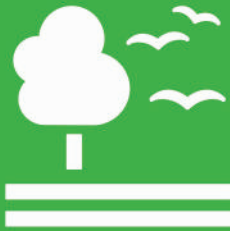
Aligned with SDG 14 (Life Below Water) and SDG 17, the event built an enduring community of conservation advocates — 280 individuals who departed with heightened awareness and personal investment in marine stewardship.

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Echoes of the Ocean charity fun run raising awareness for marine conservation — student-led action connecting campus community to the health of the ocean ecosystems beyond it.



15 LIFE ON LAND



Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, halt and reverse land degradation, and halt biodiversity loss



SDG 15 · LIFE ON LAND

Our Commitment to Life on Land

Sunway University is engaged in some of the most consequential terrestrial conservation and land systems research in Southeast Asia — from Borneo's peatlands and forests to Kuala Lumpur's urban green spaces. Through the Science Panel for Borneo, bioacoustics biodiversity monitoring, and applied agricultural research, the university is building the knowledge foundation for large-scale ecosystem protection and restoration.



LOOKING AHEAD

Sunway University will advance its SDG 15 contribution through the implementation of the Science Panel for Borneo's FY26–FY27 pilot interventions, the scaling of the Kuala Lumpur bioacoustics biodiversity monitoring programme, and the strengthening of community-based conservation partnerships across peninsular Malaysia and the wider region

RESEARCH & INNOVATION

Impact of Social and Behavioural Factors on Food Waste Utilisation for Enhanced Soil Fertility and Crop Productivity in Asian Agriculture

JEFFREY SACHS CENTRE FOR SUSTAINABLE DEVELOPMENT

Led by the Jeffrey Sachs Centre for Sustainable Development (JSC), this flagship long-term research initiative transforms food waste into high-value agricultural inputs through composting, Bokashi fermentation, circular bioeconomy practices, and microplastic environmental research.

Field-tested results: research across six treatment combinations demonstrated 15–25% improvement in plant growth. The waste-to-resource model has the potential to reduce organic waste disposal by 30–40%, while helping farmers reduce chemical fertiliser dependency by 35–45%. More than 120 women agropreneurs and community participants have been engaged. Thousands of rural and urban farmers have been reached through training workshops. The project has contributed to more than 10 national and international conferences.

Aligned with SDG 15, SDG 2, SDG 3, and SDG 12, this initiative exemplifies research that delivers real-world impact for real communities.

“

Research with 120 female agropreneurs reveals how social networks and education determine economic outcomes — evidence that changes policy, not just practice.



RESEARCH & INNOVATION — CONTINUED

Exposing Wildlife Trafficking Networks — Protecting Terrestrial Wildlife Through Research in Partnership with Panthera

JEFFREY SACHS CENTRE FOR SUSTAINABLE DEVELOPMENT

Sunway University is advancing terrestrial conservation through groundbreaking research that exposes the criminal networks threatening Malaysia's biodiversity. In collaboration with Panthera — the global wild cat conservation organisation — this research documents how illegal wildlife trafficking operations exploit Malaysia's transportation networks to smuggle tiger parts and other endangered species across borders. The research provides vital intelligence about trafficking routes, methods, and the connections between wildlife crime and broader organised criminal networks — offering concrete, actionable evidence to support enhanced enforcement and anti-poaching operations. By bringing academic rigour to bear on one of Malaysia's most urgent conservation challenges, Sunway University is contributing directly to the protection of the country's most vulnerable species and their habitats, and to national efforts to uphold Malaysia's obligations under international biodiversity agreements.

Aligned with SDG 15 (Life on Land), SDG 16 (Peace, Justice & Strong Institutions), and SDG 17 (Partnerships for the Goals).

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You cannot protect what you cannot see — this research makes the invisible networks of illegal wildlife trade visible, and gives enforcement agencies something they can actually act on.

RESEARCH & INNOVATION — CONTINUED

Research Collaborations for Urban Green Space Connectivity Using Bioacoustics

SUNWAY CENTRE FOR PLANETARY HEALTH

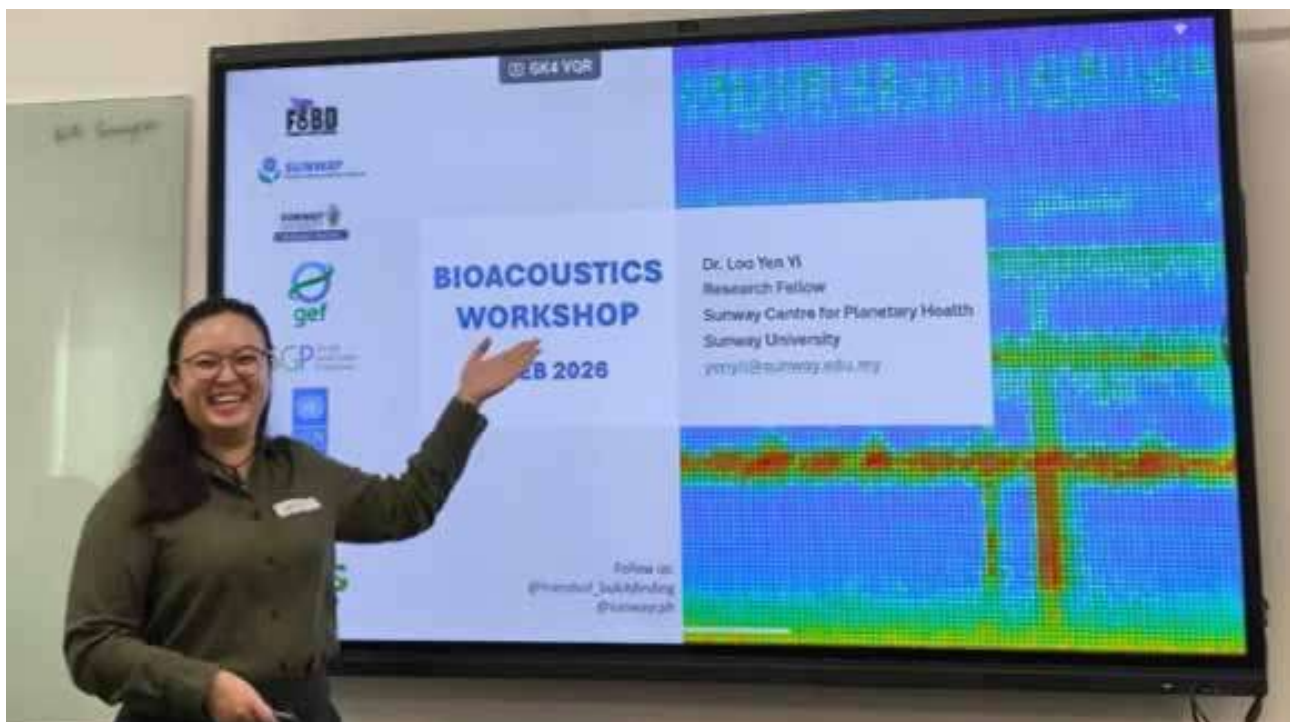
The Sunway Centre for Planetary Health (SCPH), in partnership with Friends of Bukit Dinding, Friends of Bukit Kiara, and the Malaysian Nature Society, is using bioacoustic monitoring technology to assess and document urban biodiversity across Kuala Lumpur's green spaces — building the evidence base needed to advocate for better connectivity between fragmented urban parks.

Capacity-building workshops were delivered for approximately 10 field participants and 31 bioacoustics analysis participants. A living biodiversity assessment document was developed for community-led conservation. Local residents are embedded at every stage of the research process.

Aligned with SDG 15, SDG 3, SDG 11, SDG 13, and SDG 17, the initiative recognises that sustainable cities are those where nature is actively protected and woven into urban life.

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Urban green space research in rapidly urbanising Malaysian cities — evidence informing the design of liveable, climate-resilient communities for the people who inhabit them.



TEACHING & LEARNING

Prune and Prep at Bukit Kiara — Cultivating Conservation Leaders Through Experiential Forest Management

STUDENT LIFE / SUNWAY STUDENT VOLUNTEERS (SSV)

Sunway University transforms environmental education by taking learning beyond the classroom through direct, hands-on conservation action. The 'Prune and Prep at Bukit Kiara' programme engages student volunteers in forest preservation activities within Bukit Kiara — one of Kuala Lumpur's most important remaining urban forests and ecological corridors. Working under expert guidance, students participate in invasive species removal, native habitat restoration, and forest health monitoring — building genuine competence in ecosystem management through practice. The programme demonstrates how academic institutions can bridge theoretical environmental knowledge and real-world conservation action, developing students into effective, committed advocates for terrestrial ecosystem preservation who carry those values forward into their careers and civic lives.

Aligned with SDG 15 (Life on Land), SDG 11 (Sustainable Cities & Communities), SDG 4 (Quality Education), and SDG 13 (Climate Action).

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I left Bukit Kiara feeling responsible for it in a way I never had before — an urban forest is a functioning ecosystem under enormous pressure, and it needs us.

ENGAGEMENT & PARTNERSHIP

FRIM Peatland Management Consultancy — Advancing National Ecosystem Conservation Through Strategic Partnership

FACULTY OF ENGINEERING AND TECHNOLOGY

Sunway University is strengthening Malaysia's ecosystem conservation through a landmark research and advisory partnership with the Forest Research Institute Malaysia (FRIM), where Sunway researchers have been formally appointed as consultants for peatland management. This collaboration leverages the university's expertise in environmental science to address one of Malaysia's most critical conservation challenges: the sustainable management and restoration of peatlands — vast carbon sinks that play an irreplaceable role in biodiversity preservation, water regulation, and climate stability across Southeast Asia. By working directly alongside the country's premier forest research institution, Sunway is translating academic knowledge into practical conservation strategies that protect these vital ecosystems for future generations. The partnership demonstrates how sustained university-research institution collaboration creates impact that no single sector can achieve alone.

Aligned with SDG 15 (Life on Land), SDG 13 (Climate Action), SDG 6 (Clean Water & Sanitation), and SDG 17 (Partnerships for the Goals).

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Translating science into on-the-ground stewardship is where universities earn their place in the world.

16 PEACE, JUSTICE AND STRONG INSTITUTIONS



Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels



SDG 16 · PEACE, JUSTICE & STRONG INSTITUTIONS

Our Commitment to Peace, Justice & Strong Institutions

Sunway University contributes to SDG 16 through research, publication, and policy engagement that strengthen the quality, transparency, and accountability of institutions — from national policy design to media communication standards to the ethical governance of emerging technologies like artificial intelligence.



LOOKING AHEAD

Sunway University will deepen its SDG 16 contribution through the advancement of the ProSocial AI governance framework into national policy dialogue, the development of institutional transparency research in Malaysian media and communications, and the expansion of its public journalism and accountability scholarship.

GOVERNANCE & LEADERSHIP

SDGs for Malaysian States Dashboard — Championing Transparency and Data-Driven Governance

JEFFREY SACHS CENTRE FOR SUSTAINABLE DEVELOPMENT (JSC) / SUSTAINABLE DEVELOPMENT SOLUTIONS NETWORK ASIA (SDSN ASIA)

Sunway University, through the Jeffrey Sachs Centre for Sustainable Development and SDSN Asia, demonstrates institutional leadership in strengthening national governance through the development of the SDGs for Malaysian States Dashboard. Launched in 2024 and regularly updated with official data from the Department of Statistics Malaysia, this innovative platform provides a transparent, internationally recognised assessment of subnational SDG performance across all Malaysian states. By making this data accessible to federal and state government agencies — including the Ministry of Economy and multiple public universities — Sunway fosters evidence-based policymaking and inter-institutional collaboration on a national scale. The dashboard serves as a crucial accountability tool for monitoring Malaysia's progress toward the 2030 Agenda, positioning Sunway University as a key partner in the country's sustainable development journey and a bridge between data analysis, public accountability, and policy action.

Aligned with SDG 16 (Peace, Justice & Strong Institutions), SDG 17 (Partnerships for the Goals), and SDG 10 (Reduced Inequalities).

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Data does not replace political will — but it makes political will impossible to fake.

RESEARCH & INNOVATION

Anti-Corruption Research in Carbon Markets — Safeguarding Climate Action Through Governance Integrity

JEFFREY SACHS CENTRE FOR SUSTAINABLE DEVELOPMENT (JSC)

Sunway University is strengthening global climate governance through pioneering research on corruption risks in carbon markets, conducted in close partnership with Transparency International Malaysia. This collaborative study addresses critical and largely under-examined vulnerabilities in emerging carbon trading systems — developing frameworks to enhance transparency, accountability, and integrity in climate finance mechanisms. By identifying the specific points at which corruption can enter carbon markets and proposing robust governance safeguards, the research helps ensure that these systems effectively deliver climate outcomes without compromising institutional integrity or public trust. The work makes a direct contribution to a more accountable global sustainability architecture — demonstrating that strong environmental governance and anti-corruption rigour are inseparable prerequisites for achieving the Paris Agreement.

Aligned with SDG 16 (Peace, Justice & Strong Institutions), SDG 13 (Climate Action), SDG 17 (Partnerships for the Goals), and SDG 10 (Reduced Inequalities).

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Whether the world's carbon markets deserve the trust we place in them is not a technical question — it is a governance question, and one we can no longer afford to defer.

RESEARCH & INNOVATION — CONTINUED

ProSocial AI for Return-on-Values: Early Foundations for Malaysia and the Global South

SUNWAY INSTITUTE FOR GLOBAL STRATEGY AND COMPETITIVENESS (SUNWAY IGSC)

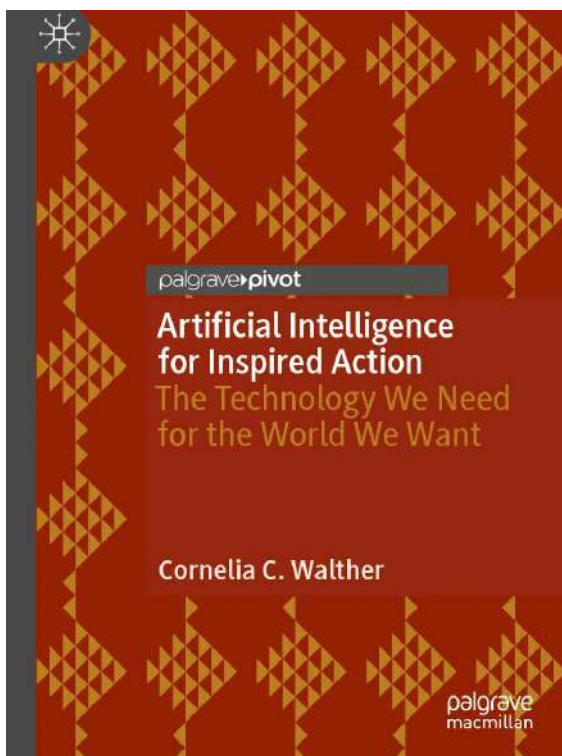
The Sunway Institute for Global Strategy and Competitiveness (IGSC) is developing ProSocial AI — a framework for designing, evaluating, and governing artificial intelligence systems around human dignity, public value, and planetary health. The initiative connects public scholarship on hybrid intelligence, a practical ProSocial AI Index for institutions and governments, and policy collaboration with UNFPA on national ProSocial AI blueprints beginning with Morocco.

A series of articles has been published through Psychology Today. A forthcoming book — “Artificial Intelligence for Inspired Action: The Technology We Need for the World We Want” — has been accepted by Springer/Palgrave Macmillan. The ProSocial AI Index has been highlighted in Knowledge at Wharton.

Aligned with SDG 16, SDG 4, SDG 9, SDG 10, SDG 13, and SDG 17, this initiative asks: not “how do we prevent AI from doing damage?” but “how do we build AI that actively strengthens the conditions for human flourishing?”— a foundational question for the post-2030 development agenda.

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ProSocial AI shifts the question from preventing harm to designing intelligence that actively strengthens human dignity, public value, and planetary health.



ENGAGEMENT & PARTNERSHIP

Jeffrey Cheah Institute Knowledge Transfer Workshops — Strengthening Governance Through Strategic Capacity Building

JEFFREY CHEAH INSTITUTE (JCI)

Sunway University is actively strengthening the foundations of good governance through targeted knowledge transfer initiatives led by the Jeffrey Cheah Institute (JCI). In 2025, JCI conducted three pivotal engagement sessions that directly built institutional capacity across government and civil society: a policy workshop for civil servants and university administrators on evidence-based governance; a specialised course on diplomatic interventions and international negotiation for diplomatic professionals; and a high-level engagement with Malaysia's Minister of Unity to discuss grassroots perceptions of governance and co-design innovative Policy Labs. These sessions equipped participants with practical tools in evidence-based policymaking, diplomatic communication, and community-centred policy design. By bridging academic expertise with the real-world challenges facing policymakers, Sunway is fostering more transparent, accountable, and participatory governance across Malaysian public institutions.

Aligned with SDG 16 (Peace, Justice & Strong Institutions), SDG 4 (Quality Education), SDG 17 (Partnerships for the Goals), and SDG 10 (Reduced Inequalities).

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The JCI workshop gave us something civil service training rarely does: the tools to ask not just whether a programme is being implemented correctly, but whether it is solving the right problem for the right people.

ENGAGEMENT & PARTNERSHIP — CONTINUED

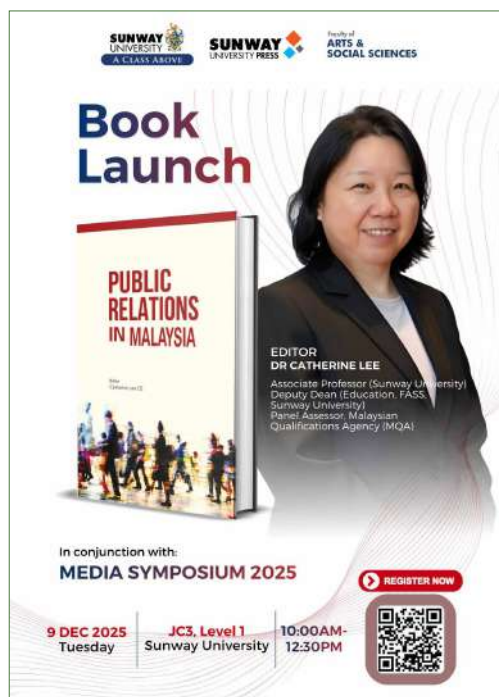
“Public Relations in Malaysia” Launch and Forum — Media Symposium 2025**SUNWAY UNIVERSITY PRESS**

At the 2025 Media Symposium, Sunway University Press launched “Public Relations in Malaysia” — a specialised professional resource elevating the standards of strategic communication practice in the country. A cross-sector forum convened academics, media practitioners, and students in high-level dialogue on the evolving role of public relations in sustaining institutional credibility.

Aligned with SDG 16 (Peace, Justice & Strong Institutions) and SDG 9, the initiative addresses a fundamental democratic challenge: the quality, integrity, and transparency of institutional communication. In an era of misinformation and declining public trust, evidence-based communication practice is a democratic necessity — not merely a professional nicety.

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A locally contextualised PR textbook equipping future communications professionals with evidence-based tools for transparent, accountable institutional communication.



TEACHING & LEARNING

Integrity and Sustainable Development — Building Ethical Foundations Through Compulsory Curriculum

Sunway University's commitment to peace, justice, and strong institutions is embedded directly into every student's academic journey through the mandatory 'Integrity and Sustainable Development' course — a cornerstone of the university's educational framework. This foundational curriculum equips all students with the principles of ethical governance, transparent decision-making, and social accountability, preparing them to become active guardians of institutional integrity in every sector they enter. Through real-world case studies, interactive scenarios, and reflective learning platforms, students develop practical skills for navigating complex ethical challenges and understanding their personal role in upholding just and accountable systems. By requiring every Sunway graduate to have engaged seriously with these principles, the university invests in a generation of principled leaders who will strengthen institutions and advance inclusive, peaceful societies.

Aligned with SDG 16 (Peace, Justice & Strong Institutions), SDG 4 (Quality Education), SDG 8 (Decent Work & Economic Growth), and SDG 17 (Partnerships for the Goals).

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When I was asked to approve a misleading report during my internship, the Integrity course gave me the framework to recognise what was happening and the confidence to say no.

17 PARTNERSHIPS FOR THE GOALS



Strengthen the means of implementation and revitalise the global partnership for sustainable development



SDG 17 · PARTNERSHIPS FOR THE GOALS

Our Commitment to Partnerships for the Goals

Sunway University is ranked #22 globally for SDG 17 in the THE Impact Rankings 2025 — a recognition of its position as Malaysia's most internationally networked university and ASEAN's most active SDG partnership platform. The university hosts the SDSN Asia Chapter and SDG Academy, is an SDG Accord signatory, and has forged research and policy partnerships that span governments, international organisations, NGOs, and universities across six continents.



LOOKING AHEAD

Sunway University will strengthen its SDG 17 contribution through the expansion of international research co-creation platforms, deeper engagement in ASEAN multilateral sustainability policy processes, and the development of new community-industry-academic partnership models that maximise the real-world impact of the university's research and educational programmes.

RESEARCH & INNOVATION

ASEAN Ahead: ASEAN STI Ecosystem Foresight 2035 and Beyond

SUNWAY INSTITUTE FOR GLOBAL STRATEGY AND COMPETITIVENESS (SUNWAY IGSC)

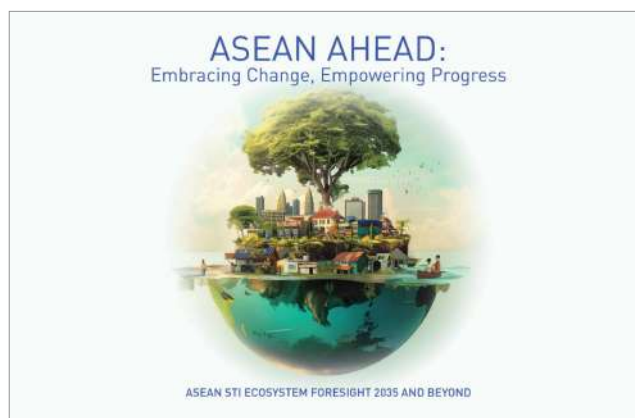
The Sunway Institute for Global Strategy and Competitiveness (IGSC) served as the principal knowledge partner for ASEAN Ahead — the first-ever ASEAN-wide Science, Technology and Innovation ecosystem foresight study, commissioned by the Academy of Sciences Malaysia. IGSC contributed the analytical architecture: the Triple-10 STIE Framework, the 8i Ecosystem Analysis, the 4F Foresight Framework, and the Iterative Foresight Cascade Model.

Engagement spanned 102 representatives, 43 ministries and institutions, 8 focus group discussions across 8 ASEAN member states, and 12 Foresight Research Cohort members. ASEAN Ahead was endorsed by five high-level regional and national councils — including the National Science Council of Malaysia chaired by the Prime Minister — and adopted as the principal reference document for the ASEAN Plan of Action on Science, Technology and Innovation (APASTI) 2026–2035.

Aligned with SDG 17, SDG 9, SDG 8, and SDG 10, IGSC's analytical frameworks now directly influence STI policy across ten member states for the coming decade.

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ASEAN STI foresight study informing regional science, technology, and innovation governance — research shaping the policy frameworks that determine Asia-Pacific's long-term competitiveness.



ENGAGEMENT & PARTNERSHIP

International & National Sustainability Research Collaboration and Capacity Building

FACULTY OF ENGINEERING AND TECHNOLOGY

SCEEST within the Faculty of Engineering and Technology (FET) built strategic research partnerships spanning seven countries — Kazakhstan, UAE, Pakistan, China, Taiwan, Bangladesh, and India — across sustainable energy systems, electrochemical devices, thermal energy storage, and green materials engineering. Activities encompassed research visits, co-authored publications, keynote and guest lectures at international conferences, joint grant applications, and a hands-on capacity-building workshop on battery fabrication and testing.

Postgraduate students were embedded in international research environments, gaining exposure to global scientific standards and building professional networks that extend throughout their careers.

Aligned with SDG 17, SDG 4, SDG 7, and SDG 9, this initiative reflects a conviction that solving global sustainability challenges requires global collaboration.

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Sustainability research gains its greatest force when students, scientists, and institutions collaborate across borders to solve shared global challenges.

Surgical Precision Redefined: Exploring the Future of Robotic Surgeries

FACULTY OF MEDICAL AND LIFE SCIENCES

Post-Basic Perioperative Nursing alumni from the Faculty of Medical and Life Sciences (FMLS) organised an international online Continuing Medical Education (CME) webinar on robotic surgery — covering clinical applications in urology, orthopaedics, and gynaecology, skills required for perioperative nurses working with robotic systems, and implications for patient safety and recovery.

The international format — organised by the Indonesian Society for Vascular and Endovascular Surgery (PESBEVI) — strengthened professional bonds between Malaysian and Indonesian healthcare communities.

Aligned with SDG 3, SDG 4, and SDG 17, the initiative exemplifies how continuing education in healthcare is not a professional courtesy but a patient safety imperative.

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A public lecture series on robotic surgery advances — translating frontier clinical technology into knowledge accessible to students, practitioners, and the wider public.

ENGAGEMENT & PARTNERSHIP — CONTINUED

Planetary Health Annual Meeting 2025: The Planetary Health Transition for Businesses (Panel Discussion)

SUNWAY INSTITUTE FOR GLOBAL STRATEGY AND COMPETITIVENESS (SUNWAY IGSC)

The Sunway Institute for Global Strategy and Competitiveness (IGSC) moderated a panel discussion at the 2025 Planetary Health Annual Meeting in Rotterdam, convening academics and senior industry representatives from textiles and manufacturing to examine how businesses move from purely financial success metrics to broader Return-on-Values (ROV) accounting.

The session drew more than 50 industry leaders, government representatives, and planetary health academics. IGSC's core argument: excluding business from the planetary health conversation is itself part of the problem. Companies control the vectors of production and shape consumption patterns at scale.

Aligned with SDG 12, SDG 8, SDG 9, and SDG 13, the session positioned IGSC as a credible moderating voice in the global conversation on business's role in the planetary health transition.

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The Planetary Health Summit convening international researchers and policymakers — Sunway as a convening force in the global planetary health conversation.



ENGAGEMENT & PARTNERSHIP — CONTINUED

SME ESG Ecosystem Focus Group Discussion Series

SUNWAY INSTITUTE FOR GLOBAL STRATEGY AND COMPETITIVENESS (SUNWAY IGSC)

The Sunway Institute for Global Strategy and Competitiveness (IGSC), in collaboration with the Global Reporting Initiative (GRI), conducted three structured Focus Group Discussions to map the SME ESG ecosystem in Malaysia — identifying barriers, enablers, and priority needs. Forty-seven participants were engaged, representing regulators, financial institutions, training providers, ESG consultants, large corporations, and MSMEs.

The cross-sector design was essential — the barriers facing SMEs on their ESG journey are structural, requiring coordinated responses from regulators, financiers, customers, and support organisations simultaneously. All FGD outputs were consolidated into an internal report shared with stakeholders and grant funders.

Aligned with SDG 12, SDG 8, SDG 13, and SDG 17, the series demonstrates IGSC's commitment to evidence-led capacity building: listening carefully to the ecosystem before designing for it.

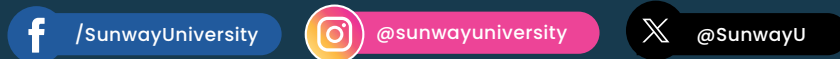
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Focus group discussion mapping ecosystem barriers for SME ESG adoption — listening before prescribing, building the evidence base for systemic small business sustainability support.



A university whose sustainability commitments are lived.

Campus with a Conscience



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