

Learning Strategy in the University during the COVID-19 Pandemic

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Young
Scientists
Network

SUNWAY
UNIVERSITY





Home About COVID-19 Grants Events Divisions Chapters Resources Join Search



NOTE: If you need information on the virus, or recommended prevention measures, see the World Health Organisation website or government advisory.

Science Advice and COVID-19

In response to the COVID-19 outbreak, INGSA has created this information hub to aggregate and share the resources and discussions relating to how science advice and evidence functions in emergencies. We are looking for experts and practitioners to write commentary and analysis, share resources and opportunities, and provide input into our national policy-making tracker. For more information visit the [CONTRIBUTE](#) page.

Search...

ABOUT

POLICY MAKING TRACKER

CONTRIBUTE

Keynote: The role of science and of science funders in the time of the COVID 19 crisis

Funders have enormous power to influence the direction of science. What tools do you have: co-funding, coordinated funding, ensuring a balance of efforts using all the knowledge disciplines by finding ways to support transdisciplinary research. These are all easy things ...



Joint statement on scientific advice to European policy makers in the fight against the COVID-19 pandemic

How scientific advice can be best given to European policy makers when knowledge is fast evolving, risks are large, and evidence is preliminary and limited ...



Protecting and promoting mental wellbeing: Beyond COVID-19

INGSA/KOJ TU EXCLUSIVE Not only could COVID-19 have a devastating effect on already vulnerable sectors of society, but also we anticipate a second, and potentially large cohort of newly at-risk people as a result of the economic downturn, both globally ...

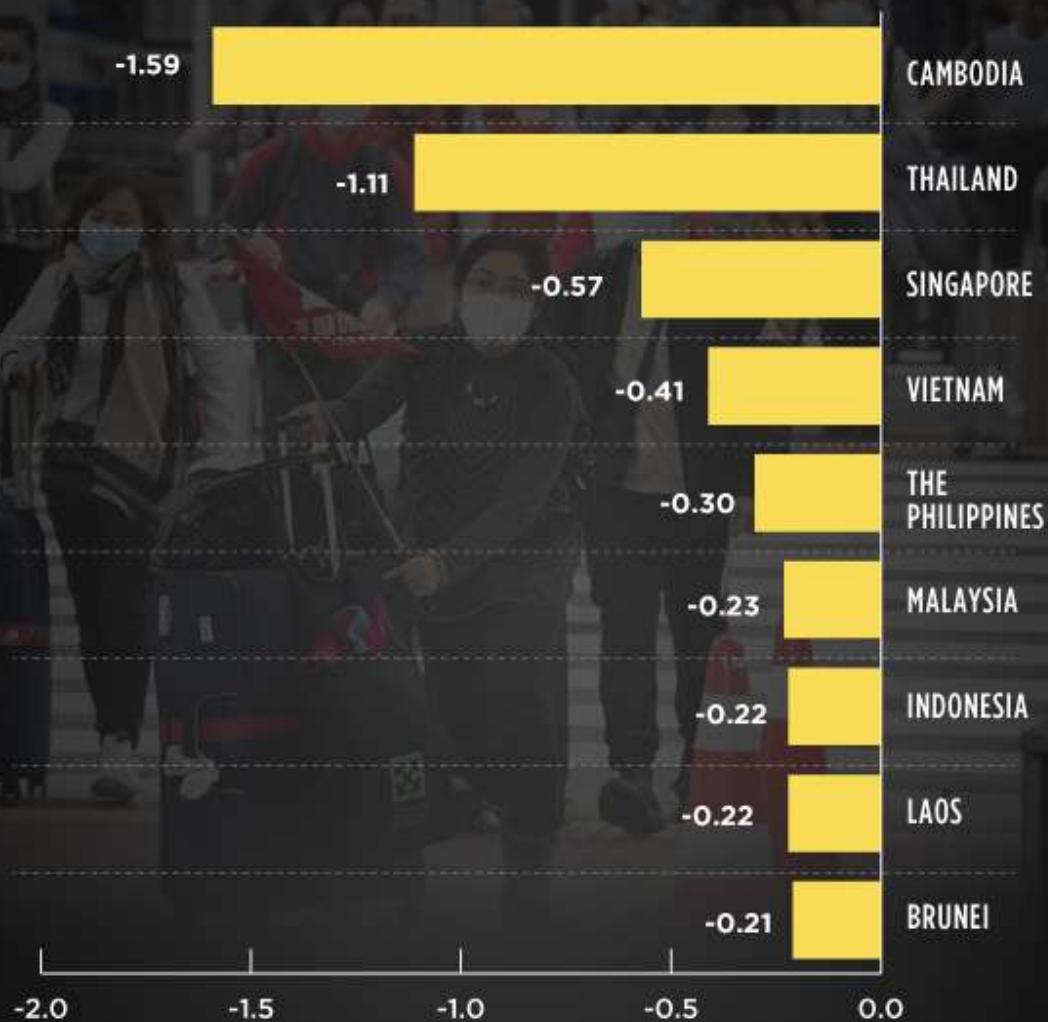


FEATURED

[Click for full list of Featured articles](#)

ESTIMATED IMPACT OF COVID-19 ON THE GDP OF ASEAN ECONOMIES

(Based on moderate case scenario)

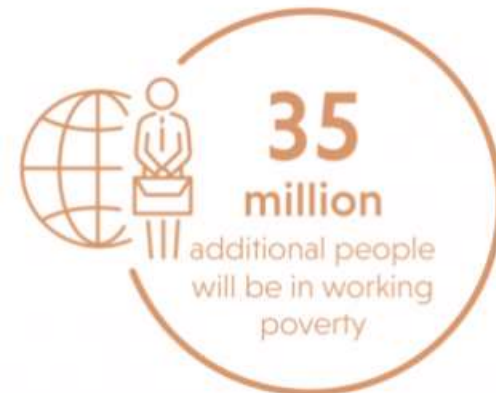


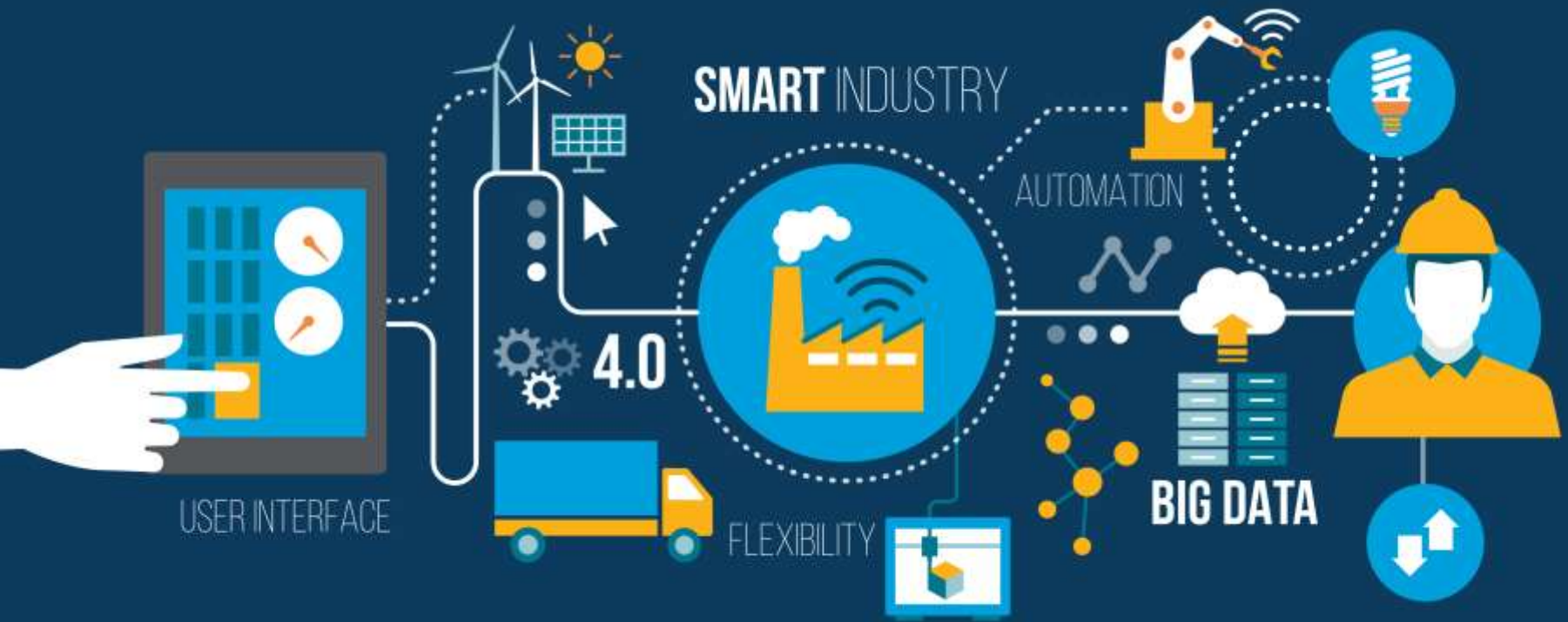
Source: ADB, "The Economic Impact of the COVID-19 Outbreak on Developing Asia," March 2020.

Infographic: CIMB ASEAN Research Institute

Photo: Tomohiro Ohsumi / Getty Images

Labour Market Impact of the COVID-19 Pandemic¹





INDUSTRY 4.0



Top-Down Policies





KEMENTERIAN PENDIDIKAN TINGGI

penjana

Pelan Jana Semula Ekonomi Negara

Building the Economy Together



penjana

Pelan Jana Semula Ekonomi Negara

Pelan Jana Semula Ekonomi Negara
3 Matlamat Utama



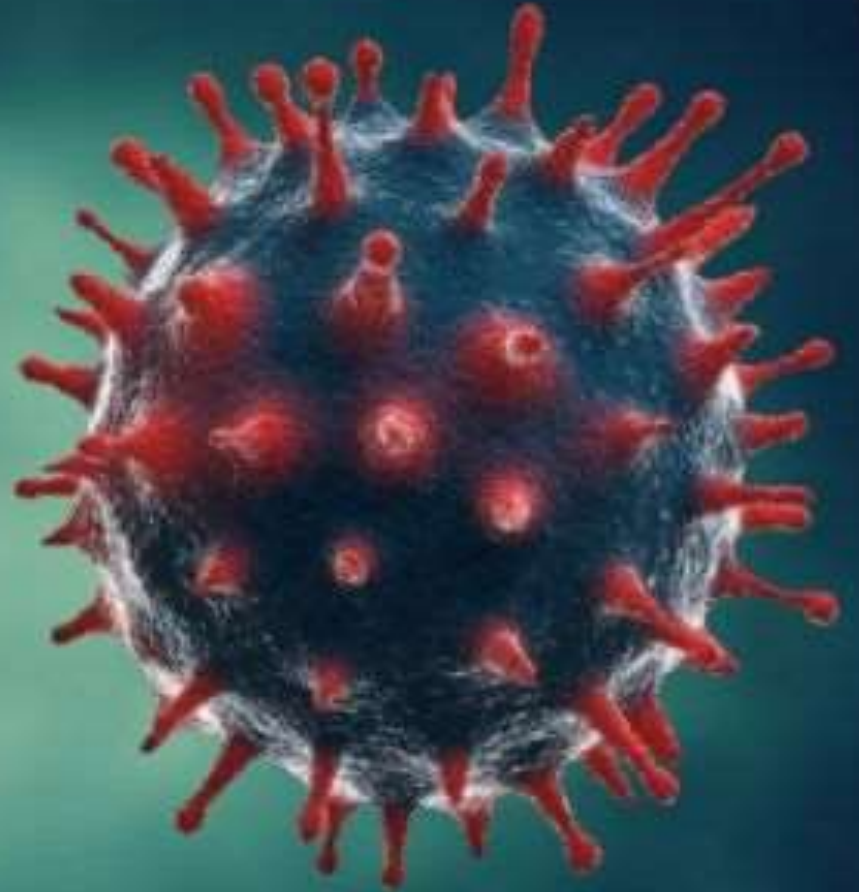


Safety + Sustainability



"WHILE DOING THE RESEARCH, KEEP IN MIND THERE ARE ONLY TWO KINDS OF FACTS... THOSE THAT SUPPORT MY POSITION... AND INCONCLUSIVE."

IMPACT ON UNIVERSITIES



Where are the students?





Am I the Next YouTube Star?

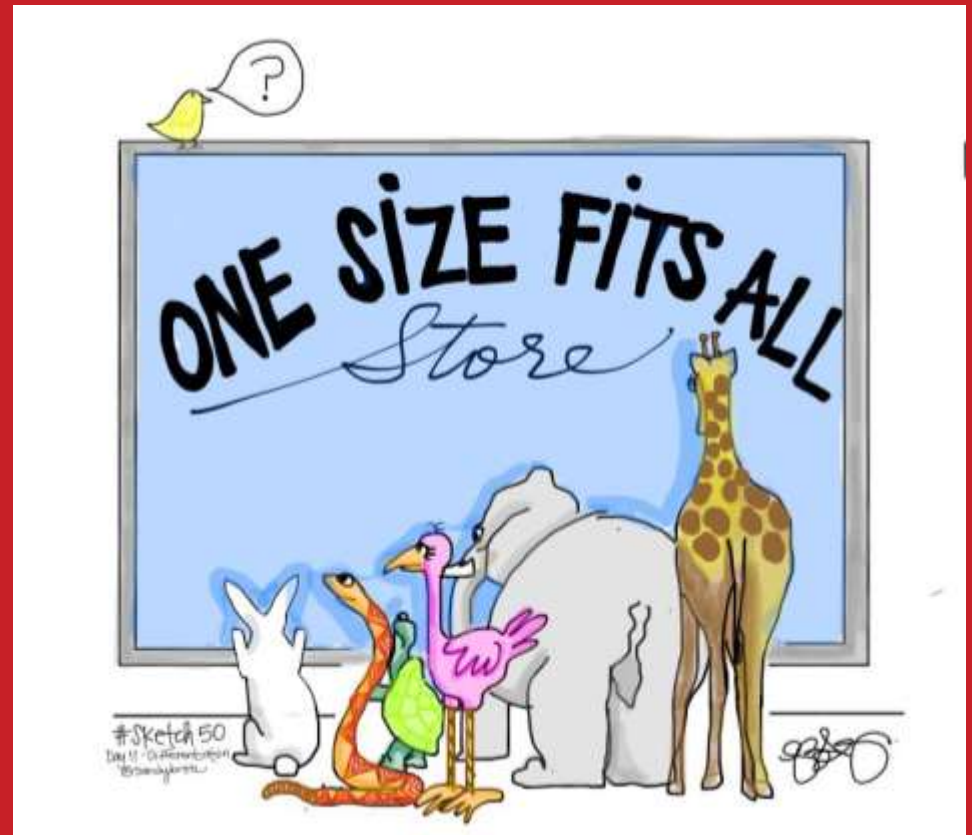
Online Education

One Size Does Not Fit All

Diversity in the Classroom



RANDY HOWE, EDITOR



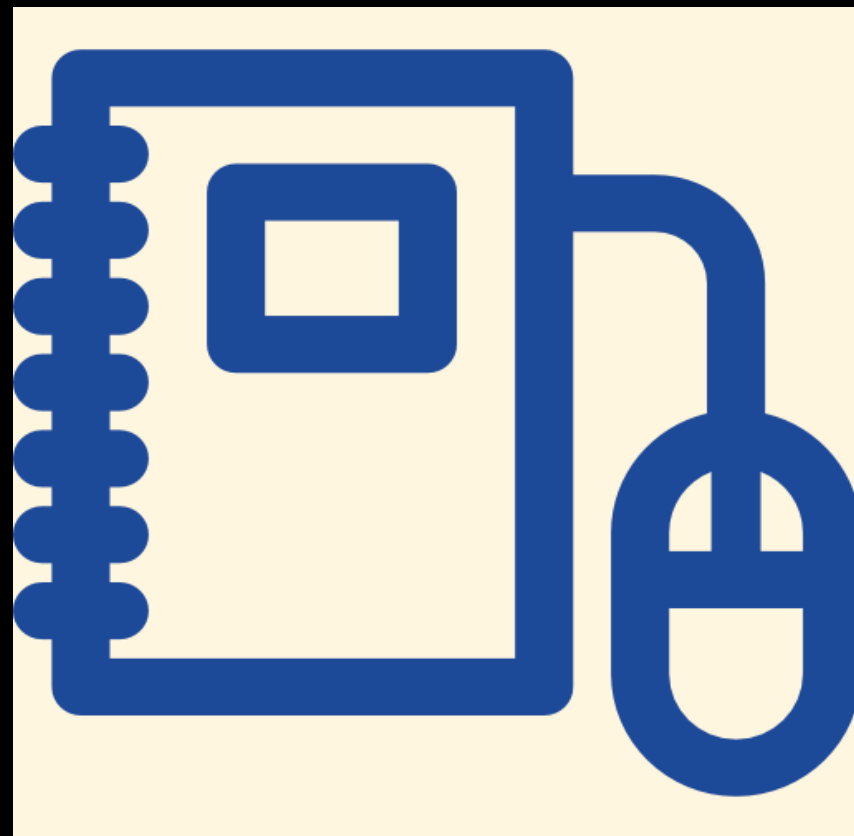
I am unique!

Dual-mode

Face-to-Face



Online



FIVE PRINCIPLES of Personalized Learning



How will I evaluate them/myself?

How can I improve?

What do I want them to achieve?

Am I on the right track?

What do I measure?

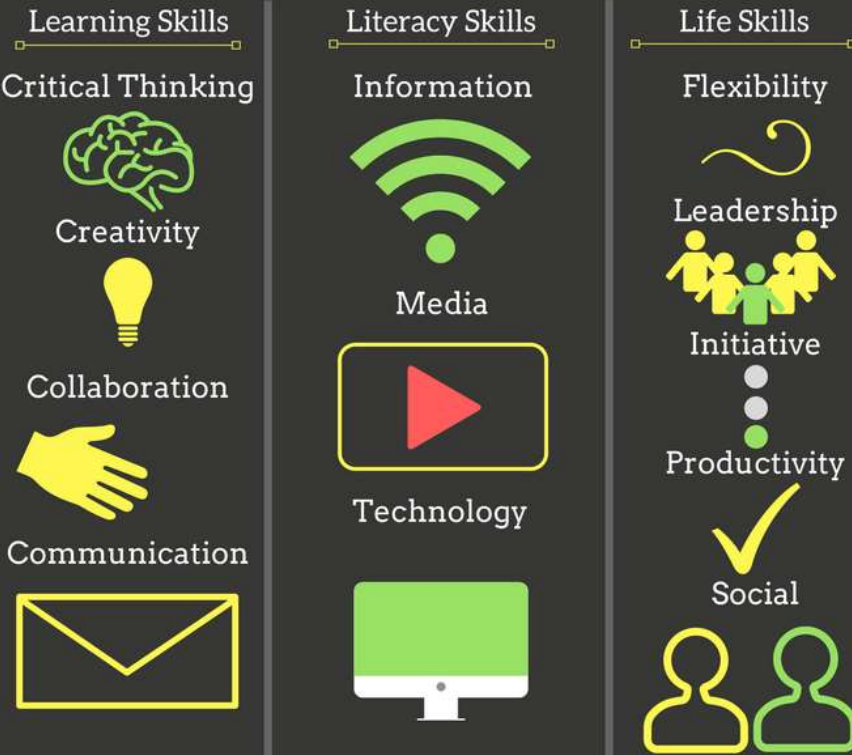
Plan to Plan!



How have they progressed?

21ST CENTURY SKILLS

HOW TODAY'S STUDENTS CAN STAY COMPETITIVE IN A CHANGING JOB MARKET



It is more than just Knowledge





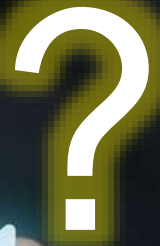
BEST UNIVERSITIES 2020 SOUTHEAST ASIA RANKING



1			NANYANG TECHNOLOGICAL UNIVERSITY
2			NATIONAL UNIVERSITY OF SINGAPORE
3			UNIVERSITI OF MALAYA
4			UNIVERSITI PUTRA MALAYSIA
5			UNIVERSITI KEBANGSAAN MALAYSIA
6			UNIVERSITI SAINS MALAYSIA
7			UNIVERSITI TEKNOLOGI MALAYSIA
8			CHULALONGKORN UNIVERSITY
9			UNIVERSITAS INDONESIA
10			UNIVERSITI BRUNEI DARUSSALAM
11			MAHIDOL UNIVERSITY
12			UNIVERSITAS GADJAH MADA
13			INSTITUT TEKNOLOGI BANDUNG
14			UNIVERSITY OF THE PHILIPPINES
15			UNIVERSITI TEKNOLOGI BRUNEI



Quality



Hijacking Purpose & Loss of Trust

- Quality of Life & Environment Improvement
- Wealth Creation
- Promote Peace
- **Pursuit of Knowledge**

Conflict between Purpose & Consequence

Conflict of Interest: Individual vs Public Benefit

Science to serve Scientists Vs. Humanity

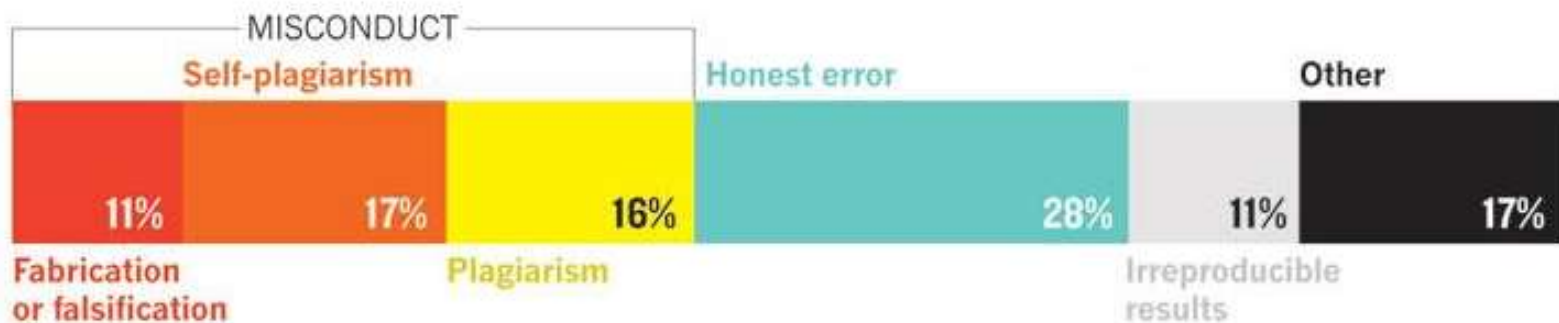
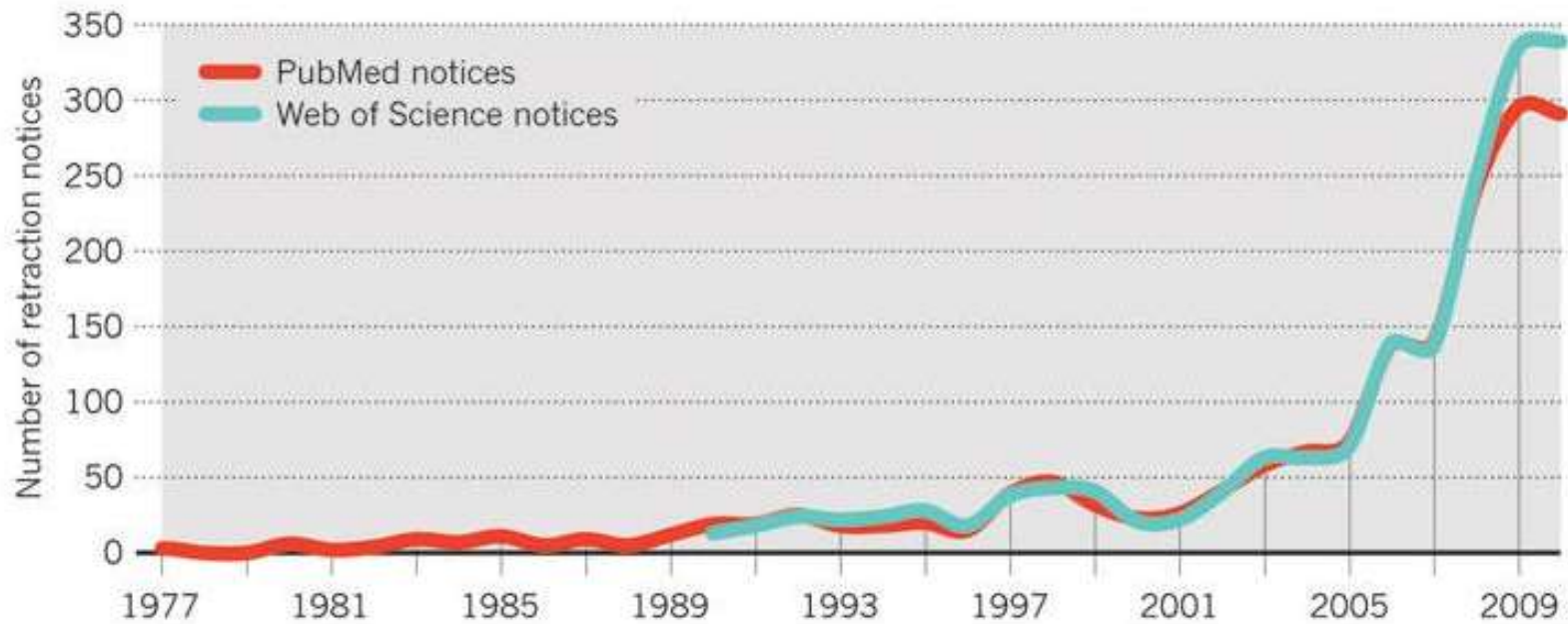


"Do a double-blind test. Give the new drug to rich patients and a placebo to the poor. No sense getting their hopes up. They couldn't afford it even if it works."

RESEARCH MISCONDUCT

RISE OF THE RETRACTIONS

In the past decade, the number of retraction notices has shot up 10-fold (**top**), even as the literature has expanded by only 44%. It is likely that only about half of all retractions are for researcher misconduct (**middle**). Higher-impact journals have logged more retraction notices over the past decade, but much of the increase during 2006–10 came from lower-impact journals (**bottom**).




Malaysian Educational Module on Responsible Conduct of Research



YSN-ASM-ASM:

- Chapter 1: Ethical Values and Responsibilities of Researchers
- Chapter 2: Research Misconduct
- Chapter 3: Culture of Safety and Dual Use Research
- Chapter 4: Conflict of Interest
- Chapter 5: Authorship and Publications
- Chapter 6: Peer Review
- Chapter 7: Research Data Management
- Chapter 8: Financial Responsibilities
- Chapter 9: Mentor-Mentee
- Chapter 10: Collaborative Research



**What is your purpose?
How to shape policies?**



SEIZE

OPPORTUNITIES

PENJANA

Kementerian
Sumber Manusia

Inisiatif: Program Subsidi Upah

- menggalakkan pengekalan pekerja dan mengurangkan kehilangan pekerjaan melalui penambahbaikan program subsidi sedia ada

Peruntukan

RM5.3
bilion

Manfaat

2.7
juta pekerja



Inisiatif: Program Insentif Pengambilan Pekerja dan Bantuan Latihan

- menggalakkan pengambilan pekerja dengan menyediakan insentif kewangan kepada majikan

Peruntukan

RM1.5
bilion

Manfaat

lebih
300,000
penganggur



Inisiatif: **Menaik taraf portal perkhidmatan pekerjaan negara** -

Menambah baik portal pekerjaan di PERKESO bagi memastikan padanan kerja

Manfaat

50,000
penganggur

Inisiatif: Program Kemahiran dan Peningkatan Kemahiran

- meningkatkan kebolehpasaran golongan penganggur melalui program latihan untuk mendapat dan meningkatkan kemahiran

Peruntukan

RM2
bilion

Manfaat

200,000
belia dan penganggur



Inisiatif: Perlindungan sosial dan latihan bagi pekerja ekonomi gig

- menjamin keselamatan sosial dan kebajikan pekerja dalam ekonomi gig

Peruntukan

RM75
juta

Manfaat

30,000
pekerja



Inisiatif: Insentif Pengaturan Kerja Fleksibel

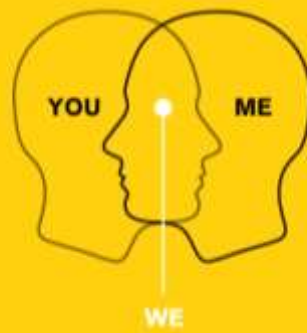
- menggalakkan pengaturan kerja dari rumah dengan menyediakan bantuan kepada majikan dan pekerja

Peruntukan

RM800
juta

Manfaat

Pekerja yang bekerja dari rumah



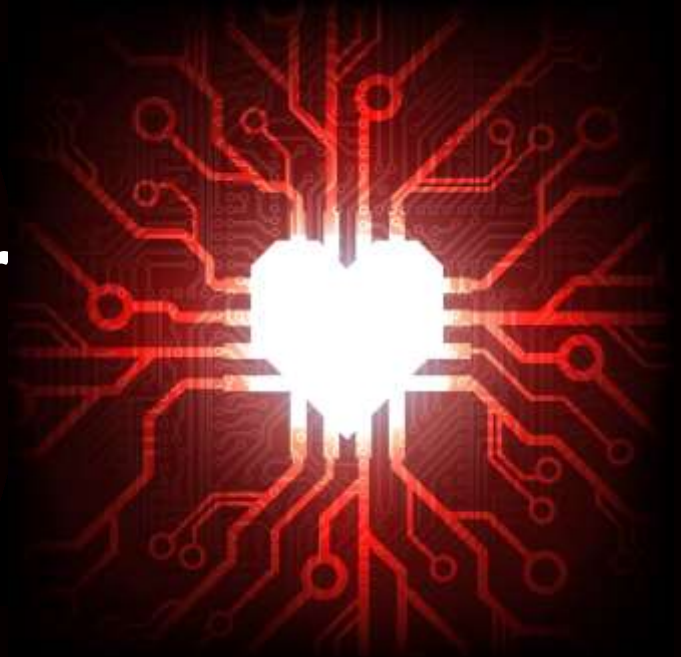
Empathy is...

seeing with the eyes of another,
listening with the ears of another,
and feeling with the heart of another.

Sabah girl stays in tree to get Internet connection



***Education is not for
serving Educators but for
Educators to serve
humanity***



RESOURCES



Research



Focus



SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



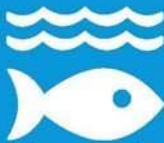
12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS



SUSTAINABLE DEVELOPMENT GOALS

The Sunway FutureX logo is a large, stylized blue 'X' with a red and white horizontal bar across its center, positioned on the left side of the image.

Sunway FutureX

Reinventing the future of skills and education

SUNWAY EDUCATION GROUP



Key Pillars and Objectives

Nourish

Clean &
Healthy Food

Educate

Nurture agri-
preneurs & talent

Empower

Food self
sufficiency

Innovate

New ideas, tech
and solutions



Launching in Sept 2020

SUNWAY®
FUTUREX
TALENT

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KUALA LUMPUR
Sunway Education Group

Disrupting Tech Education



Launching in July 2020

Global
eCommerce Talent

GET

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Alibaba GET Programme
eCommerce Talent Training



**eCOMMERCE
JUMPSTART
PROGRAMME**

Digital Business Transformation



**Research
& Development**

**Startup
Incubation**

**Industry
Training
& Workshops**

**Innovation
Sandbox**

**Tech
Commercialisation**



Core Values

Honesty ETHICAL Enthusiastic Commitment Accomplishment Ownership Integrity APPRECIATION Safety BALANCE INNOVATION Diversity UNITY EFFICIENCY Risk Taking Gracious Achievement

VIRTUOUS Forgiveness Empowerment EQUALITY PASSION Respect QUALITY COLLABORATION Community Service Excellence TOGETHERNESS UNITY OPTIMISTIC STABILITY Persistent Kindness Honorable Leadership Diplomacy Action-Oriented Loyal Accountability





Collaboration & Communication



ETHICS

Seize Opportunities

Empathy

Resource, Resilience & Research

Values

Impact

Collaboration & communication

Ethics





Embrace the Challenge



Celebrate yOUR** Emergence**

Thank
you