

UNIVERSITY OF CYBERJAYA

SDG IMPACT REPORT 2025

SDG 9: Industry, Innovation and Infrastructure

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

SDG 9 · INDUSTRY, INNOVATION AND INFRASTRUCTURE

Our Commitment to Industry, Innovation and Infrastructure

BUILD RESILIENT INFRASTRUCTURE, PROMOTE INCLUSIVE AND SUSTAINABLE INDUSTRIALISATION AND FOSTER INNOVATION

Universities are at their most useful when their knowledge leaves the campus. At the University of Cyberjaya, we want our research, our laboratories and our people to help companies innovate, help regulators keep technology safe, and help health systems stand up to the crises ahead.

Our commitment to SDG 9 works through partnership. Companies fund our research, hire our consultants and use our laboratories. Our Centre of Biomedical Engineering works with the medical-technology industry and its regulator to bring new devices to patients safely, and our students take their inventions from the laboratory towards the market. And our experts advise national and global bodies, including the World Health Organization, on the infrastructure that keeps health systems running.

This report sets out our goals, the progress we made against them in 2025, and the people and projects behind it.

Our goals

01 RESEARCH THAT INDUSTRY CAN USE
Carry out research on industry, innovation and infrastructure that companies and governments can apply. 9.1

02 TURN IDEAS INTO PATENTS
Protect our inventions and see our research cited in new technology. 9.2.1

03 LAUNCH NEW COMPANIES
Help staff and students turn their innovations into spin-off companies. 9.3.1

04 GROW RESEARCH FUNDED BY INDUSTRY
Increase the research income we earn from industry for every academic. 9.4.1

05 SHARE OUR LABORATORIES
Open our specialist facilities and equipment to companies that need them. 9.4

06 TRAIN THE WORKFORCE
Take our expertise to professionals through courses and knowledge transfer. 9.4 · 4.3.3

07 BUILD SAFER MEDICAL TECHNOLOGY
Work with industry and regulators on medical devices, from design to market. 9 · 3

08 STRENGTHEN HEALTH INFRASTRUCTURE
Help health systems at home and abroad become safer and more resilient. 9 · 17.2.4

KEY FACTS · 2025

2025 at a Glance

In 2025 we earned RM 4.43 million from working with industry, were granted an international patent, and built new partnerships with medical-technology companies, regulators and the World Health Organization.

RM 4.43m
earned from working with industry

RM 1.12m
of research funded by industry, across four projects

RM 3,618
of industry research income per academic

RM 1.71m
from training and knowledge-sharing programmes

1
international patent granted

2
spin-off companies supported

6
consultancy engagements with industry

24
student innovations exhibited at BSEE 2025

42
health professionals trained in systems engineering

Indicator by indicator

REF	WHAT THE ASKS	OUR 2025 POSITION
9.1	Research on industry, innovation and infrastructure	Research with industry on digital infrastructure, solar deployment, healthcare equipment and medical 3D printing
9.2.1	Patents citing our research	One international patent granted in 2025; patent citations of our research are measured by THE
9.3.1	University spin-offs	Two spin-off companies supported in 2025, with a student medical-technology team in pre-incubation
9.4.1	Research income from industry per academic	RM 1,121,500 from four industry-funded projects, or RM 3,618 per academic (310 FTE)
—	Industry use of facilities	RM 518,000 from companies using our laboratories and biomedical devices
—	Consultancy and knowledge transfer	RM 1,080,000 from six consultancy engagements and RM 1,706,732 from training programmes

SECTION 01

01

Working with Industry

Research, consultancy, shared laboratories and training that put our expertise to work for business.

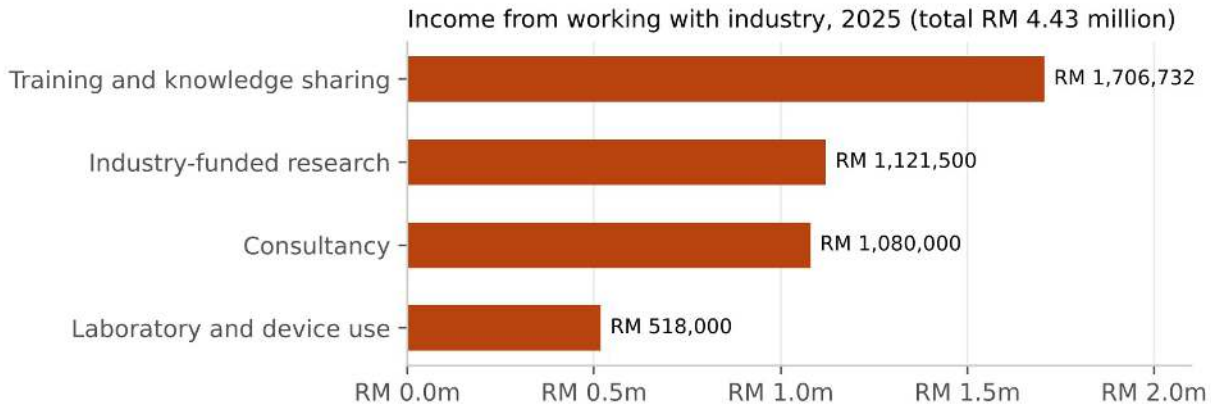
IN THIS SECTION

— *Research That Industry Invests In*
— *Expertise for Industry: Consultancy in 2025*
— *Opening Our Laboratories to Industry*
— *Sharing Knowledge Beyond the Campus*

WORKING WITH INDUSTRY

Research That Industry Invests In

CYBERJAYA · 2025



Industry partners funded four research projects at the University in 2025, worth RM 1,121,500. Each one applies the University's expertise to a practical problem facing a company or a sector.

For NTS, the Faculty of Business and Technology is researching better ways to deploy servers. For Teknobumi, researchers are testing technology to insulate healthcare equipment in a hospital setting. Personal Transformation funded management research on marketing psychology, and Lumarix is funding research on deploying solar generation in higher education.

The projects show how a university best known for health sciences also contributes to digital infrastructure, clean energy and business innovation. The Lumarix project builds on the University's own experience of running a 1.9 MW rooftop solar system, turning campus practice into research that the wider higher-education sector can use.

Factfile

WHEN 2025
WHERE University of Cyberjaya
WITH NTS; Teknobumi; Personal Transformation; Lumarix
VALUE RM 1,121,500 across four projects
LED BY Faculties and research centres
INDICATORS 9.4.1 Research income from industry · 7 Clean energy · 8 Decent work

WORKING WITH INDUSTRY

Expertise for Industry: Consultancy in 2025

CYBERJAYA · 2025

RM 1.08 million

earned from six consultancy engagements with industry

Companies drew on the University's academic expertise through six consultancy engagements in 2025, worth RM 1,080,000, spanning workplace health and safety, healthcare service design, curriculum development and business strategy.

The Occupational Safety and Health programme carried out an industrial hygiene and noise-mapping audit for Special Flagship, and an ergonomic risk assessment and Return-to-Work policy framework for SMRT. Health sciences staff designed optometry services for Strong Catalyst. Academic staff developed a new curriculum and validation partnership with AMSB, and the Faculties of Business and Technology and of Creative Arts and Design wrote a business plan for a new venture and advised on a design campaign for Personal Transformation.

The occupational safety and health work shows expertise reaching the workplace directly: noise maps, hygiene audits and return-to-work frameworks help employers protect their workers and keep them productive.

Factfile

WHEN 2025
WHERE Client workplaces and campus
WITH Special Flagship; SMRT; Strong Catalyst; AMSB; Personal Transformation
VALUE RM 1,080,000 across six engagements
LED BY Occupational Safety and Health; Health Sciences; Business; Creative Arts
INDICATORS 9 Supporting industry innovation · 8 Safe workplaces · 3 Health services

WORKING WITH INDUSTRY

Opening Our Laboratories to Industry

CYBERJAYA · 2025

RM 518,000

earned from companies using our laboratories and devices

Specialist laboratories are expensive to build, and many companies cannot justify their own. In 2025, businesses used the University's facilities for testing, demonstrations and training, generating RM 518,000 in income.

NTS rented a computer laboratory for six months for client demonstrations and seminars. Kuasa Aktif used a science laboratory for two months of testing. Teknobumi rented biomedical devices for product demonstrations, and SMRT used the Occupational Safety and Health laboratory to run ergonomics training for third parties.

Sharing infrastructure in this way keeps laboratories in productive use, gives companies access to equipment they could not otherwise afford, and connects students and staff with industry practice. In 2025 the University was also granted an international patent, adding to the intellectual property available for commercial use.

Factfile

WHEN 2025
WHERE University laboratories, Cyberjaya
WITH NTS; Kuasa Aktif; Teknobumi; SMRT
VALUE RM 518,000
LED BY Faculties and Facilities Management
INDICATORS 9 Shared research and innovation infrastructure · 9.2 Intellectual property

WORKING WITH INDUSTRY

Sharing Knowledge Beyond the Campus

CYBERJAYA · 2025

RM 1.71 million

from training courses, seminars and knowledge-sharing programmes

Training courses, seminars and knowledge-sharing programmes delivered by the University's academics generated RM 1,706,732 in 2025, the largest single source of the University's industry income.

These programmes take expertise from the University's faculties to working professionals and organisations, helping them adopt new practices and technologies. They range from short clinical and health-sciences courses to management and technology seminars, delivered on campus and at clients' own premises.

The University's Centre of Biomedical Engineering added its own knowledge transfer in 2025, from 3D-printing technology with Materialise Malaysia to a medical device awareness programme with the Medical Device Authority. Those partnerships are described in the stories that follow.

Factfile

WHEN 2025
WHERE Campus and client premises
WITH Professionals and organisations across sectors
VALUE RM 1,706,732
LED BY Faculties of the University
INDICATORS 9 Knowledge transfer to industry · 4.3.3 Vocational training · 8 Skills

SECTION 02

02

Biomedical Innovation

Our Centre of Biomedical Engineering working with the medical-technology industry, from 3D printing to the start-up stage.

IN THIS SECTION

— *Printing the Future of Medicine with Materialise Malaysia*
— *Pitching Medical Innovations at INNOMD 2025*
— *Showcasing Biomedical Innovation*

BIOMEDICAL INNOVATION

Printing the Future of Medicine with Materialise Malaysia

CYBERJAYA · JUNE – NOVEMBER 2025

30 students

and nine lecturers trained in medical 3D printing with industry

3D printing is changing how medical devices, implants and surgical guides are designed and made. On 11 June 2025, the University's Centre of Biomedical Engineering (CBME) hosted Materialise Malaysia Sdn Bhd, a specialist in medical 3D printing and software, for a workshop and industrial talk for 30 final-year Bachelor of Biomedical Engineering Technology (BBET) students and nine lecturers.

On 28 August 2025, the partnership moved from training to research. Materialise staff joined all CBME lecturers and the Centre's Director, Associate Professor Dr Nor Kamalia binti Zahari, for a knowledge and technology transfer session on using 3D software to model artificial organs. The two organisations have since agreed on joint final-year projects modelling patient-specific implants, with students given access to Materialise's medical-imaging software licences.

A memorandum of understanding signed in November 2025 sets out joint research on 3D-printed medical models, making CBME Materialise's university partner for biomedical 3D printing in Malaysia.

Factfile

WHEN 11 June, 28 August and November 2025
WHERE Centre of Biomedical Engineering, Cyberjaya
WITH Materialise Malaysia Sdn Bhd
REACH 30 students; nine lecturers
LED BY Centre of Biomedical Engineering
INDICATORS 9 Industry–university technology transfer · 9.4.1 Industry research partnerships

BIOMEDICAL INNOVATION

Pitching Medical Innovations at INNOMD 2025

KUALA LUMPUR · 16–18 JULY 2025

Silver award

for a low-cost, internet-connected infusion monitor designed by students

From 16 to 18 July 2025, CBME was a strategic partner, alongside PERANTIM, of INNOMD 2025 at International Health Week, held at MITEC in Kuala Lumpur. Eight BBET students pitched their medical-device innovations to industry and investors, while 23 more students and nine lecturers visited the exhibition and convention to see the latest medical technology.

Two of the eight pitches were shortlisted, and a low-cost, internet-connected infusion monitor designed by a BBET team won a silver award. For the students, pitching to the people who fund and build medical technology was a first step from the laboratory towards the market.

The winning team has since been invited into a medical-technology pre-incubation programme to develop its prototype further. A BBET student's Best Presenter Award at the Engineering, Science & Technology Exhibition (ESTE 2025) at MAHSA University in February added to the year's recognition of student engineering talent.

Factfile

WHEN 16–18 July 2025
WHERE MITEC, Kuala Lumpur
WITH PERANTIM; International Health Week
REACH 8 pitches; 31 students and 9 lecturers
LED BY Centre of Biomedical Engineering
INDICATORS 9.3 Innovation and spin-offs · medical-technology ecosystem · 8 Entrepreneurship

BIOMEDICAL INNOVATION

Showcasing Biomedical Innovation

CYBERJAYA AND SUBANG · OCTOBER – DECEMBER 2025

24 projects

from rehabilitation aids to low-cost diagnostics, seen by about 400 visitors

CBME took the University's biomedical engineering work to wider audiences in 2025. On 27 and 28 October, it organised the Biomedical Sciences & Engineering Exhibition (BSEE 2025) in the University's Grand Hall. Twenty-four student projects were exhibited, from rehabilitation aids to low-cost diagnostic devices, and around 400 visitors attended, with industry judges selecting the best designs.

On 7 December 2025, six CBME lecturers represented the University as an event partner and exhibitor at the ASEAN Health Symposium 2025, organised by KITA Selangor at the Dorsett Grand Subang Hotel.

The Centre's exhibit drew enquiries from medical-device companies and hospital groups across the region about research and training partnerships, extending the University's network in the regional medical-technology sector.

Factfile

WHEN 27–28 October and 7 December 2025
WHERE Grand Hall, UoC; Dorsett Grand Subang
WITH Industry judges; KITA Selangor
REACH About 400 visitors; regional health-sector delegates
LED BY Centre of Biomedical Engineering
INDICATORS 9 Innovation ecosystem · regional collaboration · 17 Partnerships

SECTION 03

03

Resilient Health Infrastructure

Engineering, regulation and global policy that make health systems safer and better prepared for crises.

IN THIS SECTION

— *Engineering Better Care: Systems Thinking for Health Services*
— *Working with the Medical Device Authority on Safer Medical Technology*
— *Advising the World on Resilient Blood Supplies*

RESILIENT HEALTH INFRASTRUCTURE

Engineering Better Care: Systems Thinking for Health Services

CYBERJAYA · 22–25 SEPTEMBER 2025

42 professionals

from six hospitals and health organisations redesigned their own services

Healthcare is one of the most complex systems a society runs, and engineering methods can make it safer and more resilient. From 22 to 25 September 2025, CBME co-hosted the Engineering Better Care workshop at the University of Cyberjaya with Advance Pact, a UK technical partner, and the Centre for Systems in Health Malaysia, after weeks of joint planning and a site visit.

The four-day workshop introduced a systems-engineering approach to improving how health services are designed and run, from patient flow to the safety of clinical processes. Forty-two participants from six hospitals and health organisations took part alongside CBME's eight lecturers and Director, working in teams on real service-improvement cases from their own workplaces.

Each team left with a redesign plan for one service, and three of the participating hospitals have since asked CBME to support the next stage of implementation.

Factfile

WHEN 22–25 September 2025
WHERE University of Cyberjaya
WITH Advance Pact (UK); Centre for Systems in Health Malaysia
REACH 42 participants from six organisations
LED BY Centre of Biomedical Engineering
INDICATORS 9 Resilient health infrastructure · 17.2.4 International best practice

RESILIENT HEALTH INFRASTRUCTURE

Working with the Medical Device Authority on Safer Medical Technology

CYBERJAYA · 29 SEPTEMBER AND 7 OCTOBER 2025

About 180

students, staff and industry representatives at the Medical Device Awareness Programme

Medical devices are only as safe as the system that regulates them. On 29 September 2025, CBME's Director and eight lecturers met the Medical Device Authority (MDA), the national regulator under the Ministry of Health, to explore research collaboration, including joint research on medical device policy. On 7 October 2025, the University hosted MDA's Medical Device Awareness Programme (Program Kesedaran Peranti Perubatan) in its Grand Hall.

About 180 students, staff and industry representatives attended the programme, which covered how medical devices are registered, monitored once they reach the market, and reported when things go wrong. For biomedical engineering students, it was a direct introduction to the regulatory framework they will work within throughout their careers.

MDA and the University have since agreed on a joint study of post-market surveillance practices among private hospitals, which will inform the regulator's guidance.

Factfile

WHEN 29 September and 7 October 2025
WHERE Grand Hall, University of Cyberjaya
WITH Medical Device Authority, Ministry of Health
REACH About 180 attendees
LED BY Centre of Biomedical Engineering
INDICATORS 9 Regulatory infrastructure for medical technology · 3 Health · 16 Institutions

RESILIENT HEALTH INFRASTRUCTURE

Advising the World on Resilient Blood Supplies

GENEVA · FROM 14 SEPTEMBER 2025

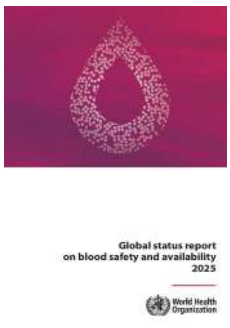
WHO adviser

on blood regulation, availability and safety, 2025 to 2027

A reliable supply of safe blood is critical health infrastructure, and its weaknesses show most in a crisis, when pandemics, disasters or extreme weather create sudden demand for mass transfusion. In 2025, Dr Noryati Abu Amin, a transfusion medicine consultant and academic at the University of Cyberjaya, was appointed by the World Health Organization to its Advisory Group on Blood Regulation, Availability and Safety (AG-BRAS) for a two-year term from 14 September 2025.

In the group, she helps shape the policy frameworks and technical guidance WHO gives countries for managing blood systems, including how to respond to crises requiring mass transfusion. She is a named contributor to two WHO global publications: the Global Status Report on Blood Safety and Availability 2025, and the fifty-eighth report of the WHO Expert Committee on Specifications for Pharmaceutical Preparations (WHO Technical Report Series 1060).

Her work helps health systems build blood supplies that can withstand pandemics, disasters and climate-related emergencies.





Factfile

WHEN Appointed 14 September 2025 for two years

WHO Dr Noryati Abu Amin, transfusion medicine consultant

WITH World Health Organization

OUTPUTS Named contributor to two WHO global reports

LED BY Faculty of Medicine

INDICATORS 9 Resilient health infrastructure · 3.3.1 Global health · 17.2.4 International best practice

University of Cyberjaya

SDG Coordinating Committee

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