



KEMENTERIAN PENDIDIKAN TINGGI



UTeM

اونيورسيتي تيكنيكل مليسيا ملاك

UNIVERSITI TEKNIKAL MALAYSIA MELAKA

# Perhimpunan

اونيورسيتي تيكنيكل مليسيا ملاك

1 UTeM

MyUTeM



are u connected?

FTMK

Fakulti Teknologi Maklumat dan Komunikasi

Sentiasa Merintis, Sentiasa Menerajui

# PENCAPAIAN

# TERKINI





# PENCAPAIAN INDEKS AKAUNTABILITI



# Tahniah

Penarafan Empat Bintang  
dalam Indeks Akauntabiliti (IA) bagi  
Tahun 2016



[www.utem.edu.my](http://www.utem.edu.my)





# Karnival e-Learning dan Pelancaran Malaysia Centre for e-Learning (MyCeL)



## Perbezaan PSTP & MyCeL

### PSTP

- Di bawah Pej TNCAA
- Membangunkan e-Content di UTeM
- i-Book
- Infostructure UTeM
- Big Data UTeM

### MyCeL

- Di bawah KPT
- MyCeL di UTeM hanya sementara
- Membangunkan e-Content di Malaysia
- Melibatkan UA, US, Poli, KK, dll
- Latihan, Quality Assurance, R,D&I, dll

### PENDIDIKAN

## 100 peratus e-Pembelajaran di universiti



**Idris bersama Shahrin** dua dari kanan melihat Renda Lambang Bermaks Varsity UTeM selepas merasmikan NeLC sebagai Rangkaian e-Pembelajaran UTeM di Ayer Keroh, serantau.

NeLC mempercepatkan pelaksanaan

Oleh **Fairuz Zaidan** fairuzaidan@oh.com.my  
Ayer Keroh

Semua modal pengajaran di universiti awam dan swasta di seluruh negara dijangka meningkat 100 peratus kepada e-Modul pada masa hadapan.

100 peratus, berbanding 35 peratus diutarakan Kementerian Pendidikan Malaysia (KEM) sebagai matlamat utama e-Pembelajaran pada 2025.

Dengan penubuhan Pusat e-Pembelajaran Negara (NeLC), ia membantu mempercepatkan pertumbuhan kualiti pengajaran bersejarah dalam talian dan digital oleh

shah, termasuk menyediakan pelbagai modul pendidikan baharu yang mematuhi kehendak pasaran? katanya selepas merasmikan NeLC sempena Karnival e-Pembelajaran Universiti Teknikal Malaysia Melaka (UTeM) di sini, semalam.

perguruan tinggi di seluruh negara merangka universiti awam dan swasta, polihub serta kolej komuniti.

Teri Tunai baidi Ketua Setiausaha Kementerian Pendidikan Tinggi, Tan Sri Dr Norzi Amir Mohd Nur dan Nelo Ganesher UTeM, Datuk Dr Shahrin Sabih

nyak peluang pekerjaan baharu sering perkembangan semasa. "Akademia dan industri pada masa depan bergerak seiring, kolaborasi ini berupaya memertakkan modul pendidikan baharu yang akan mencipta lebih banyak peluang pekerjaan baharu memenuhkan kehendak pasaran.







- ✓ Makmal Satelit pertama diwujudkan di UTeM dengan peruntukan bernilai RM 7.4 juta.
- ✓ Memperkasakan aspek keselamatan siber dengan pembangunan **Sistem Automasi Penyingkiran Ancaman Malware**
- ✓ Menangani ancaman siber khususnya ancaman perisian jahat '**malware**' di negara ini.



**PM Dr. Nurulfajar**  
merupakan **Dekan**

**Universiti Awam**  
**Malaysia Pertama yang**  
**menerima anugerah**  
**dari Apple.**





**SUCI-URiS**  
SUCI URINAL SYSTEM

**500 unit telah terjual**

- ❖ UTeM menghasilkan alat buang air kecil lelaki patuh syariah, Suci-Urinal System (SUCI-URiS), yang pertama seumpamanya di negara ini
- ❖ Mendapat sokongan Mufti negeri, Datuk Abdul Halim Tawil; pensijilan ISO 13485 (Pengurusan Kualiti Sistem bagi peralatan perubatan) serta pengesahan Institut Piawaian dan Penyelidikan Perindustrian Malaysia (SIRIM).



CENTRE FOR ADVANCED RESEARCH ON ENERGY  
Universiti Teknikal Malaysia Melaka



- ✓ Para penyelidik CARE telah diiktiraf sebagai rakan penyelidik Jabatan Penyelidikan dan Pembangunan (R&D) Proton
- ✓ Terlibat dengan penyelidikan bersama bagi pengoptimuman komponen utama kuasa automotif semua rangkaian kereta PROTON



CONGRATULATIONS!

- ❖ AE Tech Group - FTK
- ❖ Polish - Perpustakaan UTeM
- ❖ GMART - Pejabat Pembangunan
- ❖ Think Big - Pejabat Pendaftar

✓ Peringkat Perbadanan Produktiviti Malaysia - **Emas**

✓ Peringkat Universiti Awam ke-13

- Polish : Perak
- AE Tech : Gangsa
- GMART : Gangsa
- Think Big : Gangsa



GoGreen



24 – 27 OKTOBER 2017

Mewakili MALAYSIA di  
International  
Convention on Quality  
And Control Circles  
(ICQCC) 2017, di  
Manila, Filipina



## Innovate Malaysia Design Competition 2017

# UTeM rangkul pelbagai anugerah

Oleh ROSLAN MOHAMAD

DURIAN TUNGGAL 25 Juli - Pelbagai anugerah dan kemenangan diungguli Universiti Teknikal Malaysia Melaka (UTeM) di pentas *Innovate Malaysia Design 2017*.

Anugerah dan kemenangan dirangkul UTeM itu anjuran bersama Kementerian Pendidikan Tinggi (KPT) yang telah berlangsung, baru-baru ini.

Penyertaan UTeM dalam pertandingan tersebut telah memberikan saingan hebat kepada 250 pasukan dari seluruh Institusi Pengajian Tinggi (IPT) seluruh negara.

Pengarah Pusat Hubungan Industri Pejabat Penolong Naib Canselor (Jaringan Industri dan Masyarakat) UTeM, Prof. Madya Dr. Kok Swee Leong berkata, UTeM telah memenangi tiga dari Amgnerah *Design Challenge* menerusi pemaparan reka bentuk kreatif dan inovatif pel-

ajar universiti terbabit. Menurutna, kemenangan bagi Kategori Design Challenge ini menerusi penghasilan reka bentuk kreatif pelajar, Keek Joe Siang bagi *Development of an Automated Human-Shaped Test Subject with wireless Control & Data Acquisition*.

Ujarnya, manakala Gowdie Palmer untuk *Ranhill Real time monitoring and water leakage detection system for underground pipeline*.

D. Sines, Gan Yee Wei & Wong Cheng Ing untuk 'Wildlife Conservative Society' 'Smart monitoring & control of human elephant conflict system.

Jelasnya, selain memenangi tiga anugerah dalam Design Challenge, UTeM turut menang beberapa anugerah dan hadiah dari sembilan Trek Industri.

Ianya terdiri *Fusionex, Intel, Keysight, Mathwork, Microsoft, Motorola Solution, National Instruments, Sil-*



UTeM raih pelbagai anugerah dan kemenangan di pentas *Innovate Malaysia Design 2017* bersama KPT, baru-baru ini.

*ra/CeDec & Vitruv* yang diper-

tandingkan. "Selain itu, pelajar UTeM turut memenangi IEM Best Paper Award menerusi *Optimization & development of a low power microcontroller for IoT Application* melalui pelajar, Ivan Chong Wei Yong,"

katanya dalam satu kenyataan yang dikeluarkan hari ini.

Kejayaan ini telah melon-

jakan nama UTeM di persada penghasilan reka bentuk kreatif dan inovatif dalam negara ini, sekali gus universiti ini terus mencipta nama sebagai universiti awam teknikal berprestij di Malaysia.

Naib Canselor UTeM, Prof. Datuk Dr. Shahrin Shahib menyambut berita kemenangan ini dengan rasa terharu di atas kejayaan UTeM yang berjaya

menghar-

ti di pen-

dan ino-

Mer-



- ✓ **SilTerra/CEDEC Track – Tempat Pertama dan Kedua**
- ✓ **Keysight Track – Tempat Kedua**
- ✓ **Intel Track – Tempat Ketiga**
- ✓ **NI Track – Tempat Ketiga**
- ✓ **MathWorks Track – Saguhati**
- ✓ **Design Challenge – IQ-Group, Ranhill, WCS Malaysia**
- ✓ **IEM BEST PAPER AWARD**





Telah dilaksanakan pada semester 1 sesi 2016/2017 yang lalu dengan penglibatan pelajar perintis UTeM seramai 19 orang

المقران  
الكريم



## Ijazah Sarjana Muda Teknologi Kejuruteraan

1

Sarjana Muda Teknologi  
Kejuruteraan Elektrik  
Dengan Kepujian

2

Sarjana Muda Teknologi  
Kejuruteraan Elektronik  
Dengan Kepujian

3

Sarjana Muda Teknologi  
Kejuruteraan Mekanikal  
Dengan Kepujian

4

Sarjana Muda Teknologi  
Kejuruteraan  
Pembuatan Dengan  
Kepujian



## UNJURAN KEMASUKAN PELAJAR BAHARU IJAZAH SARJANA MUDA SESI 2017/2018

| Fakulti       | Unjuran Kemasukan |
|---------------|-------------------|
| FKE           | 310               |
| FKEKK         | 240               |
| FKM           | 240               |
| FKP           | 240               |
| FTMK          | 360               |
| FPTT          | 360               |
| FTK           | 810               |
| <b>JUMLAH</b> | <b>2,560</b>      |

## UNJURAN GRADUAN 2017

| Fakulti       | Diploma    | Sarjana Muda | Sarjana    | PhD       | DEng     | JUMLAH       |
|---------------|------------|--------------|------------|-----------|----------|--------------|
| FKE           | 45         | 367          | 34         | 5         | 0        | 451          |
| FKEKK         | 40         | 272          | 45         | 7         | 0        | 364          |
| FKM           | 48         | 361          | 45         | 6         | 0        | 460          |
| FKP           | 33         | 341          | 55         | 17        | 0        | 446          |
| FTMK          | 100        | 478          | 58         | 18        | 0        | 654          |
| FPTT          | 0          | 227          | 24         | 5         | 0        | 256          |
| FTK           | 0          | 704          | 0          | 0         | 0        | 704          |
| IPTK          | 0          | 0            | 7          | 1         | 0        | 8            |
| <b>JUMLAH</b> | <b>266</b> | <b>2750</b>  | <b>268</b> | <b>59</b> | <b>0</b> | <b>3,343</b> |

Data sehingga 17 Mac 2017

**TARIKH KONVOKESYEN KE 13, 2017**  
**20 & 21 NOVEMBER 2017**



## PRASARANA BAHARU MEDAN OUTDOOR GYMNASIUM UTeM



“I believe that the greatest gift you can give your family and the world is a **healthy** you”

Joyce Meyer







3 x



**Bola Jaring**

**Catur**



**Boling Padang  
(wanita)**







2017年中国赛艇公开赛(哈尔滨站)  
2017 China Rowing Open (HRB)

黑龙江·哈尔滨 July 30, 2017  
决赛成绩公告(Final Results)

1000米男子八人单桨有舵手(大学组)

|    |   | UM8+         |
|----|---|--------------|
| 名次 | 队名 (Team)   | 成绩 (Results) |
| 1  | Kyoto Univ.<br>日本京都大学                                 | 02:30.78     |
| 2  | 西安交通大学  | 02:35.92     |
| 3  | Univ. Pendidikan Indonesia<br>印度尼西亚教育大学               | 02:36.22     |
| 4  | UTM-PKS<br>马来西亚理工大学                                   | 02:41.05     |
| 5  | Cambridge Univ.<br>剑桥大学                               | 02:37.47     |
| 6  | Lingnan Univ.<br>香港岭南大学                               | 02:39.56     |
| 7  | 西安电子科技大学  | 02:52.77     |
| 8  | Chulalongkorn Univ.<br>泰国朱拉隆宫大学                       | 03:09.51     |
| 9  | Seoul National Univ.<br>韩国首尔国立大学                      | 02:57.68     |
| 10 | 同济大学  | 03:17.54     |
| 11 | Macau Univ.<br>澳门大学                                   | 03:45.72     |
| 12 | Institute of Technical Education College<br>新加坡工艺教育学院 | 03:50.17     |

总裁判长：黄汝丛    副总裁判长：沈嘉粟  
编排裁判：宋倩颖  
检查裁判：郭梅、韩宇、徐绍华  
起点裁判：王小伟  
发令员：徐奇文  
航道裁判：宁坤、胡海承、吴阿强、康新生  
终点裁判：姚红燕、王冬玲、魏加宝

**7A7N9A7!!**

Tempat ke-4 bersama-sama pasukan gergasi Asia di Kejohanan China Rowing Open 2017.



**Anis Amira binti basri (Siswi FKM UTeM)**  
 akan mewakili Malaysia dalam Sukan SEA Kuala Lumpur 2017 dalam acara **PETANQUE**.

**Baru-baru ini beliau menjuarai :**

**Nama kejohanan : Kejohanan Petanque Mix  
 double kebangsaan , kangar perlis**

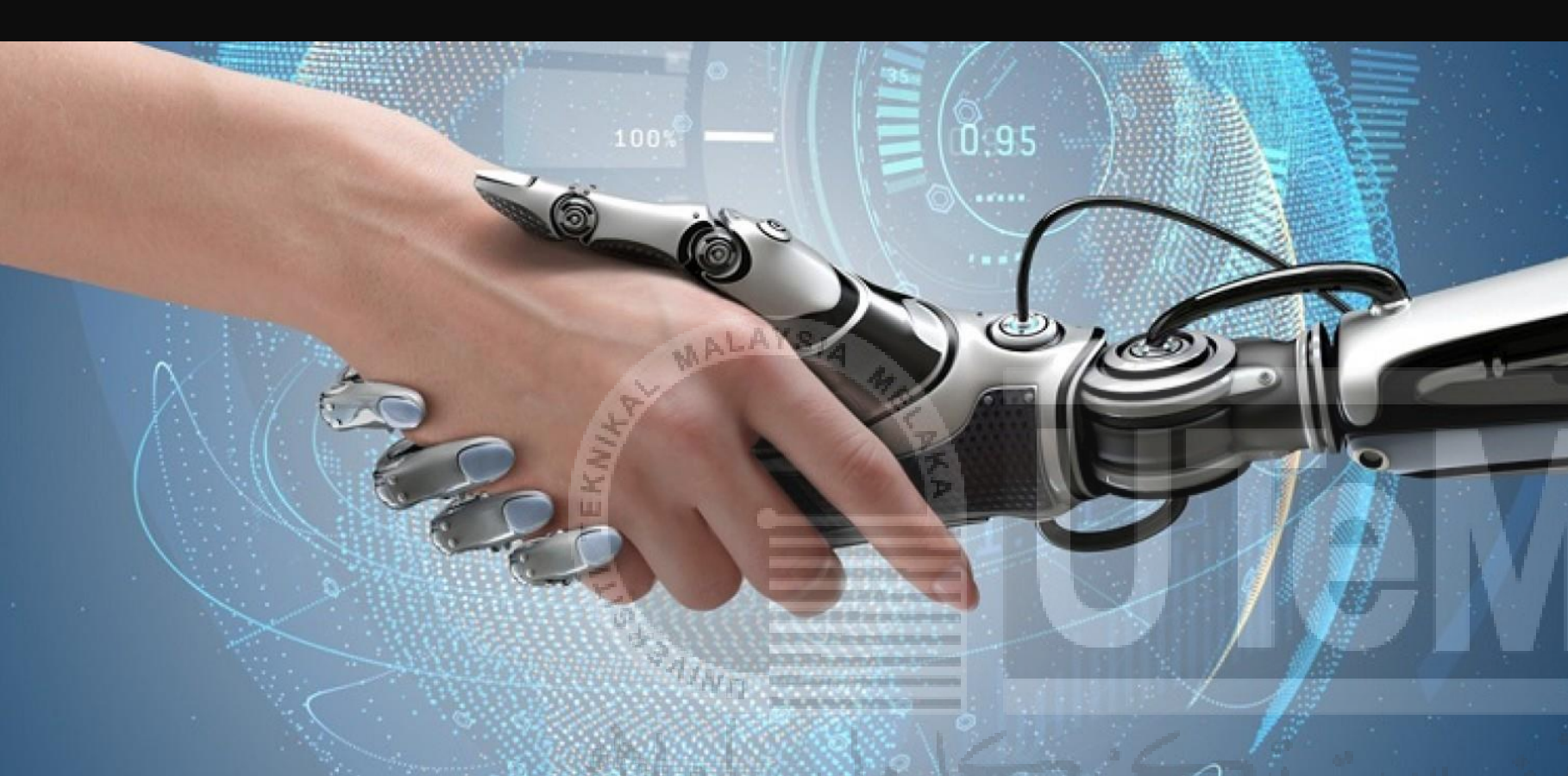
**Tarikh : 29-30 Julai 2017**

**Tempat : Kangar Perlis**

**Kedudukan : Johan**

**Acara : Mix double**





# UTeM & Industry 4.0



# Are We **READY**

for

INDUSTRY  
**4.0**





## TASK FORCE 1

**Penasihat** : Timbalan Naib Canselor (A&A)  
**Ketua Jawatankuasa Keahlian** : Dekan FKP  
 : Dekan FTK, Dekan PBPI, Timbalan Dekan Akademik (Fakulti), JK OBE, JK P&P, Pejabat Perancangan & Pembangunan Akademik, Pusat Pengajaran & Pembelajaran, Pusat Pembelajaran Sepanjang Hayat.  
**Terma Rujukan** : Formal Learning, Curriculum, Formal & Classroom

**Penasihat** : Timbalan Naib Canselor (A&A)  
**Ketua Jawatankuasa Keahlian** : Dekan FKE  
 : Dekan FTMK, Dekan FKEKK, Ketua Jabatan (yang dinamakan Dekan @ sukarela), JK Latihan Industri, JK IDP, JK PSM, Ketua Jabatan KO-KU, Pusat Sumber & Teknologi Pengajaran  
**Terma Rujukan** : Co - Curriculum, Non formal & Outside Classroom

## TASK FORCE 2

## TASK FORCE 3

**Penasihat** : Timbalan Naib Canselor (HEP)  
**Ketua Jawatankuasa Keahlian** : Dekan FKM  
 : Dekan FPTT, JAKSIS, Felo & Pengetua Kolej Kediaman, Penasihat Kelab Fakulti, Timbalan Dekan (PP), Pengarah Pusat Sukan, Pengarah Antarabangsa, Pengarah Pusat Islam, Pegawai Perubatan HEP, Timbalan Pustakawan Kanan & Pengarah PPPK  
**Terma Rujukan** : Social Learning, Extra Curriculum, Informal & Campus life

### Post Graduate / Research Experience

**Penasihat** : Timbalan Naib Canselor (P&I)  
**Ketua Jawatankuasa Keahlian** : Dekan PPS  
 : Dekan IPTK, Timbalan Dekan (Penyelidikan & Pengajian Siswazah), Pusat Pengurusan Penyelidikan & Inovasi (CRIM), Penyelaras CoE, Ketua Kumpulan Penyelidik (RG) - (Dinamakan oleh TNC (P&I))

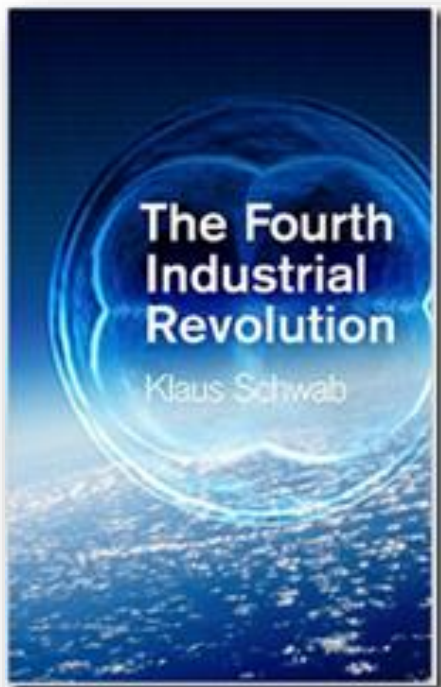
**Terma Rujukan** : Post Graduate Experience (Comprehensive)

## TASK FORCE 4



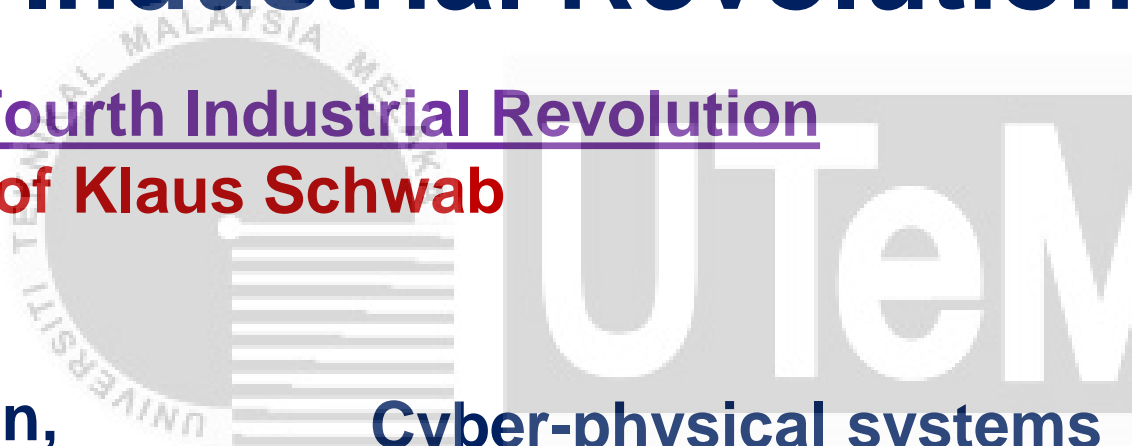
## For Sustainable Development





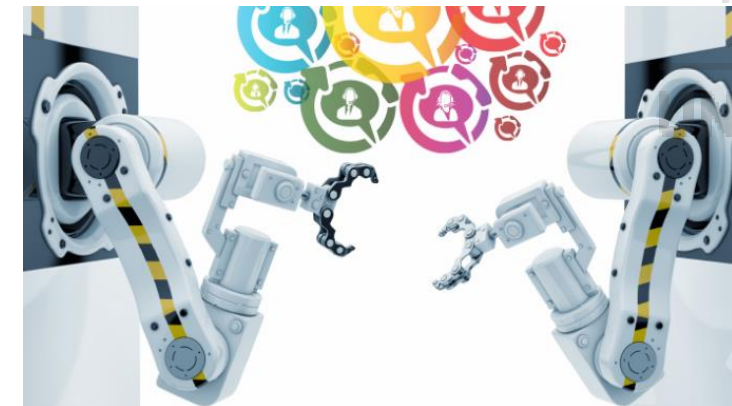
# 4th Industrial Revolution

The Fourth Industrial Revolution  
by Prof Klaus Schwab



**EXTREME** automation,  
connectivity

Cyber-physical systems  
driven by AI and robots

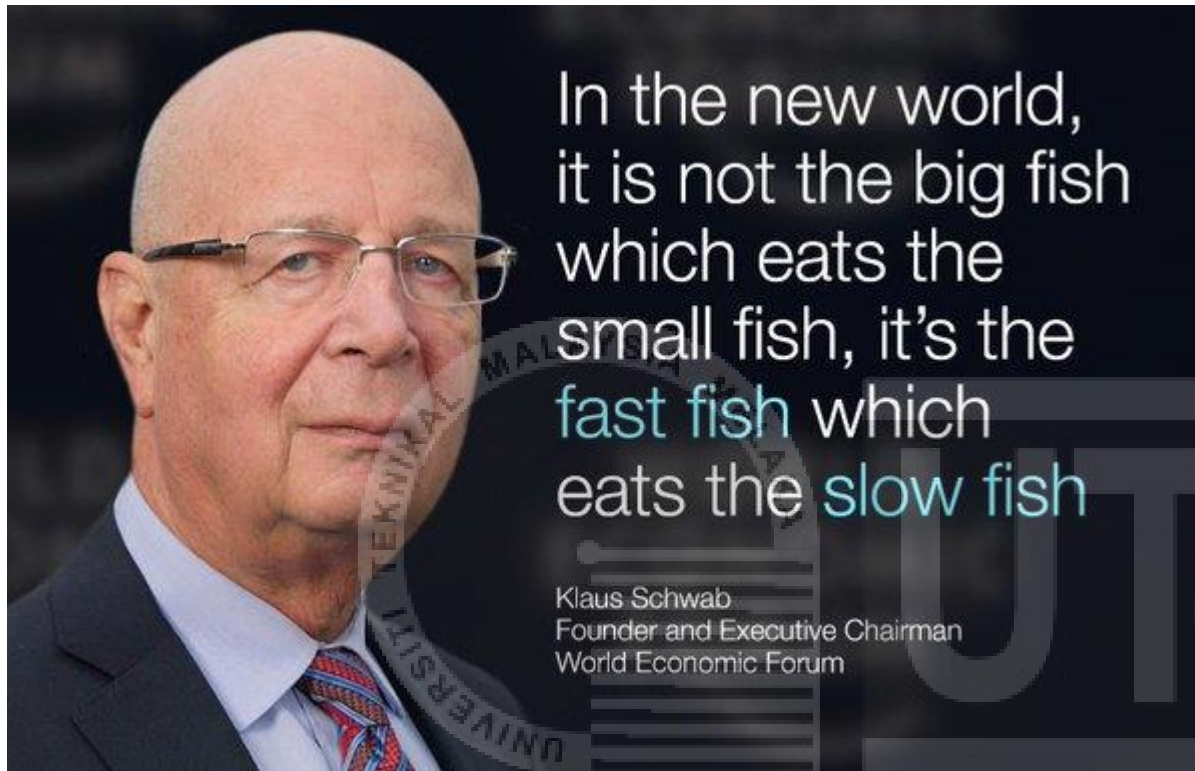




The background features a futuristic scene with white robotic arms and a globe. The globe is overlaid with a network of lines and nodes, symbolizing digital technology. The text 'UTeM' is faintly visible in the background.

Tomorrow's  
technology  
is already here

**From big data to ultra-fast robots, the digital revolution is already happening**



In the new world,  
it is not the big fish  
which eats the  
small fish, it's the  
fast fish which  
eats the slow fish

Klaus Schwab  
Founder and Executive Chairman  
World Economic Forum

Schwab calls on leaders and citizens to "shape a future that works for all by **putting people first**, empowering them and constantly reminding ourselves that all of these new technologies are first and foremost **tools made by the people for the people.**"



# Impact of the 4<sup>th</sup> industrial revolution

## INDIVIDUAL

- Changing what we do and **who we are** (behaviors, privacy, ownership, consumption, time for work, time for leisure, etc)

## ECONOMY

- Growth
- Employment
- New Skills
- Nature of work

## BUSINESS

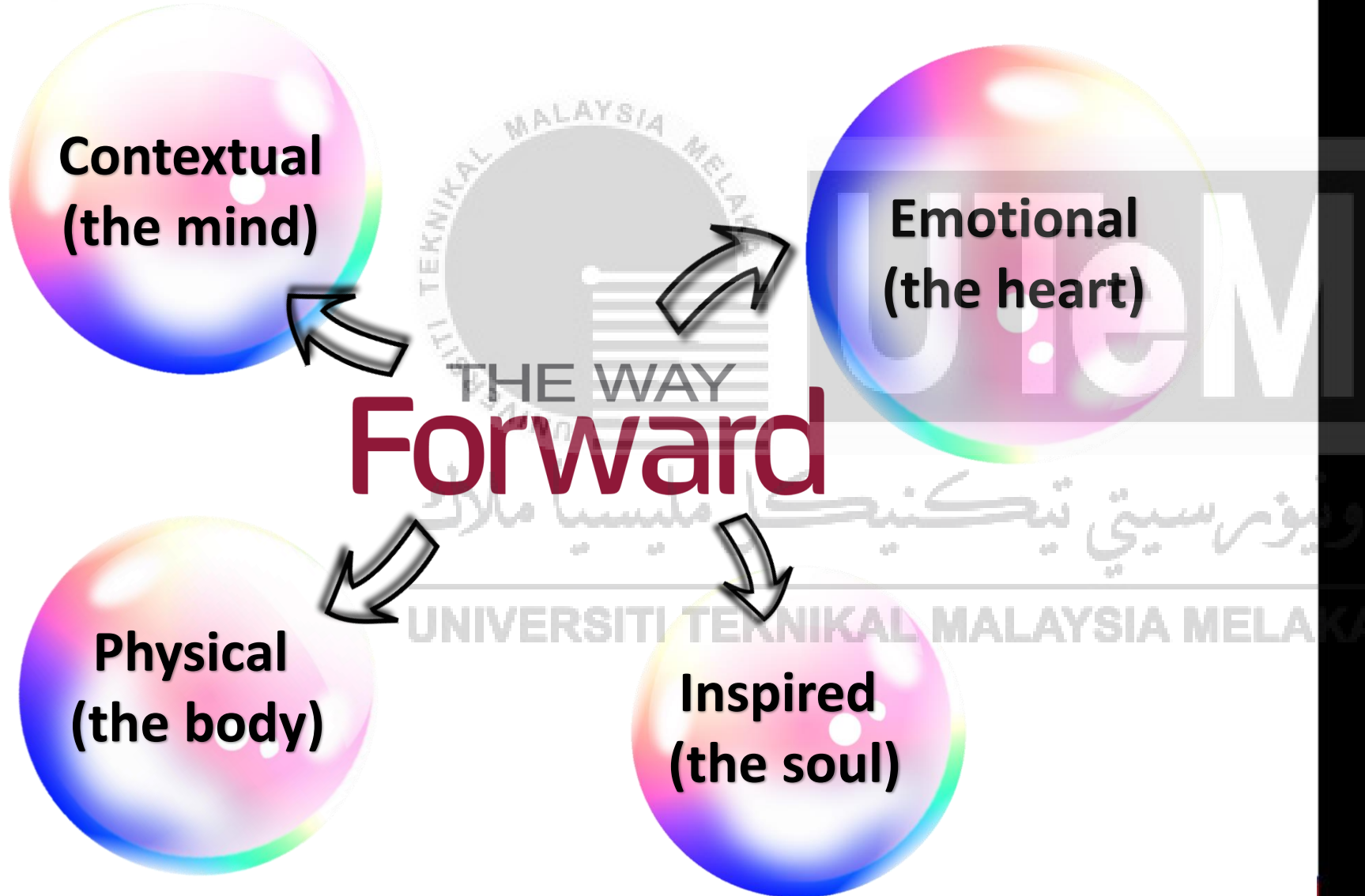
- Customer expectation
- Data-enabled products
- New collaborations
- New operating models

## NATIONAL

- New way to voice opinions
- Cities need to act like **entrepreneurs**, they have to compete in attracting talents

## SOCIETY

- One effect of digitization is the emergence of the **“me-centered”** society





A colorful, gradient bubble containing the text 'Contextual (the mind)'.

### Contextual (the mind)

- **How we understand and apply our knowledge**
- This characteristics are pre-requisite for adaptation and survival in the fourth industrial revolution.

A colorful, gradient bubble containing the text 'Emotional (the heart)'.

### Emotional (the heart)

- **How we process and integrate our thoughts and feelings and relate to ourselves and to one another**
- It is important in order for leaders to be more innovative and enables them to be agent of change.
- Leaders with high emotional intelligence would not only be more creative but will also be better equipped to be agile and resilient.
- The digital mindset which is capable of cross functional collaboration that encourage of generation new ideas.

A colorful, iridescent bubble containing the text 'Inspired (The soul)'.

**Inspired  
(The soul)**

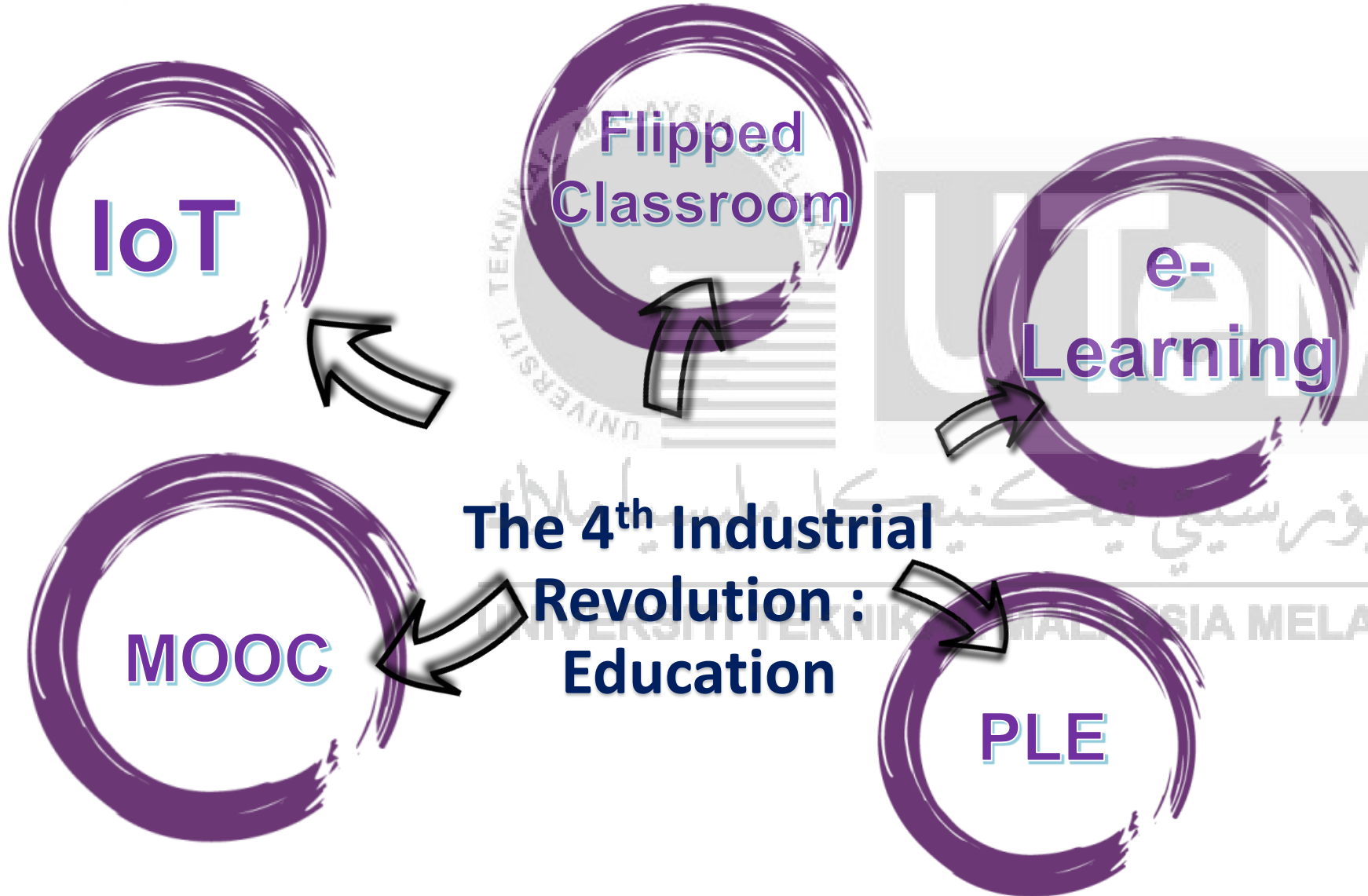
- **How we use a sense of individual and shared purpose, trust, and other virtues to effect change and act towards the common good**
- The continuous search for meaning and purpose – nourishing the creative impulse and lifting humanity based on the shared sense of destiny.
- Developing a common sense of purpose where collaborative innovation is pivotal.

A colorful, iridescent bubble containing the text 'Physical (the body)'.

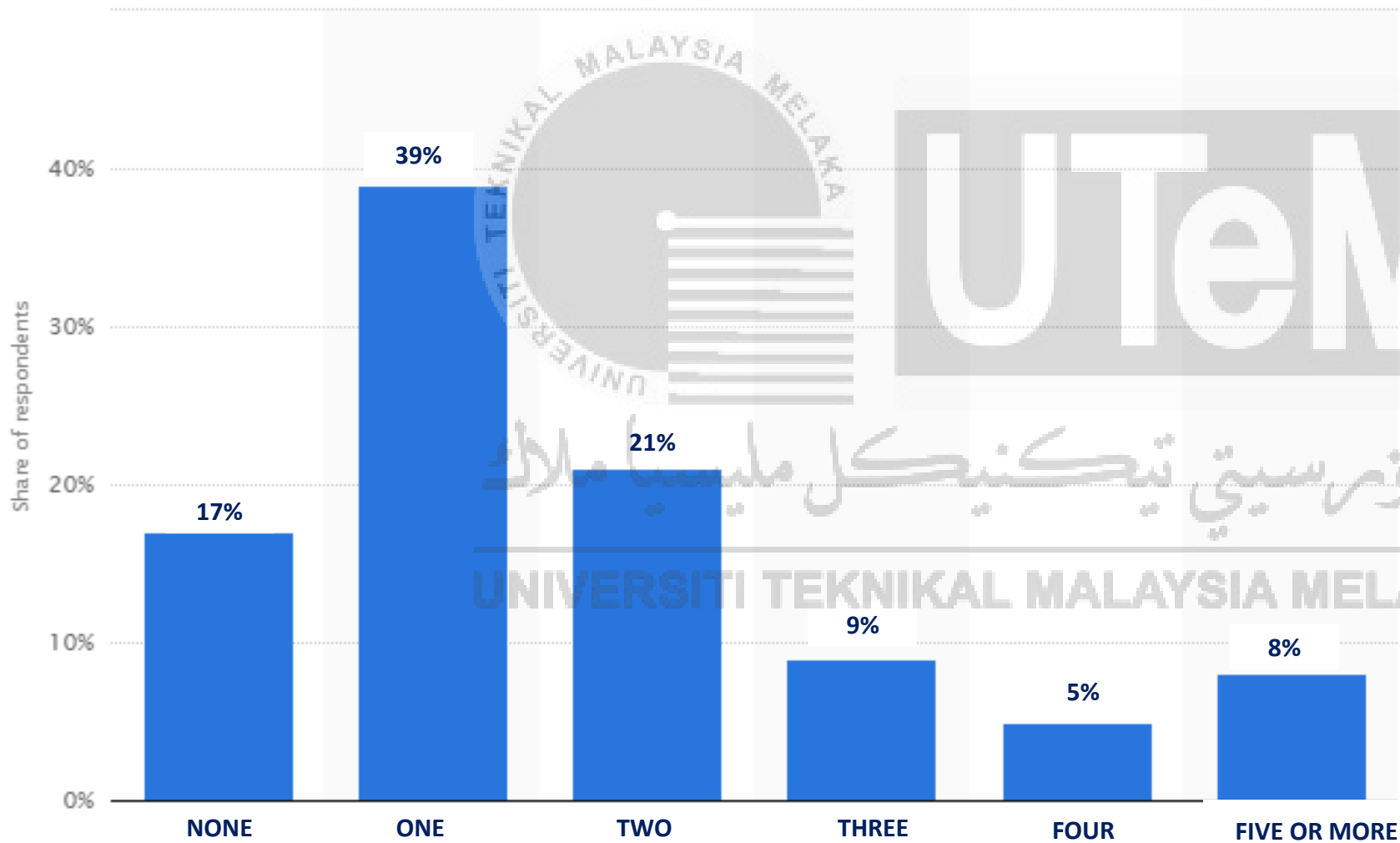
**Physical  
(the body)**

- **How we cultivate and maintain our personal health and well-being and that of those around us to be in a position to apply the energy required for both individual and systems transformation**





# Malaysia: number of connected devices per person 2016

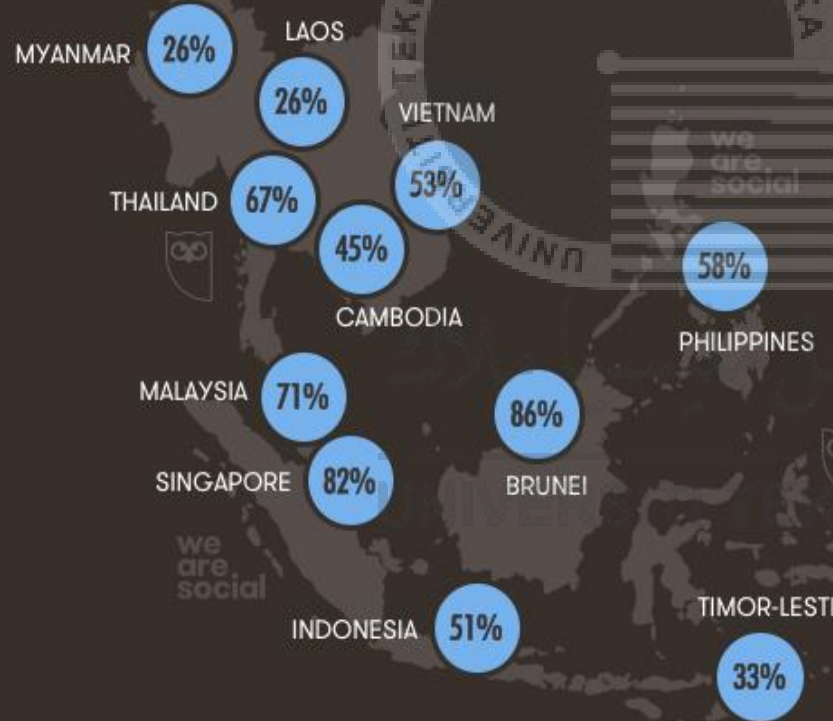




JAN 2017

# INTERNET PENETRATION IN SOUTHEAST ASIA

THE NUMBER OF INTERNET USERS IN EACH COUNTRY, COMPARED TO THE TOTAL NATIONAL POPULATION



**JAN  
2017**

# MALAYSIA

A SNAPSHOT OF THE COUNTRY'S KEY DIGITAL STATISTICAL INDICATORS



TOTAL  
POPULATION



**30.96**  
MILLION

URBANISATION:  
**76%**

INTERNET  
USERS



**22.00**  
MILLION

PENETRATION:  
**71%**

ACTIVE SOCIAL  
MEDIA USERS



**22.00**  
MILLION

PENETRATION:  
**71%**

MOBILE  
SUBSCRIPTIONS



**42.93**  
MILLION

vs. POPULATION:  
**139%**

ACTIVE MOBILE  
SOCIAL USERS



**20.00**  
MILLION

PENETRATION:  
**65%**

we  
are  
social

we  
are  
social

we  
are  
social

**SOURCES:** POPULATION: UNITED NATIONS; U.S. CENSUS BUREAU; INTERNET: INTERNETWORLDSTATS; ITU; INTERNETLIVESTATS; CIA WORLD FACTBOOK; FACEBOOK; NATIONAL REGULATORY AUTHORITIES; SOCIAL MEDIA AND MOBILE SOCIAL MEDIA: FACEBOOK; TENCENT; VKONTAKTE; LIVEINTERNET.RU; KAKAO; NAVER; NIKI AGHAEI; CAFEBAZAAR.IR; SIMILARWEB; DING; EXTRAPOLATION OF TNS DATA; MOBILE: G-SMA INTELLIGENCE; EXTRAPOLATION OF EMARKETER AND ERICSSON DATA.

 **Hootsuite™** we are social





**JAN 2017**

# DEVICE USAGE

PERCENTAGE OF THE ADULT POPULATION\* THAT CURRENTLY USES EACH KIND OF DEVICE



MOBILE PHONE  
(ANY TYPE)



**97%**

we are social

SMART PHONE



**81%**

LAPTOP OR  
DESKTOP COMPUTER



**37%**

TABLET  
COMPUTER



**14%**

TELEVISION  
(ANY KIND)



**92%**

Google

DEVICE FOR STREAMING  
INTERNET CONTENT TO TV



**3%**



E-READER  
DEVICE



[N/A]

we are social

WEARABLE  
TECH DEVICE



**3%**

64 **SOURCES:** GOOGLE CONSUMER BAROMETER, JANUARY 2017. FIGURES BASED ON RESPONSES TO A SURVEY. **\*NOTE:** DATA REPRESENTS ADULT RESPONDENTS ONLY. PLEASE SEE THE NOTES AT THE END OF THIS REPORT FOR MORE INFORMATION ON GOOGLE'S METHODOLOGY AND THEIR AUDIENCE DEFINITIONS.



JAN 2017

# INTERNET USE

BASED ON REPORTED ACTIVE INTERNET USER DATA, AND USER-CLAIMED MOBILE INTERNET USE



TOTAL NUMBER OF ACTIVE INTERNET USERS



**22.00**  
MILLION

we are social

INTERNET USERS AS A PERCENTAGE OF THE TOTAL POPULATION



**71%**

TOTAL NUMBER OF ACTIVE MOBILE INTERNET USERS



**21.21**  
MILLION

global web index

MOBILE INTERNET USERS AS A PERCENTAGE OF THE TOTAL POPULATION



**69%**

JAN 2017

# INTERNET CONNECTIONS: SPEED & DEVICES

AVERAGE INTERNET CONNECTION SPEEDS (IN KBPS), AND THE DEVICE THAT PEOPLE USE MOST OFTEN TO ACCESS THE INTERNET



AVERAGE INTERNET SPEED VIA FIXED CONNECTIONS



**7,471**  
KBPS

AVERAGE INTERNET SPEED VIA MOBILE CONNECTIONS



**3,516**  
KBPS

ACCESS THE INTERNET MOST OFTEN VIA A COMPUTER OR TABLET



**6%**

ACCESS EQUALLY VIA A SMARTPHONE AND COMPUTER OR TABLET



**19%**

ACCESS THE INTERNET MOST OFTEN VIA A SMARTPHONE



**71%**



JAN  
2017

# MOBILE USERS vs. MOBILE CONNECTIONS

COMPARING THE NUMBER OF UNIQUE MOBILE USERS TO THE NUMBER OF MOBILE CONNECTIONS / SUBSCRIPTIONS



NUMBER OF UNIQUE MOBILE USERS (ANY TYPE OF HANDSET)



**23.13**  
MILLION

MOBILE PENETRATION (UNIQUE USERS vs. TOTAL POPULATION)



**75%**

NUMBER OF MOBILE CONNECTIONS (SUBSCRIPTIONS)



**42.93**  
MILLION

MOBILE CONNECTIONS AS A PERCENTAGE OF TOTAL POPULATION



**139%**

AVERAGE NUMBER OF CONNECTIONS PER UNIQUE MOBILE USER



**1.86**

we are social

GSMA

GSMA

# TOP 10 SKILLS IMPORTANT IN THE WORKFORCE

## 2015

1. Complex Problem Solving



2. Coordinating with Others



3. People Management



4. Critical Thinking



1. Complex Problem Solving



2. Critical Thinking



3. Creativity



4. People Management



5. Coordinating with Others



5. Negotiation



6. Quality Control



6. Emotional Intelligence



7. Service Orientation



7. Judgement and Decision Making



8. Judgement and Decision Making

9. Active Listening



8. Service Orientation



9. Negotiation



10. Creativity



10. Cognitive Flexibility



## Future Work Skills 2020

While all six drivers are important in shaping the landscape in which each skill emerges, the color-coding and placement here indicate which drivers have particular relevance to the development of each of the skills.

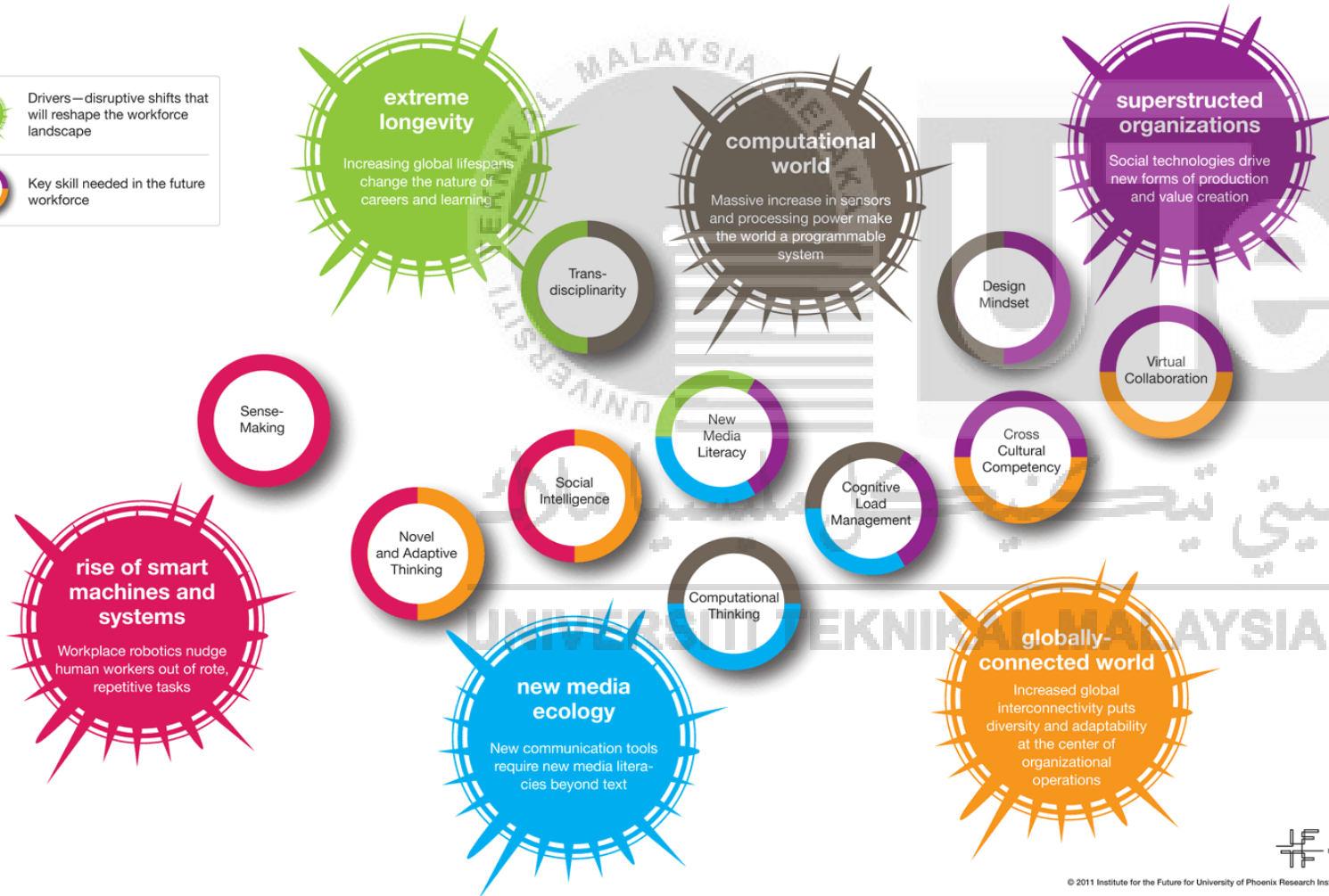
### KEY



Drivers—disruptive shifts that will reshape the workforce landscape

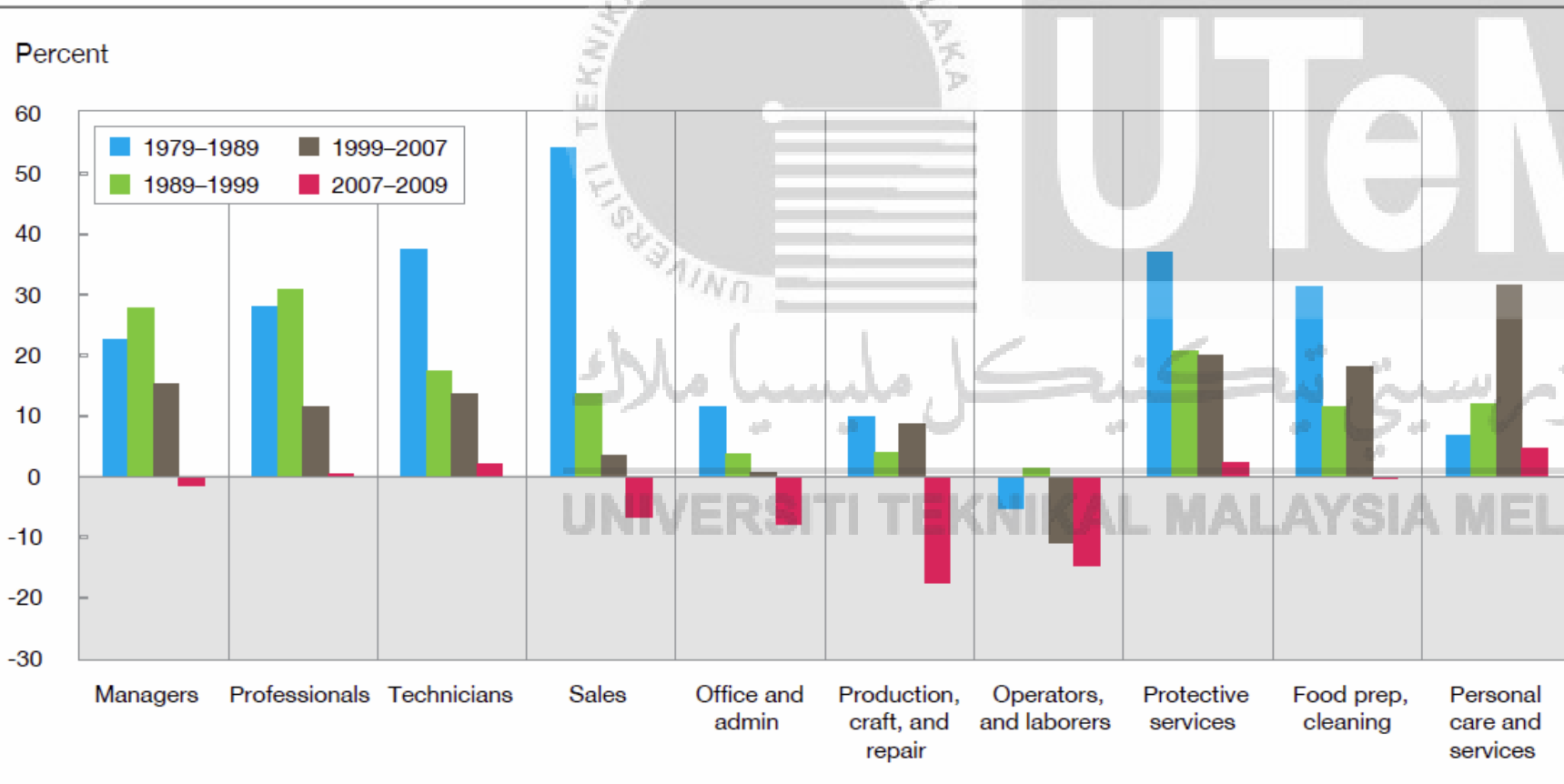


Key skill needed in the future workforce





## Change in employment by occupation, 1979-2009



## 1 Sense-making

**Definition:** ability to determine the deeper meaning or significance of what is being expressed

## 2 Social intelligence

**Definition:** ability to connect to others in a deep and direct way, to sense and stimulate reactions and desired interactions

## 3 Novel & adaptive thinking

**Definition:** proficiency at thinking and coming up with solutions and responses beyond that which is rote or rule-based

## 4 Cross-cultural competency

**Definition:** ability to operate in different cultural settings

## 5 Computational thinking

**Definition:** ability to translate vast amounts of data into abstract concepts and to understand data-based reasoning

# TEN SKILLS FOR THE FUTURE WORKFORCE



Institute for the Future for the University of Phoenix Research Institute

## 6 New-media literacy

**Definition:** ability to critically assess and develop content that uses new media forms, and to leverage these media for persuasive communication

## 7 Transdisciplinarity

**Definition:** literacy in and ability to understand concepts across multiple disciplines

## 8 Design mindset

**Definition:** ability to represent and develop tasks and work processes for desired outcomes

## 9 Cognitive load management

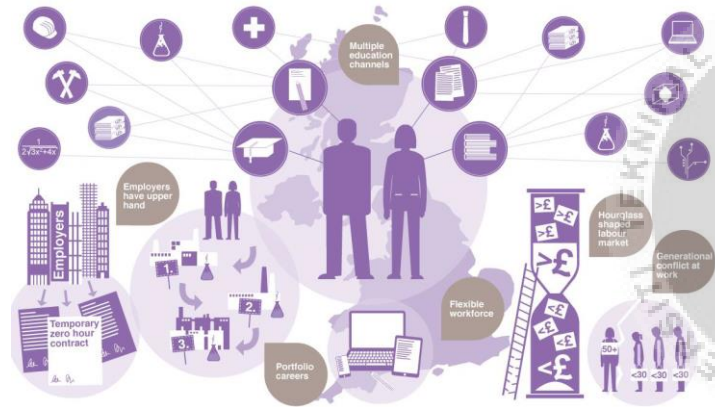
**Definition:** ability to discriminate and filter information for importance, and to understand how to maximize cognitive functioning using a variety of tools and techniques.

## 10 Virtual collaboration

**Definition:** ability to work productively, drive engagement, and demonstrate presence as a member of a virtual team.



## The scenarios at a glance



### Forced Flexibility (business-as-usual)

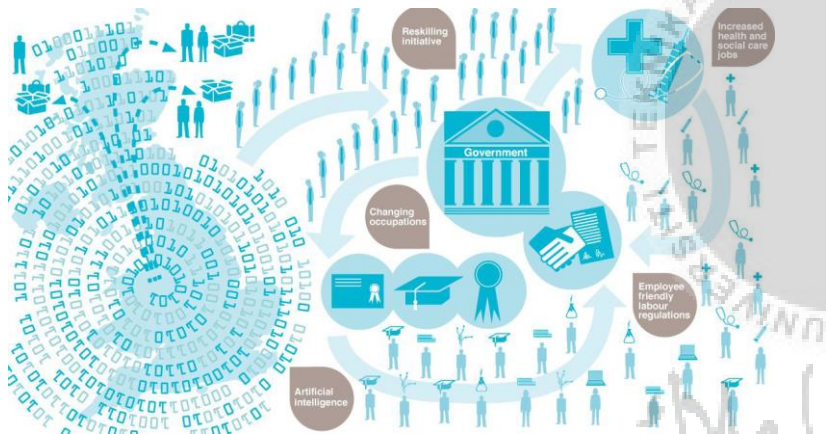
Greater business flexibility and incremental innovation lead to moderate growth in the economy, but this flexibility often results in fewer opportunities and weakened job security for the low skilled



### The Great Divide

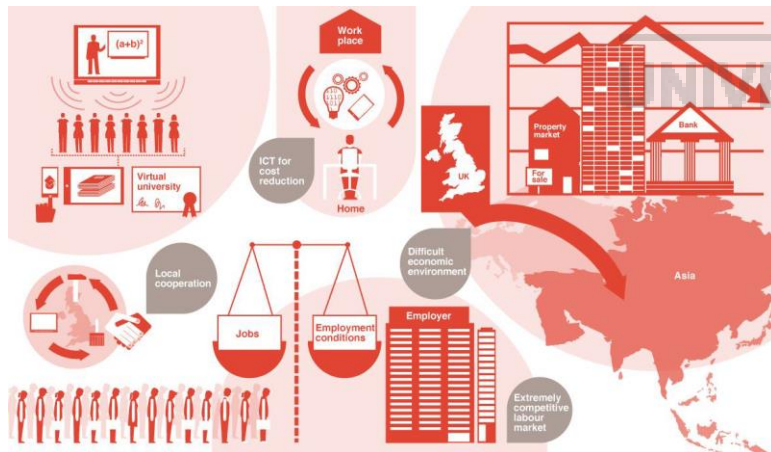
Despite robust growth driven by strong high-tech industries, a two-tiered, divided society has emerged, reinforcing the economic position of the 'haves' and 'have nots'

## The scenarios at a glance



### Skills Activism

Technological innovation drives the automation of white-collar work and brings large-scale job losses and political pressure, leading to an extensive government-led skills programme.

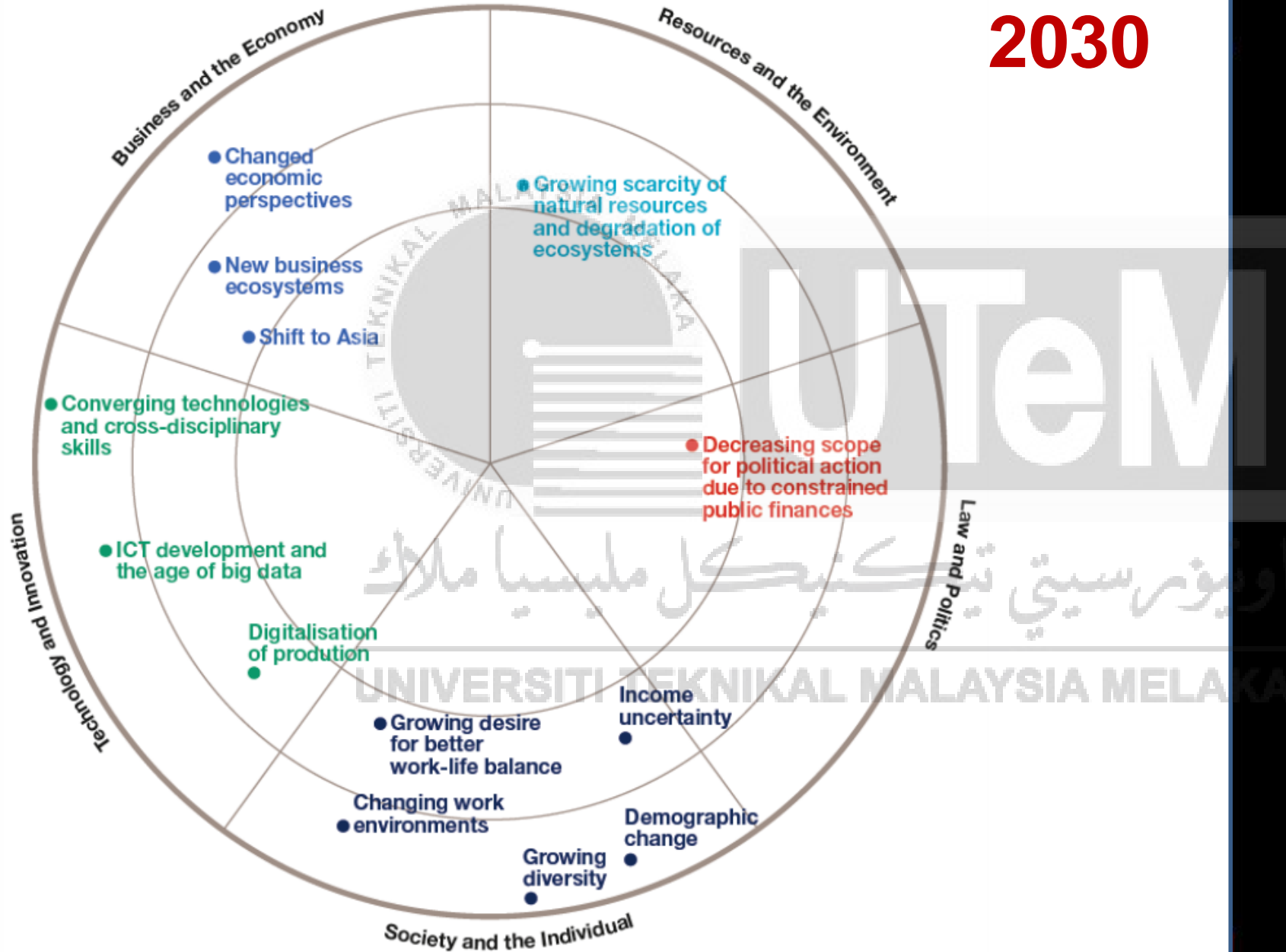


### Innovation Adaptation

In a stagnant economy, improved productivity is achieved through a rigorous implementation of Information and Communications Technology (ICT) solutions

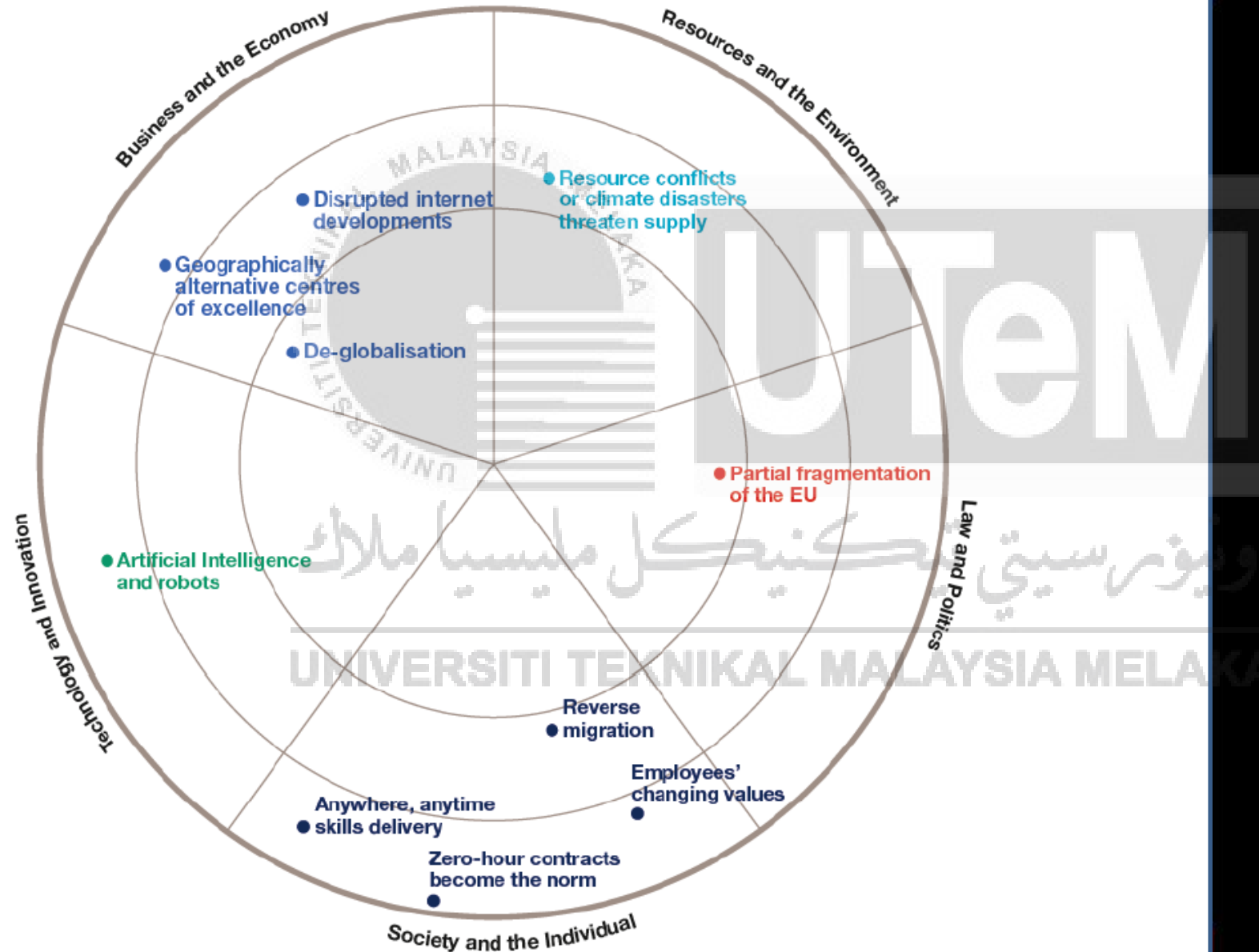
# Trends driving the future of UK jobs and skills

2030





# Disruptions with the potential to impact upon future jobs and skills in the UK 2030





UTeM

اوتوورسي تي تكنولوجيكل مليسيا ملاك

# IMPORTANT

*Information*

# CUTI BUKAN HAK

- Cuti adalah satu keistimewaan atau kemudahan yang diberikan oleh Kerajaan kepada anggota Perkhidmatan Awam.

KEHADIRAN PADA  
MAJLIS / PROGRAM  
RASMI UNIVERSITI

SEMESTER  
AKADEMIK  
BERLANGSUNG







Buangan dimasukkan di dalam botol minuman dan perlu dibuat pembungkusan semula.

- Buangan gagal dilabel dan disimpan di dalam bekas yang sesuai.
- Tiada pengasingan buangan terjadual mengikut keserasian buangan.

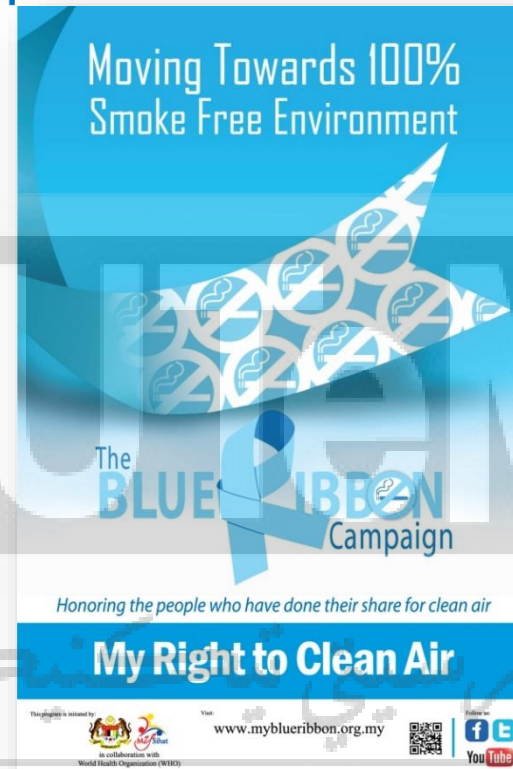
- Buangan tidak dilabel dan sukar dikenapasti.
- Tiada pengasingan buangan terjadual mengikut keserasian buangan.

Bekas tidak ditutup.

- Buangan tidak dilabel dan sukar dikenapasti.
- Tiada pengasingan buangan terjadual mengikut keserasian buangan.
- Diletakkan di atas lantai. Sisa cenderung ke alam sekeliling jika berlaku tumpahan.

## Kempen *Blue Ribbon*

Pengiktirafan dan penghormatan kepada individu & organisasi yang telah memberi sumbangan penting dalam usaha untuk melindungi orang awam daripada bahaya asap rokok melalui usaha advokasi kearah mewujudkan 100% kawasan bebas asap rokok.



**Audit penganugerahan semula Blue Ribbon  
" Kampus Bebas Asap Rokok"  
akan dijalankan pada  
9 Ogos 2017 (Rabu)**

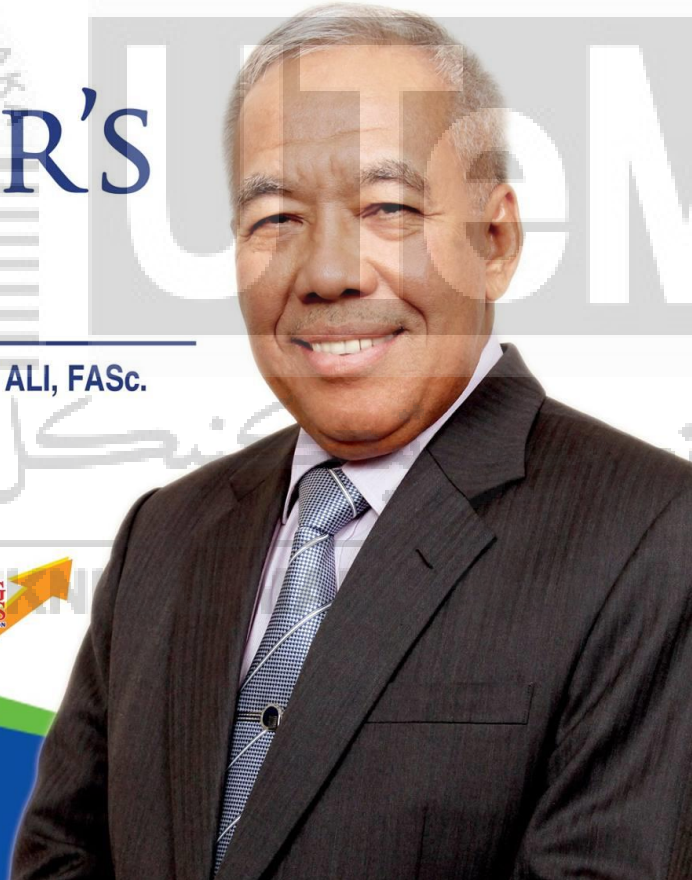


# Important Dates



# CHANCELLOR'S TALK

Oleh : ACADEMICIAN TAN SRI DR. IR. AHMAD TAJUDDIN ALI, FASc.  
**PENGERUSI LEMBAGA PENGARAH UTeM**



**10 OGOS 2017 | Dewan Besar UTeM**





**Perlawanan Akhir**  
**Liga Melaka Division 1 2017**  
**UTeM FC vs Gerakan FC**

**Stadium Hang Tuah**  
**13/08/2017, 8.45 malam**





UNIVERSITI TEKNIKAL MALAYSIA MELAKA

1957 - 2017

# Malaysia

UNIVERSITI TEKNIKAL MALAYSIA MELAKA

UNIVERSITI TEKNIKAL MALAYSIA MELAKA

Selamat Menyambut Hari Kemerdekaan Ke-60, 31 Ogos 2017



Terima Kasih

[www.utem.edu.my](http://www.utem.edu.my)



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# Perhimpunan

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are u connected?



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Sentiasa Merintis, Sentiasa Menerajui