



MINISTRY OF HIGHER EDUCATION

# CHARTING GLOBAL HORIZONS:

## Elevating Malaysia HEIs Through Global Connections

Presented by:

**Assoc. Prof. Dr. Mohd Ariffin bin Abu Hassan**

Chair, Malaysian Public Universities International Directors' Committee (JKPA)

Erasmus+ National Focal Point (ENFP) Malaysia

APAIE Executive Committee





MINISTRY OF HIGHER EDUCATION

# DIRECTION FOR 2025

## 7 MAIN FOCUSES

FOCUS 1 : TALENT DEVELOPMENT

FOCUS 2: ACADEMIC AND CAMPUS EXCELLENCE

FOCUS 3: KNOWLEDGE TRANSFER AND SHARING

**FOCUS 4: INTERNATIONALISATION OF HIGHER  
EDUCATION**

FOCUS 5: GOVERNANCE AND LEADERSHIP

FOCUS 6: FINANCIAL SUSTAINABILITY OF IPTs

FOCUS 7: DIGITALISATION



**YB DATO' SERI DIRAJA DR. ZAMBRY ABD KADIR**  
MINISTRY OF HIGHER EDUCATION

# 10 SHIFTS :



MINISTRY OF HIGHER EDUCATION







**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

# WELCOME

to

**Universiti Teknologi Malaysia**

**Innovating Sustainable Solutions**



# UTM Main Campuses



**UTM Johor Bahru**  
**(1145 hectares) – main campus**



**UTM Kuala Lumpur Campus – branch (19 hectares)**



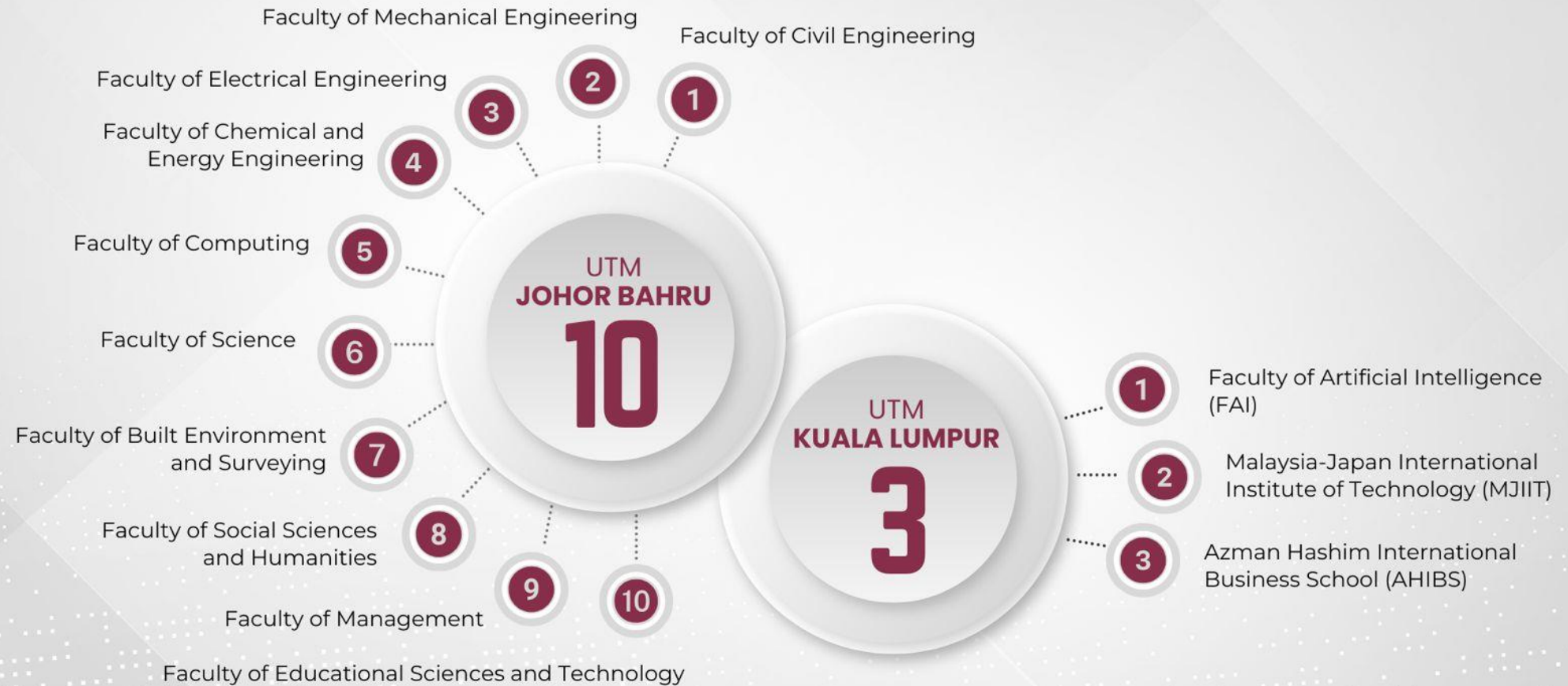
**UTM Campus – Pagoh**  
**Innovation Centre in Agritech for Advanced Bioprocessing (ICA)**



# 13 Faculties



## FACULTIES



Students  
**25,643**

Undergraduate Students

**14,988**

Postgraduate Students

**10,655**

International Students

**5,477**

**85 Countries**





# Research Alliances

## 5 RESEARCH ALLIANCES

Research in UTM are built upon our conventional strength in engineering while exploring other emerging fields.

Resource  
Sustainability

Frontier  
Material

Smart Digital  
Community

Health and  
Wellness

Innovative  
Engineering

### 4 HIGHER INSTITUTION CENTRE OF EXCELLENCE (HICoE)

UTM have four HICoEs in Malaysia

### 7 CENTER OF EXCELLENCE (CoE)

Each our centres of excellence have more specific

### 170 RESEARCH GROUP

The smaller nucleus of our research entries where we encourage working in either single discipline or multi discipline group

### 26 RESEARCH CENTER

26 research centres in UTM

### 6 RESEARCH INSTITUTE

One of the success stories of UTM where we group together reserach centres with similar focus areas





# Our Worldwide Recognitions

## *UTM Global Rankings*

**153<sup>rd</sup>**

**QS WORLD  
UNIVERSITY  
RANKINGS 2025**

**TOP  
100**

**QS WORLD  
UNIVERSITY  
RANKINGS BY  
SUBJECT 2025**

**86<sup>th</sup>**

**TIMES HIGHER  
EDUCATION (THE) ASIA  
UNIVERSITY  
RANKINGS 2025**

**28<sup>th</sup>**

**QS WORLD UNIVERSITY  
RANKINGS 2025 (ASIA)**

- Architecture/Built Environment
- Data Science and Artificial Intelligence
- Engineering-Mineral & Mining

**TOP  
50**

**QS WORLD  
UNIVERSITY  
RANKINGS BY SUBJECT  
2025**

- Engineering-Petroleum

**43<sup>rd</sup>**

**THE IMPACT  
RANKINGS 2024  
SDG9: INDUSTRY,  
INNOVATION AND  
INFRASTRUCTURE**

**5  
★★★★★**

**QS STARS  
RATING SYSTEM  
2022**

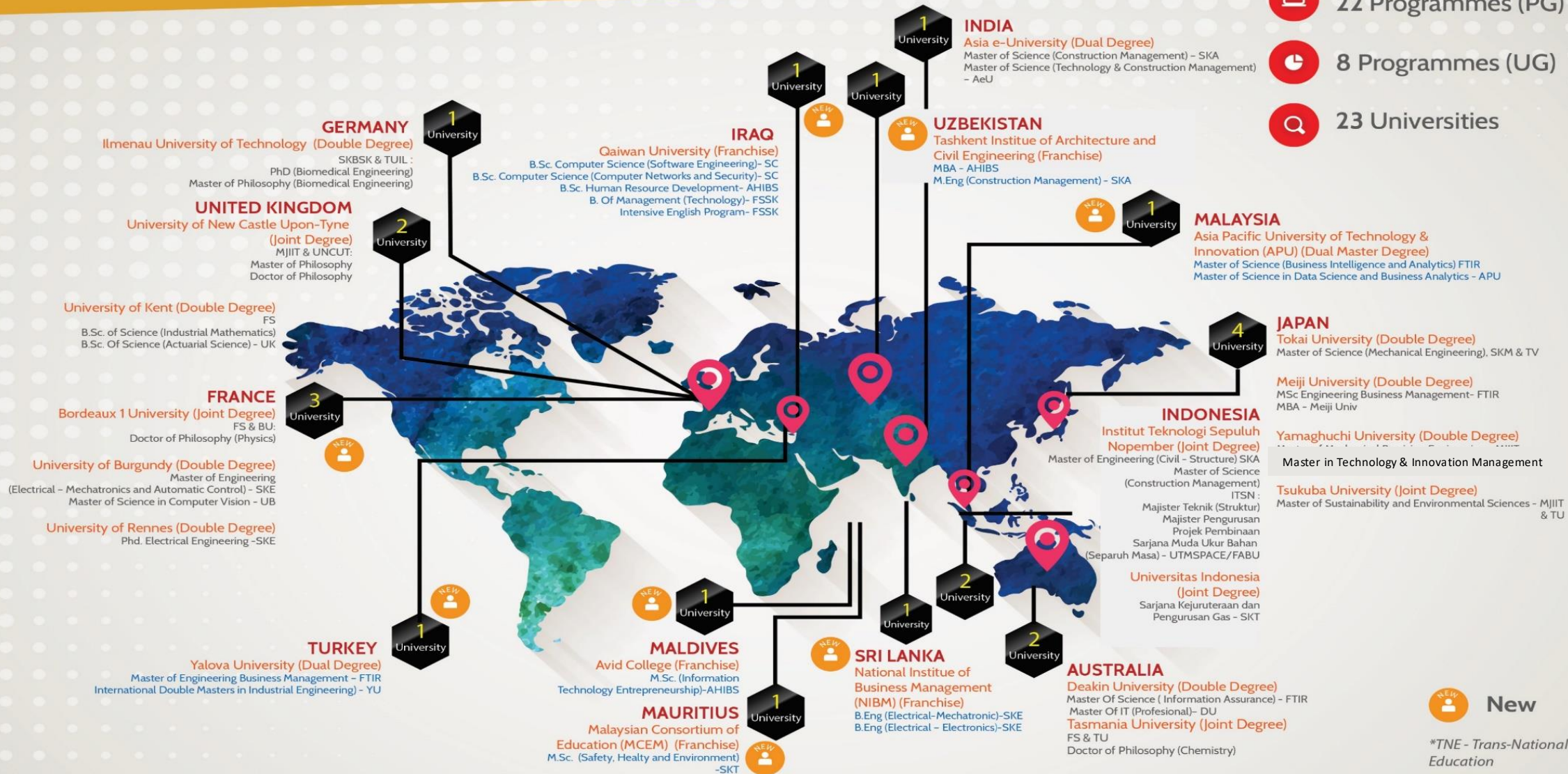
- Teaching
- Employability
- Internalization
- Facilities
- Innovation
- Online Learning
- Specialist Criteria – Petroleum Engineering

*\*Data as of May 2025*

**Innovating Sustainable Solutions**

# UTM Transnational Education (TNE)

-  14 Countries
-  22 Programmes (PG)
-  8 Programmes (UG)
-  23 Universities





# UTM International Partners

(as of June 2025)

## Current Active Partners:

**59** Countries

**302** Partner Institutions

**327** Agreements

### 7 NORTH AMERICA

- Canada
- United States
- Mexico

 UTM has partners

 UTM does not have partners

### 80 EUROPE

- Austria
- Bosnia and Herzegovina
- Belgium
- Bosnia & Herzegovina
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Germany
- Georgia
- Greece
- Ireland
- Kosovo
- Latvia
- Lithuania
- Norway
- Russia
- Romania
- Poland
- Portugal
- Spain
- Sweden
- Switzerland
- Turkiye
- United Kingdom

### EUROPE

### MIDDLE EAST

### ASIA

### 193 ASIA

- Brunei
- Bangladesh
- Cambodia
- China
- Hong Kong
- India
- Indonesia
- Japan
- Kazakhstan
- Lao PDR
- Maldives
- Pakistan
- Philippines
- Singapore
- South Korea
- Sri Lanka
- Taiwan
- Thailand
- Vietnam

### AFRICA

### 9 AFRICA

- Nigeria
- Egypt
- South Africa
- Sudan

### 8 MIDDLE EAST

- Iran
- Iraq
- Oman
- United Arab Emirates
- Saudi Arabia

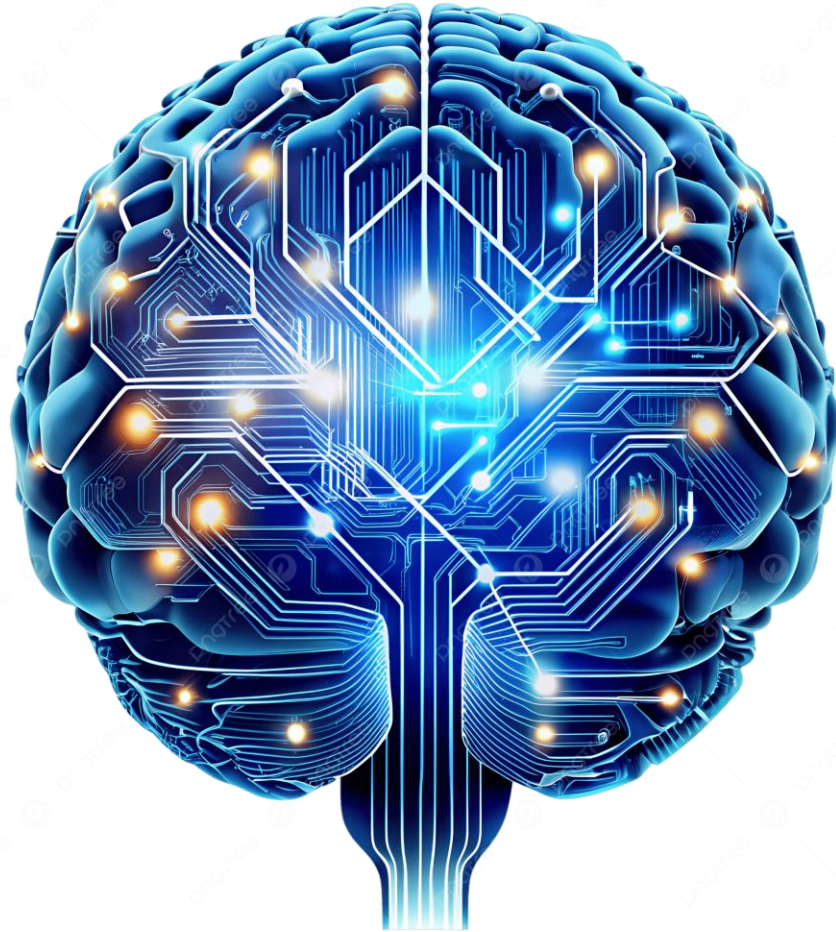
### MALAYSIA

### OCEANIA & NEW ZEALAND

### 5 OCEANIA & NEW ZEALAND

- Australia
- New Zealand

# MALAYSIA ARTIFICIAL INTELLIGENCE CONSORTIUM (MAIC)



Innovating Sustainable Solutions



# National Policy Framework



National 4IR Policy (2021)



MQA Advisory Note 2/2023:  
Use of Technology




National Science, Technology and  
Innovation Policy (2021–2030)



Generative Artificial Intelligence in Higher  
Education



National Artificial Intelligence (AI) Roadmap  
(2021–2025)




The National Guidelines on AI Governance  
and Ethics (2024) – *7 AI Principles*



Malaysian Education Blueprint (2015–2025)  
for Higher Education



AI for the People (AI untuk Rakyat) Initiative



Ministry of Higher Education (MoHE)  
Guidelines on Generative Artificial  
Intelligence (2024)



Impact Study of Artificial Intelligence,  
Digital, and Green Economy on the  
Malaysian Workforce (2024) – *TalentCorp*

# Matters to be Informed

## VISION

Leading Global AI Innovation through a Collaborative  
Nexus Ecosystem

## MISSION

Fostering agile collaborations to advance AI-driven  
economic growth and shared societal prosperity

## OBJECTIVES

1. Strengthening the AI Nexus Ecosystem
2. Developing Industry-Ready AI Talent with a Human-Centric Approach
3. Enriching Inclusive Economic Growth for Societal Well-Being



# Key Strategic Directions for Malaysia Artificial Intelligence Consortium (MAIC)





# THANK YOU



[www.utm.my/international](http://www.utm.my/international)



[relations@utm.my](mailto:relations@utm.my)



UTM International



[utm\\_international](#)



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

In the name of God for Mankind  
[www.utm.my](http://www.utm.my)



Trustworthy · Professional · Innovative



# UNIVERSITI TUN HUSSEIN ONN MALAYSIA



WE ARE RANKED  
#1001-1200  
QS World University  
Rankings | 2024

WE ARE RANKED 801-900  
For World University  
Rankings | 2024

STARS<sup>®</sup> RATING SYSTEM  
Excellent



MD  
Premier Digital  
Tech Institution



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Global Technopreneur  
University 2030

# UNIVERSITI TUN HUSSEIN ONN MALAYSIA

## NICHE AREAS: SUSTAINABLE TECHNOLOGY AND TRANSPORTATION

### QUICK FACTS

- **Established:** 1996 (as Institut Teknologi Tun Hussein Onn - ITTHO)
- **Location:** Parit Raja, Johor, Malaysia
- **Campuses:** Main Campus (Batu Pahat), Pagoh Branch Campus (Muar), Tanjung Laboh Branch Campus

18,660

STUDENTS

13,720

Bachelor Degree

1,416

Master

1,296

Doctorate

2,218

Diploma

1,110

International Students

36

Countries



### ACADEMIC PROFILE & RESEARCH

8

Faculties

4

Centres of Studies

5

Institutes for Research and Consultation

6

Centre of Excellence

27

Centre of Research

119

Focus Group

### PART OF MALAYSIA'S NATIONAL STRATEGIC NETWORK

- UTHM is a member of the **Malaysia Technical University Network (MTUN)**.
- Strengthening TVET and applied sciences nationally, backed by the Malaysia Ministry of Higher Education.

### INTERNATIONAL COLLABORATION

Active International Agreements with partner universities from more than 100 countries.



### RECOGNITIONS & INTERNATIONAL REACH

#### Faculty of Mechanical & Manufacturing Engineering

Mechanical Engineering, Aeronautical, Aircraft Maintenance, Oil & Gas, Plant, Aircraft manufacturing

#### Faculty of Civil Engineering & Built Environment

Civil Engineering, Architecture, Construction, Infrastructure, Transportation and Environment, Geomatics

#### Faculty of Electrical & Electronic Engineering

Electrical Engineering (Power System, Energy, Power Electronics & Drive)  
Electronic Engineering (Communications, Computer, Biomedical, Robotics & AI System, Semicon & IC Design)

#### Faculty of Engineering Technology

Chemical, Civil, Electrical, Electronic, Rail Transportation, Automotive, Manufacturing, OSH, Building Services, Environmental, Constructions, Furniture Design & Manufacturing

#### Faculty of Computer Science & Information Technology

Information Security, Multimedia, Software Engineering, Web Technology, Information Technology

#### Faculty of Technical & Vocational Education

TVET Pedagogy, Vocational Training, Skill Development, Industry Expertise

#### Faculty of Technology Management & Business

Real Estate Management, Construction Management, Production and Operation Management, Technology Management, Furniture Design and Manufacturing

#### Faculty of Applied Sciences & Technology

Applied Physics, Industrial Chemistry, Mathematics Technology, Industrial Statistics, Computational Data Analytics, Food Technology, Biodiversity & Conservation

8  
Faculties



Prospectus

### ABOUT US



UTHM WEBSITE



CORPORATE VIDEO

### INTERNATIONAL OFFICE

Director

Professor Muhammad Ramlee Kamarudin  
director.io@uthm.edu.my

International Engagement

Dr. Mimi Faisyalini binti Ramli  
engage.io@uthm.edu.my

International Mobility & Student Experience

Mrs. Yeoh Li Cheng  
imse.io@uthm.edu.my

International Promotion & Marketing

Ts. Dr. Furzani binti Pa'ee  
globalreach@uthm.edu.my

Visa

Mr. Mohd Harith bin Jalil  
visa@uthm.edu.my

Website: io.uthm.edu.my

• QS Stars Rating System: Five-Star Institution

• Awarded 'Prestigious UNESCO Chair' to promote TVET globally

• The first university in Malaysia to receive OPITO Global Qualifications and Standards for public TVET institution.

• Talentbank Employers' Choice of University 2025: 5-stars in Aerospace & Aeronautical, 5-stars in Automotive



# UTHM International Mobility Programs

Semester Exchange • Research Attachment • Internship • Edutorism • Summer Program • Excursions

## UTHM SEMESTER EXCHANGE - KEY PROGRAMS

### Faculty of Civil Engineering & Built Environment (FKAAB)

- Civil Engineering
- Architecture

### Faculty of Electrical & Electronic Engineering (FKEE)

- Electrical Engineering
- Electronic Engineering

### Faculty of Mechanical & Manufacturing Engineering (FKMP)

- Mechanical Engineering
- Aeronautical Engineering Technology (Flight, Maintenance, Manufacturing)

### Faculty of Technology Management & Business (FPTP)

- Technology Management
- Real Estate Management
- Construction & Production Management

### Faculty of Technical & Vocational Education (FPTV)

- Vocational Education (Electric & Electronic, Catering, Building & Construction, Multimedia Creative)
- Technical Teacher Education

### Faculty of Computer Science & Information Technology (FSKTM)

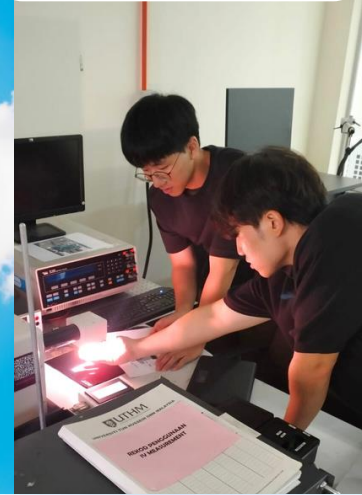
- Information Technology
- Computer Science (Software Engineering, Information Security, Multimedia, Web Tech)

### Faculty of Applied Sciences & Technology (FAST)

- Food Technology
- Biodiversity & Conservation
- Applied Physics, Industrial Statistics, Mathematics Technology

### Faculty of Engineering Technology (FTK)

- Civil Engineering Technology (Environmental / Construction / Building Services)
- Mechanical Engineering Technology (Automotive / Manufacturing / Rail Transportation)
- Occupational Safety & Health







**KERATON MBAH ANANG**  
A unique gateway to our rich javanese heritage

**HOMESTAY SANTAI D'SAWAH**  
Nestled in the heart of Sungai Balang's lush paddy fields, offering a peaceful rural experience.

**RUANG DAYA CIPTA MUAR**  
Witnessing creativity and collaboration strengthen our local social innovation ecosystem.

**KOPERASI SAWAH SUNGAI BALANG**  
Inspires the spirit of modern and sustainable farming in future generations.

**HOMESTAY SARANG BUAYA**  
Immerse you in our authentic village lifestyle

**D'IMPIAN AGRO FARM**  
Promises an enjoyable, hands-on farm life experience with our friendly locals.





# UTHM STRENGTH

Amanah · Profesional · Inovatif



**Universiti Tun Hussein Onn Malaysia**  
dianugerahkan

**Kursi UNESCO**

bagi 'TVET Educator Competence and Transversal Skills  
for Professional Development'

untuk tempoh  
**4 tahun bermula pada 2025 sehingga 2029**

## UTHM as the UNESCO Chair on TVET Educator Competence and Transversal Skills for Professional Development (2025–2029)

- UTHM has been awarded the prestigious **UNESCO Chair** to promote excellence in **Technical and Vocational Education and Training (TVET)** globally.
- The Chair focuses on enhancing **educator competence, innovation, and transversal skills** to support sustainable human capital development.
- It strengthens UTHM's international reputation as a **leader in TVET education and professional development**.
- The initiative aligns with UTHM's aspiration to become a **Global Technopreneur University by 2030**.





# UTHM STRENGTH

## Fraunhofer Innovation Laboratory (in collaboration with Fraunhofer IEM, Germany)

- Supports applied research and innovation through training, workshops, and projects in Industry 4.0, automation, and smart manufacturing.

### Fraunhofer Innovation Laboratory



## Niche Area: Sustainable Technology and Transportation – Aviation Hub and Airport Development at Tanjung Labuh

- A developing hub focusing on aviation technology, training, and infrastructure development

### Airport Development at Tg Labuh



### Aviation Hub



## TYPE OF COLLABORATIONS



- **184 outbound**
- **105 inbound**

Partner: Universitas Brawijaya, Korea University of Technology & Education, Korea, Rajamangala University of Technology Lanna, Thailand

### Staff Mobility



- **32 Staff**

Partner: Shizuoka University, Japan, Nanyang Technological University, Singapore, Liming Vocational University, Fujian, China.

### Student Mobility

### Internship Placement

### Academic & Research Programme



- **4 Academic & Research Programme**

Partner: Nagoya Institute of Technology, Japan University of Waterloo, Canada, Universitas Riau, Indonesia



- **36 Internship Placement**

Partner: Transaxis Energy Ltd. | National Energy Corporation Of Somalia | Al Fayoum Food Industries Company



# Internationalisation Key Targets of UTHM

1

Strengthen global strategic partnerships with universities, industries, and agencies

2

Enhance international student enrolment through targeted promotions and collaborations

3

Expand mobility programmes for students and staff, including non-academic

4

Increase joint / dual / double degree programmes with international institutions

5

Empower UTHM alumni abroad to support student recruitment and networking

6

Promote Edu-tourism and Summer School as part of global outreach initiatives

7

Advance UTHM Go Global initiatives to strengthen visibility in Europe, BRICS, and Central Asia



اوپنورسیتی ملیسيا فہم السطان عبد اللہ  
UNIVERSITI MALAYSIA PAHANG  
AL-SULTAN ABDULLAH

# UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH (UMPSA)

Engineering. Technology. Creativity.



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www.umps.edu.my

TEKNOLOGI  
UNTUK  
MASYARAKAT





# UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH



Public  
University

Advanced  
TVET Hub



#609

QS WORLD  
UNIVERSITY  
RANKINGS

8

Faculties

4

Centres

1

Teaching Factory

74

Academic  
Programmes

>10

Research Centres



16,647

Total Students

14,474

Undergraduate

1,680

Postgraduate

570

International  
Students

36

Countries

820

Academic Staff (43  
Professors)



48,352

Total Alumni

# DUAL-DEGREE PROGRAMME



B.Eng. with Honours Civil Engineering, 2020  
B.Eng. with Honours Mechanical Engineering, 2020  
B.Eng. with Honours Electrical Engineering, 2020



Bachelor of Chemical  
Engineering with Honours, 2022

Kazakh National  
Agrarian Research University



Bachelor of Applied Science in Industrial  
Biotechnology with Honours, 2022



Hochschule Karlsruhe  
University of  
Applied Sciences



B.Eng. with Honours Mechatronics Engineering, 2010  
B.Eng. with Honours Automotive Engineering, 2012  
B.Eng. with Honours Electrical (Electronics) Engineering, 2022



Hochschule Reutlingen  
Reutlingen University

Bachelor of Business Engineering with  
Honours, 2015

Technische Hochschule  
**mannheim**

Bachelor of Business Engineering with Honours, 2024  
B. Eng Chemical Engineering with Honours, 2025



**NEW PROGRAMME**



Collaboration with the  
Faculty of Computing

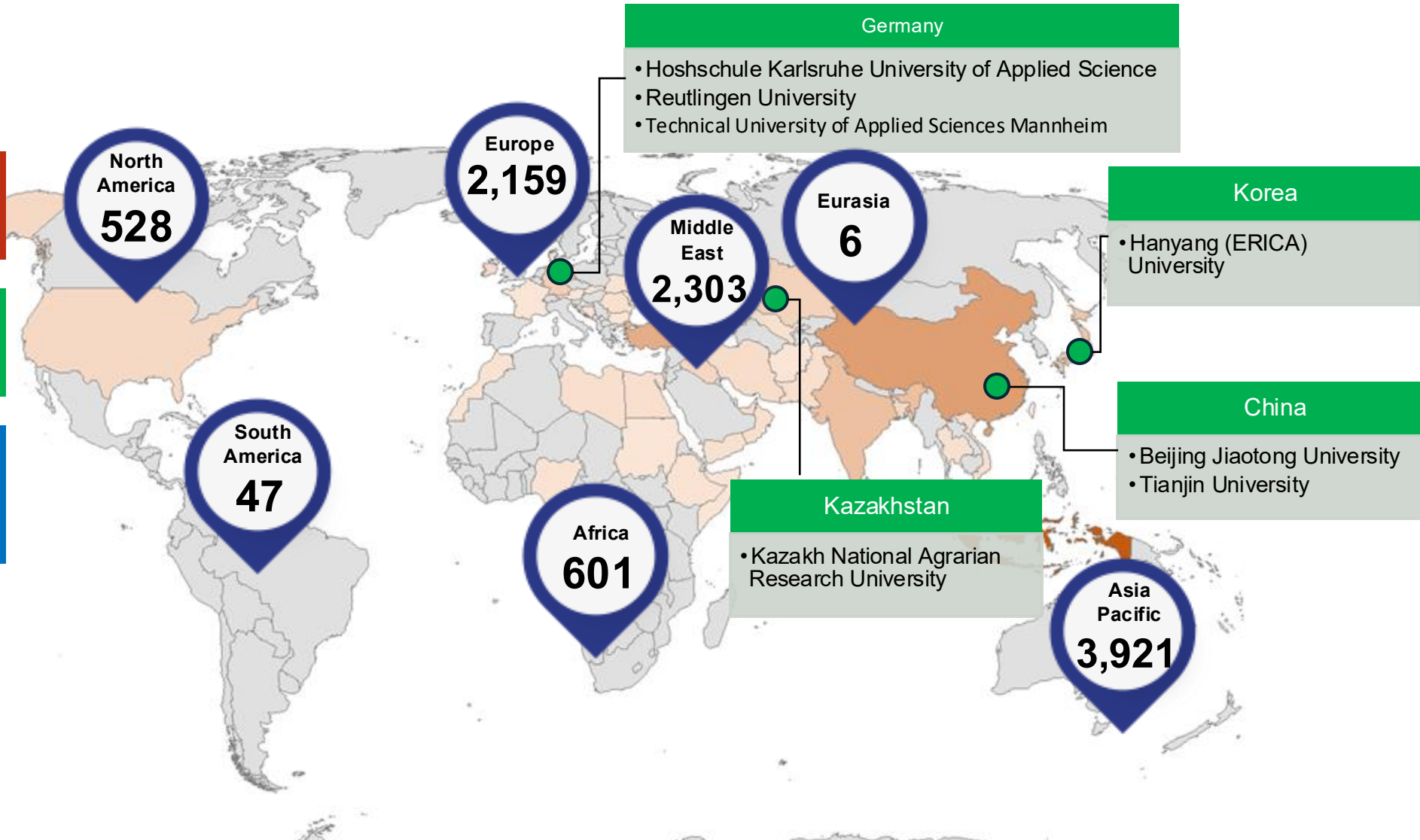


# INTERNATIONALISATION

**313** Partners from  
48 Countries

**11** Dual Degree Programs  
from 4 Countries

**>9500** International  
Co-Authorship  
2005-2025



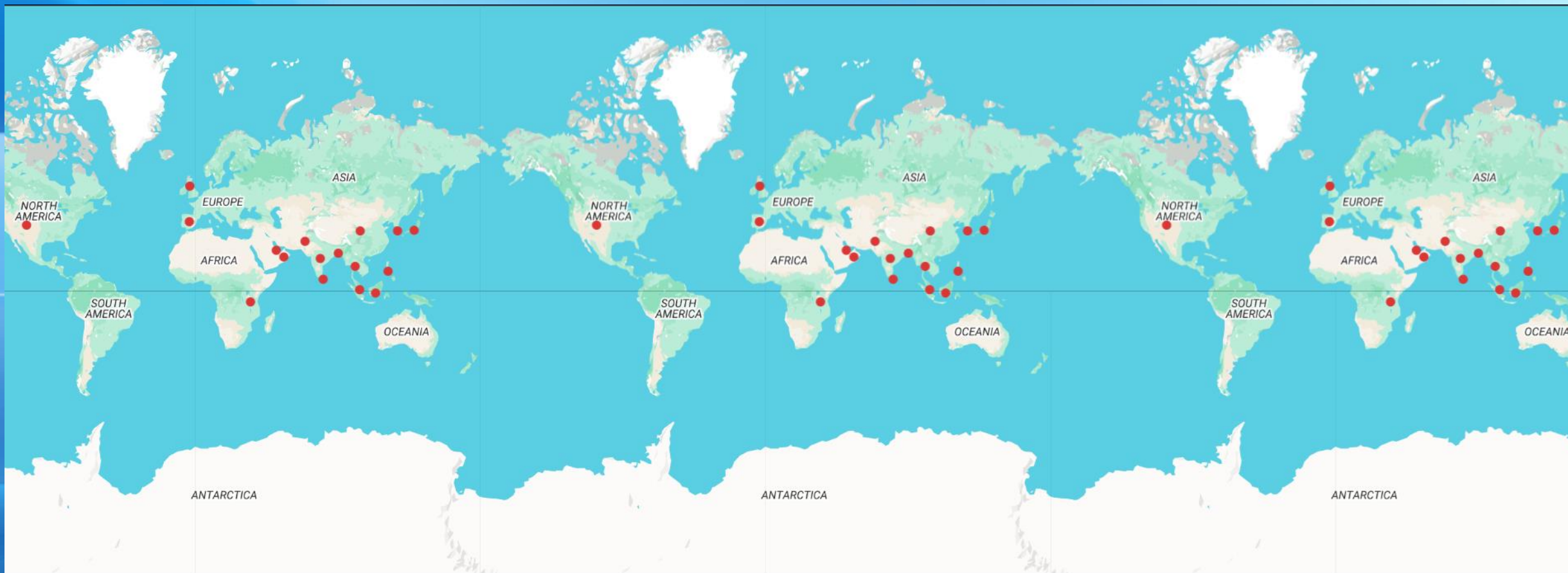


اونيورسيتي مليسيا قهق السلطان عبدالله  
UNIVERSITI MALAYSIA PAHANG  
AL-SULTAN ABDULLAH

# GLOBAL CLASSROOM REPORT 2025

*\*This report is generated based on data submitted via Form B.*

**FLEXMC**  
UMPSA  
FLEXIBLE LEARNING & MICRO-CREDENTIAL CENTRE



**TOTAL UMPSA STUDENTS**

3,585



**TOTAL FOREIGN STUDENTS**

396

**TOTAL GLOBAL CLASSROOM**

76



WE ARE RANKED  
#1001-1200  
QS World University  
Rankings | 2025



WE ARE R  
For World Uni

in | UTHM TV  
OR [www.uthm.edu.my](http://www.uthm.edu.my)



Global Technopreneur  
University 2030



# POTENTIAL COLLABORATION WITH CANADA INSTITUTIONS



Collaborative Online  
International Learning and  
joint research supervision



Staff and student mobility



Technology transfer and  
joint research collaboration



Applied TVET training and  
industry-based program



**McGill**  
UNIVERSITY



**SAIT** Southern Alberta  
Institute  
of Technology



**POLYTECHNIQUE  
MONTREAL**  
  
UNIVERSITÉ  
D'INGÉNIERIE



UNIVERSITY OF  
**TORONTO**



**BCIT**™  
BRITISH COLUMBIA  
INSTITUTE OF TECHNOLOGY



**OntarioTech**  
UNIVERSITY



**UBC**  
THE  
UNIVERSITY OF  
BRITISH  
COLUMBIA



UNIVERSITY OF  
**ALBERTA**



# Centre for Technology Excellence Sarawak (CENTEXS)

## Institution Highlights

- provide industry-based competency training with talent and skills development
- providing skilling, re-skilling and up-skilling training programmes for school leavers, industry workers and university graduates to meet the workforce needs by many industries
- developed Technology Testbeds to validate for new technologies, processes, or solutions before full-scale implementation

## Programs Offered (International & Local Industry-based Certification)

- Energy, Agriculture, Construction, Hospitality & Tourism, Lifestyle & Heritage, Environmental Sustainability
- Digital Hardware/Telecommunication, Big Data, Data Analytics, Artificial Intelligence, Software, Immersive Technologies, Internet of Things, Industry 4.0, Robotics, Automation, Microelectronics, Digital Marketing, Cloud & Data Cyber Security and Blockchain, Green Energy and Aerospace

## Internationalization Perspectives

- Priority partner countries :
- Green Mining/Quarrying, Automation, Artificial Intelligence, Robotics, and Smart Technologies
- Active agreements : Huawei, Solarvest, Keysight, Bosch Rexroth, AWS, SMD, Melexis, Synopsis, RSK Group, TWI, IRATA and many more

## Priorities and Opportunities for Partnerships with Canada

- Academic Exchange: Trainings related to Green Mining/Quarrying, Automation, Artificial Intelligence, Robotics, and Smart Technologies
- Key principles and Facilities : related to Sustainable Mining/Quarrying, including mine management, slope monitoring, and waste and water management laboratories



## Contact:

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