



Datuk Dr. Mary Yap Kain Ching

*Deputy Minister of Higher Education
Ministry of Higher Education Malaysia*



***Developing Policy in a
Fast Changing,
Increasingly
Technology
Influenced World:
Malaysia's
Experience***

EDUCATION WORLD FORUM

Park Plaza Westminster Bridge Hotel, London | 24 January 2018

OUTLINE OF PRESENTATION

1



**Malaysian Higher
Education
Landscape**

2



**Policies &
Redesigning
Higher
Education**

3



**Higher Education
4.0 Framework**

4



Conclusion

An aerial photograph of Kuala Lumpur, Malaysia, featuring the Petronas Twin Towers and the Kuala Lumpur Tower. The image is overlaid with a dark blue grid pattern. A white rectangular box is centered over the towers, containing the text 'MALAYSIAN HIGHER EDUCATION' in large, bold, white capital letters, and 'Landscape' in smaller, white lowercase letters below it.

MALAYSIAN HIGHER EDUCATION

Landscape

HE Landscape

20 PUBLIC IHLs 480 Private IHLs

5 Research Universities 53 Universities
11 Comprehensive Universities 37 University Colleges
4 MTUN (TVET) 10 Branch Campuses
380 Colleges

36 Polytechnics 95 Community Colleges



INTERNATIONALISATION



International Branch Campuses and Collaborations. Towards becoming an international higher education hub



**1.253
million**
STUDENTS

170,000+
**INTERNATIONAL
STUDENTS**
(as at 2017)

150+
NATIONS



ACHIEVEMENTS & SUCCESS STORIES





U21 RANKING

OF
NATIONAL HIGHER EDUCATION SYSTEMS

36(2012) → 25 (2017)

CONTINUOUS IMPROVEMENT

11 PLACES

WITHIN 6 YEARS

25
2017

27
2016

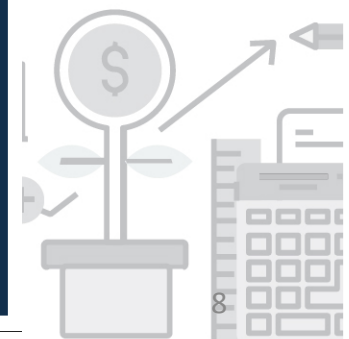
28
2015

28
2014

27
2013

36
2012

U.





Congratulations!



**UNIVERSITY
OF MALAYA**



**BEST
GLOBAL
UNIVERSITIES**
FOR ENGINEERING

"University of Malaya (UM) has been placed
at the impressive 10th position among global
universities in Engineering."
#SoaringUpwards











BEST UNIVERSITIES IN ASEAN

5 out of 8

Malaysia Research Universities

(3,4,5,7 & 8)

- 1  NANYANG TECHNOLOGICAL UNIVERSITY
- 2  NATIONAL UNIVERSITY OF SINGAPORE (NUS)
- 3  UNIVERSITI MALAYA
- 4  UNIVERSITI PUTRA MALAYSIA
- 5  UNIVERSITI KEBANGSAAN MALAYSIA
- 6  CHULALONGKORN UNIVERSITY
- 7  UNIVERSITI TEKNOLOGI MALAYSIA
- 8  UNIVERSITI SAINS MALAYSIA



A.



MALAYSIAN UNIVERSITIES

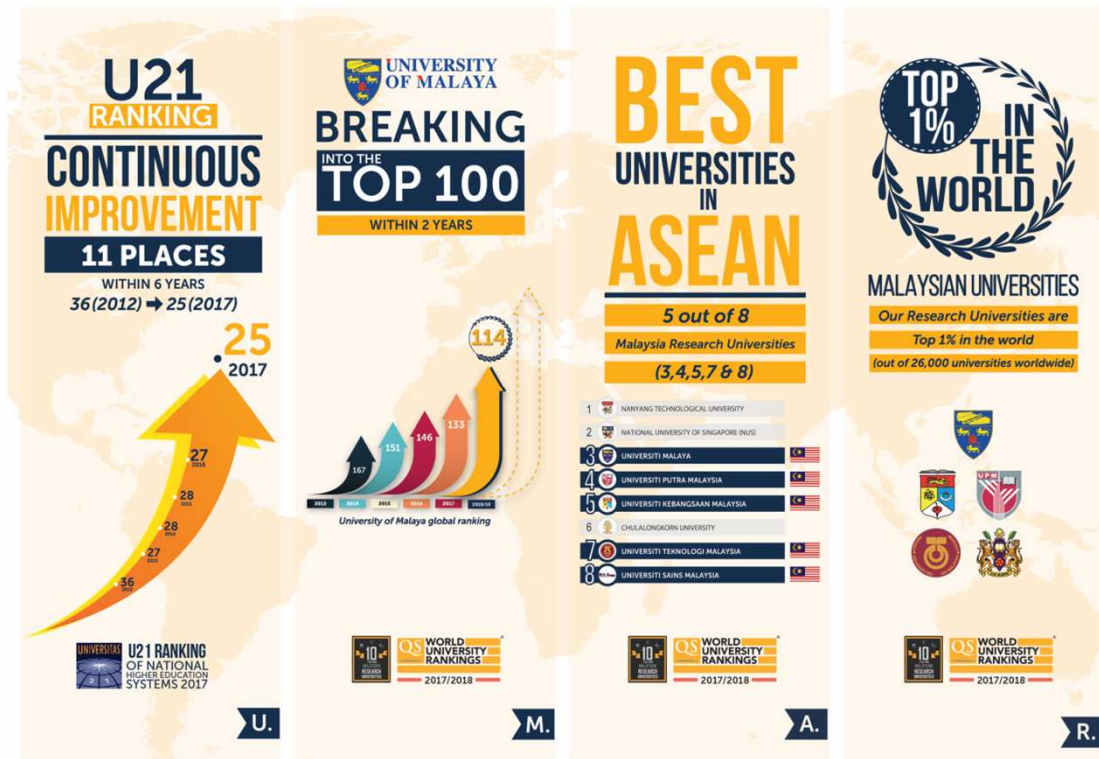
Our Research Universities Are

Top 1% in the world

(out of 26,000 universities worldwide)

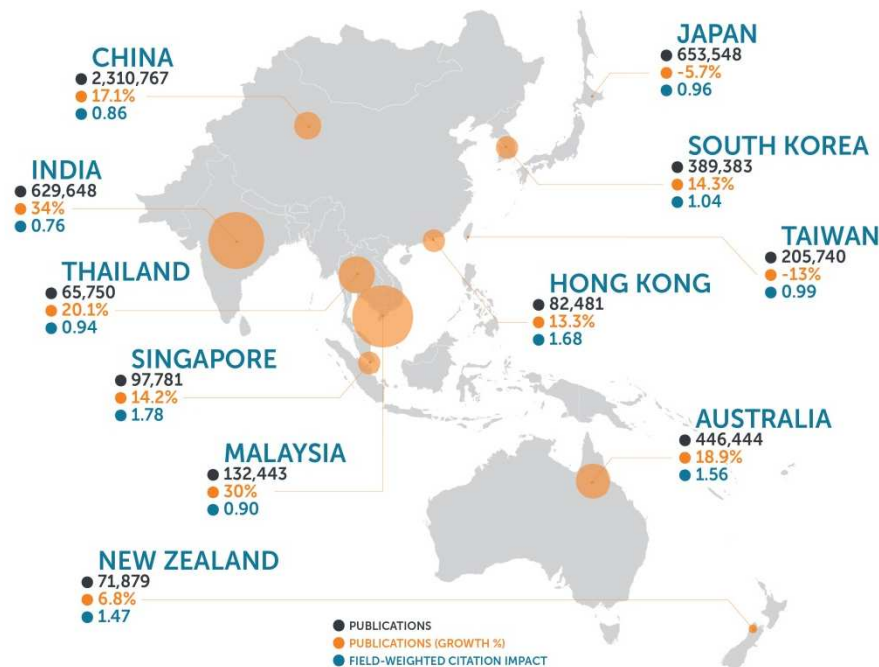


R.





MALAYSIA
Grew By
7.2%
Annually
From 2012-2016







THE WORLD'S MOST INFLUENTIAL SCIENTIFIC MINDS 2017

Ranking in the top 1% by citations for field and publication year in Web of Science, Highly Cited Researchers are leading the way in solving the world's biggest challenges

 <p>Prof. Dr. Abdul Latif Ahmad Chemical Engineering USM APEX</p>	 <p>Prof. Dato' Ir. Dr. Wan Ramli Engineering Universiti Kebangsaan Malaysia</p>	 <p>Prof. Dr. Basim H. Hameed Chemical Engineering USM APEX</p>	 <p>Prof. Dr. Siti Karom Kamsudin Engineering Universiti Kebangsaan Malaysia</p>	 <p>Prof. Ir. Dr. Masjuki Hagi Hassan Engineering UNIVERSITY OF MALAYA</p>
 <p>Prof. Dr. Alias Abdul Karim Agricultural Sciences USM APEX</p>	 <p>Prof. Dr. Teuku M. Mahlia Engineering UNIVERSITY OF MALAYA</p>	 <p>Associate Prof. Dr. Md. Abdul Kalam Engineering UNIVERSITY OF MALAYA</p>	 <p>Prof. Dr. Bismillah Computer Science UPM</p>	 <p>Prof. Dr. Saikur Rahman Engineering SUNWAY UNIVERSITY</p>



An aerial photograph of a city skyline at dusk or dawn. The sky is a mix of orange, yellow, and dark blue. In the foreground, a complex multi-level highway interchange with several overpasses is visible, with light trails from vehicles. The city skyline in the background features various skyscrapers, including a prominent white building with a large archway on the left. The overall image has a dark, textured overlay.

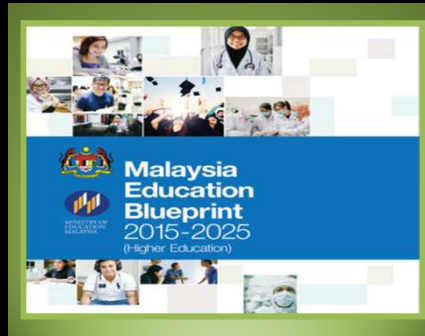
POLICIES & INITIATIVES: REDESIGNING HIGHER EDUCATION

2007 ● **2015** ● **2017** ● **2018**



National Higher Education Strategic Plan Beyond 2020

7 Thrusts



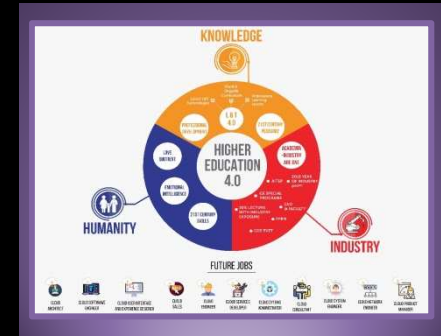
Malaysia Education Blueprint 2015- 2020 (Higher Education)

❑ 10 Shifts



Redesigning Higher Education

7 Initiatives



Higher Education 4.0

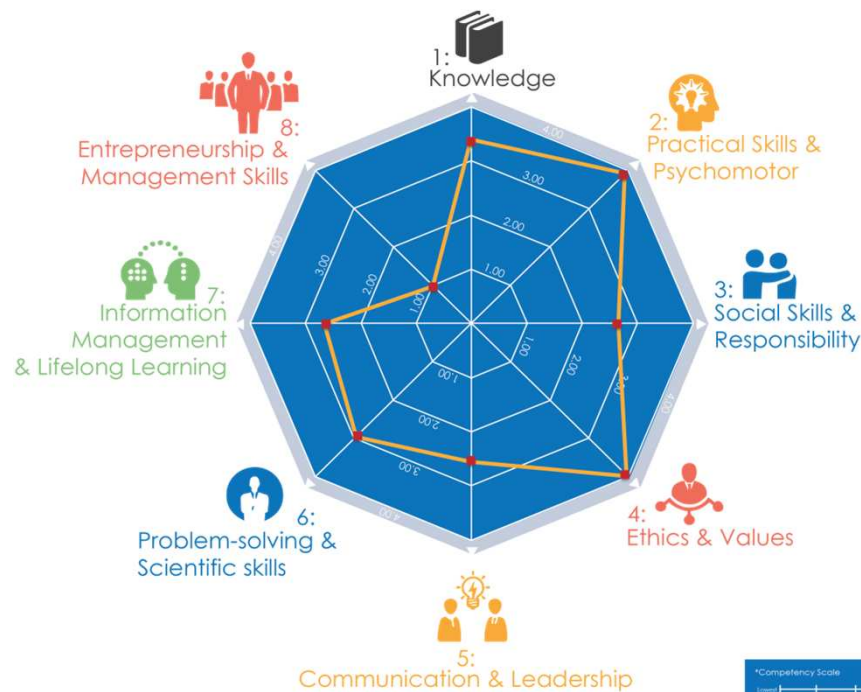
❑ 3 Elements







Integrated Cumulative Grade Point Average or iCGPA.



20
UNIVERSITIES

18
POLYTECHNIC

15
COMMUNITY COLLEGE





- ✓ 2 Years in University, 2 Years in industry
- ✓ Intensify industry exposure to create workforce ready graduates.

2017/18 ACADEMIC SESSION: 7 UNIVERSITIES 22 PROGRAMMES

Universities:



Industry Partners:





- 72 CEOs
- 1500 hours
- 200 events
- 92000 students & lecturers benefitted



Massive Open Online Courses

254
MOOCs


427,300
Students in Malaysia

76,000
Enrolments from overseas in
Malaysia MOOC
(UA, IPTS and Polytechnics)
From over 170 Countries





***Accreditation of Prior Experiential Learning
(Enculturing Lifelong Learning)***

The background of the slide features a dark, textured image of two hands shaking in a firm grip. Overlaid on this is a glowing blue circular graphic with concentric rings and a grid pattern, resembling a digital or technological interface. The overall aesthetic is modern and tech-oriented.

“

HIGHER EDUCATION 4.0



In 2017, the Ministry of Higher Education Malaysia embarked on a year-long effort to better understand 4IR and its impact on higher education.





MINISTER OF HIGHER EDUCATION MANDATE 2018

HIGHER EDUCATION 4.0

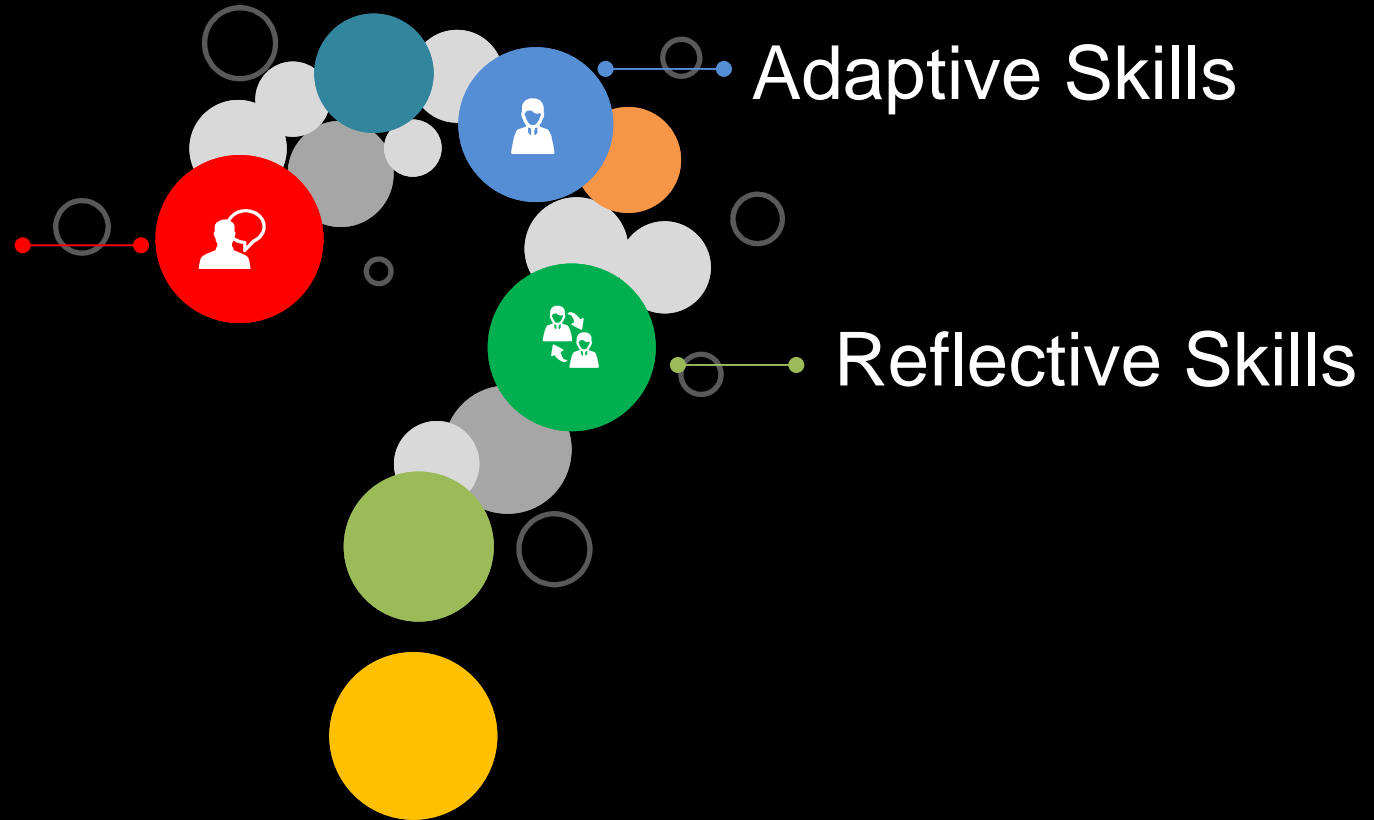
KNOWLEDGE

INDUSTRY

HUMANITY

Challenges

Awareness
and
Readiness



LEARNING & TEACHING 4.0



REDESIGNING LEARNING SPACES



FLUID & ORGANIC CURRICULUM

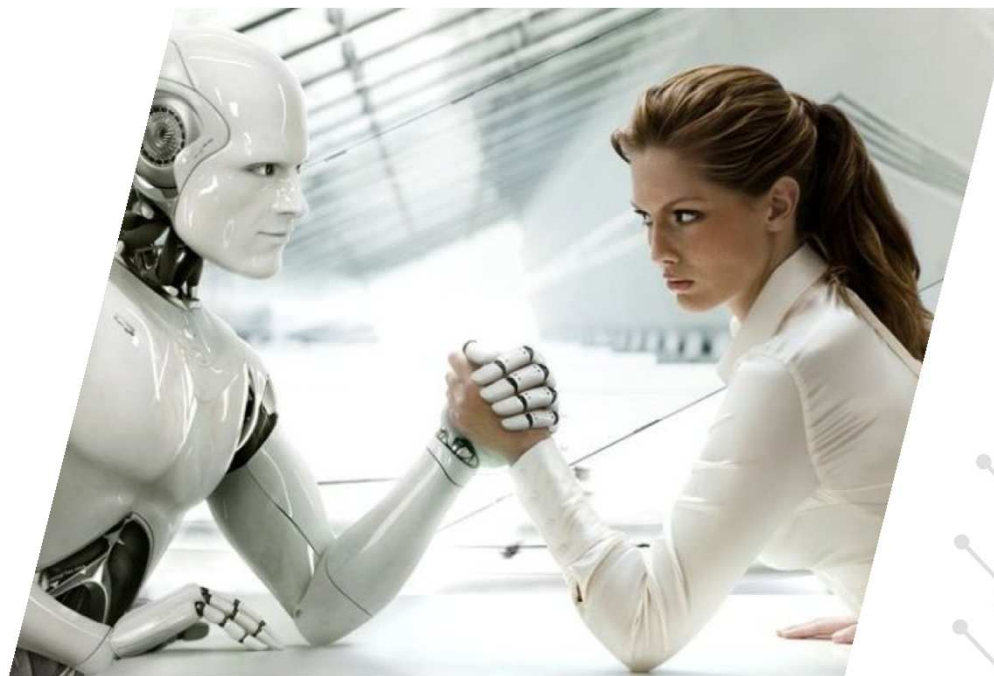


21ST CENTURY PEDAGOGY



LATEST L&T TECHNOLOGIES

AWARENESS & READINESS



ADAPTIVE SKILLS

21st Century Pedagogy



HEUTAGOGY
(Self determined learning)



PARAGOGY
(peer-oriented learning)

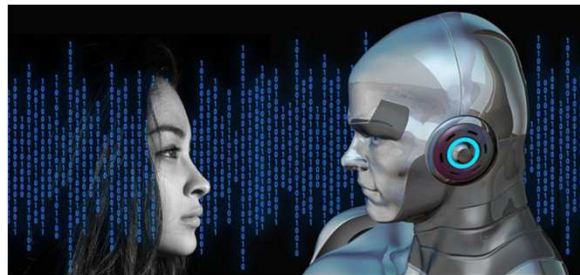


CYBERGOGY
(virtual based learning)

REFLECTIVE SKILLS



Learning Analytics



Artificial intelligence



Robotics

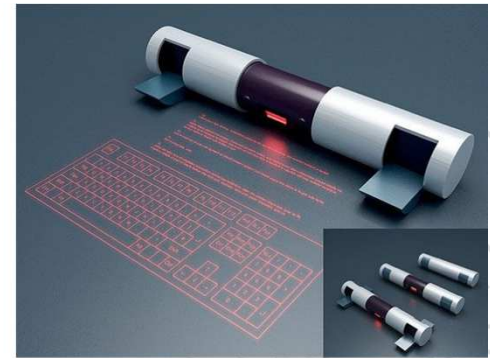
FLUID & ORGANIC CURRICULUM



Cryptocurrencies



Foldable displays

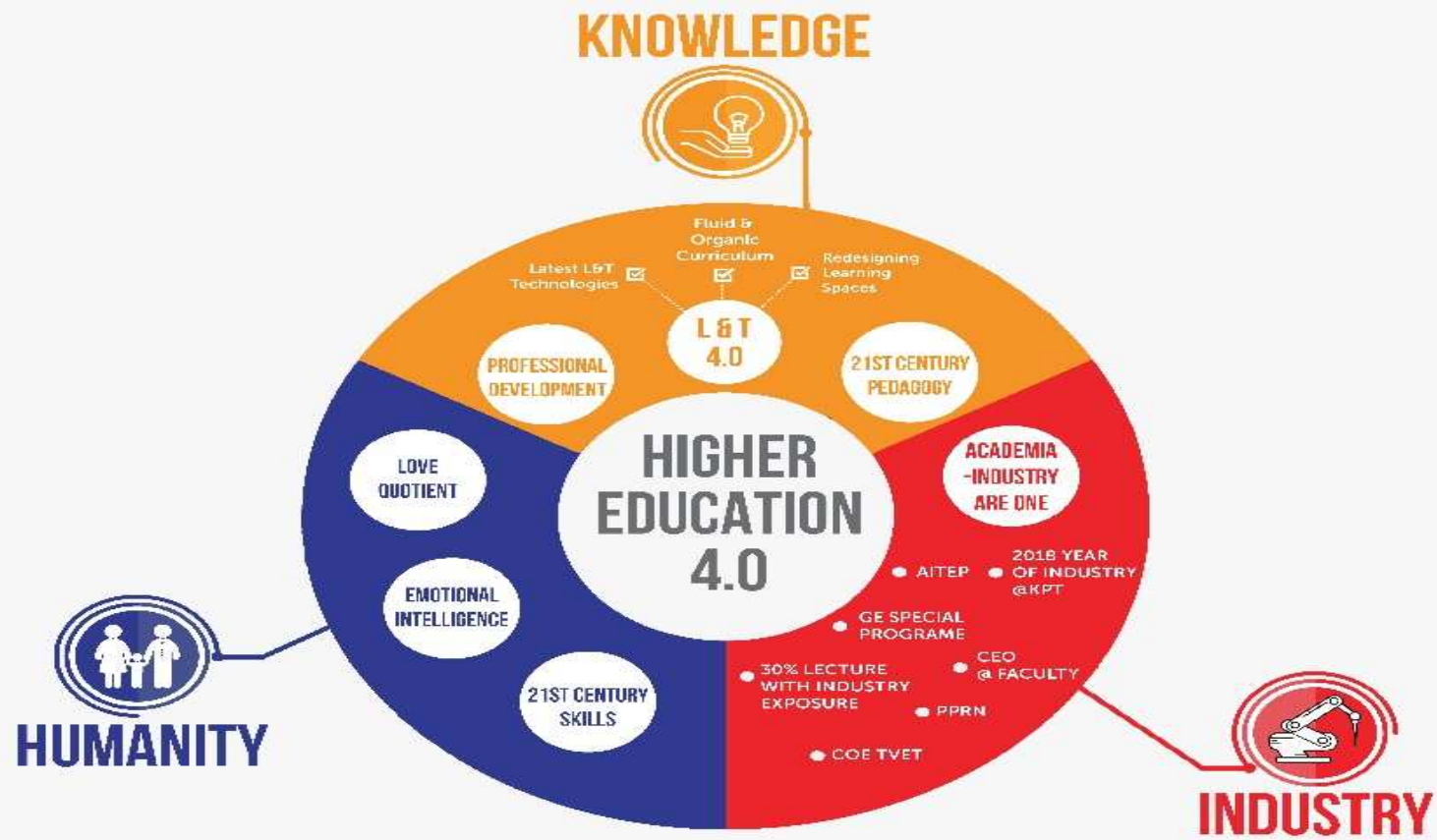


Tactile Projection

**INDUSTRY &
ACADEMIA ARE
ONE**

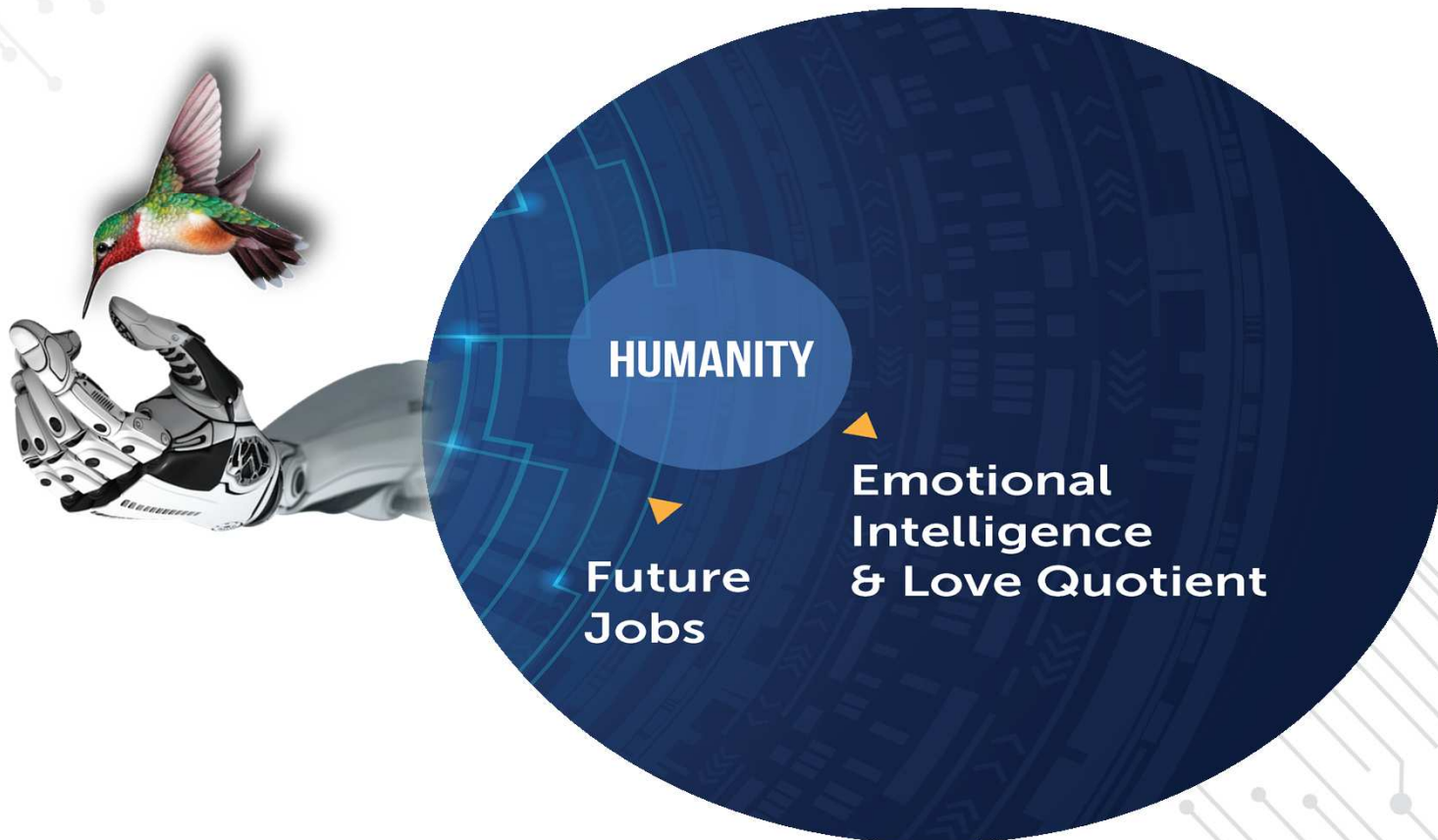
TVET 4.0 FRAMEWORK





An aerial photograph of a waterfront city, likely in Malaysia, featuring a large mosque with a prominent white dome and minaret on the left, and a large, modern building with a green dome on the right. The city is situated along a river or coastline, with a wide road and green spaces in the foreground. The word "CONCLUSION" is overlaid in a white box in the center of the image.

CONCLUSION



HUMANITY

Humanising the 4IR



*To nurture future leaders with a sense
of **love, care and compassion** for others*

**"ULTIMATELY TECHNOLOGY IS A TOOL.
PEOPLE COME FIRST.**

**ITS PURPOSE SHOULD BE CENTERED ON
HUMANITY AND PUBLIC INTEREST.**

**WHERE TOLERANCE, RESPECT,
CARE & COMPASSION COME INTO PLAY.**

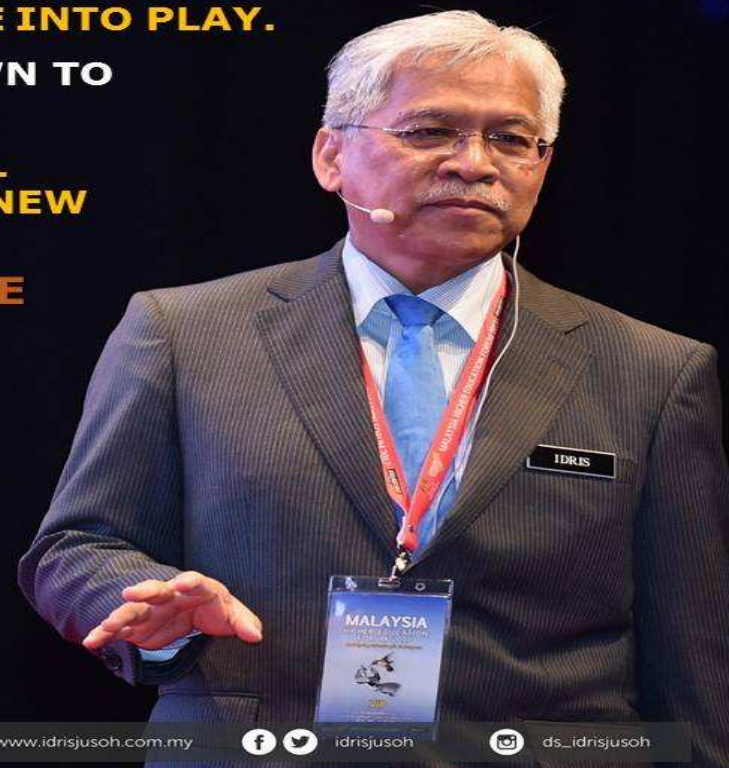
**EVENTUALLY IT BOILS DOWN TO
CULTURE & VALUES.**

**WITH THE 4TH INDUSTRIAL
REVOLUTION USHERING A NEW
CULTURAL RENAISSANCE.**

**IT NEEDS A COLLECTIVE
WISDOM.**

”

DATO' SERI IDRIS JUSOH, MINISTER OF HIGHER EDUCATION
at the opening of Malaysia Higher Education Forum 2017
23 November 2017 | Kuala Lumpur Convention Centre



For more information, visit:



news.moe.gov.my



www.idrisjusoh.com.my



[idrisjusoh](https://www.facebook.com/idrisjusoh)



[ds_idrisjusoh](https://www.instagram.com/ds_idrisjusoh)

Thank You... Soaring Upwards!

