

# ***Enhancing Prominence, Strengthening Development***

***MAJLIS AMANAT NAIB CANSOLOR UTM 2021***

*21 Januari 2021 | 8 Jamadil Akhir 1442H | 2.00 petang*

Ahmad Fauzi Ismail, PhD., FASc., CEng., Ts., FIChemE.



# ***Enhancing Prominence, Strengthening Development***

- 1** Research University
- 2** Achievement Highlights
- 3** Moving Forward 2021
- 4** The Challenges & The Focus
- 5** Our Appreciation
- 6** *Pesanan Penaja*
- 7** Concluding Remarks



# Research University: *Our Journey*

# Menyingkap Sejarah: *UTM Sanjungan Bangsa*

**16 September 1946**

Diasaskan sebagai  
**Maktab Teknik**



**1947**

Pengambilan **pelajar pertama**



**1 Mac 1955**

Pembukaan kampus **Jalan Gurney Kuala Lumpur**



**14 Mac 1972**

Bertaraf universiti **Institut Teknologi Kebangsaan**



**1 April 1975**

Pemasyhuran **Universiti Teknologi Malaysia (UTM)** oleh Seri Paduka Baginda YDPA



**10 Jun 2010**

UTM diberikan status **Universiti Penyelidikan**

*\*\* Kini telah melahirkan hampir **200,000 alumni***



# STATUS UNIVERSITI PENYELIDIKAN (RU) SEJAK 2010

## AMANAHAH

Seluruh warga UTM memegang erat amanah yang dipertanggungjawabkan kepada kita

## MARUAH

Seluruh warga UTM wajib mempertahankan status RU kerana ini maruah kita

## PERJUANGAN

Marilah kita teruskan perjuangan suci ini

*“Kerana Tuhan Untuk Manusia”*



**Our Achievement:** *Some Highlights*

# UTM Global Plan 2012-2020



**Penjajaran  
Universiti Global**

Pelan Global UTM 2020 diperkenalkan sempena Perutusan Tahun Baharu Naib Canselor UTM pada tahun 2012, dua tahun selepas Universiti diiktiraf menjadi Universiti Penyelidikan. Rasional pengenalan pelan ini adalah keperluan UTM untuk melonjakkan nama di peringkat antarabangsa, di samping pemerkasaan modal insan dan kepakaran universiti untuk bersaing di peringkat kebangsaan dan global.

Source <https://www.utm.my/smo/fasa-i-2011-2014/>



Source <https://www.utm.my/smo/fasa-ii-2015-2017/>



Source <https://www.utm.my/smo/fasa-iii-2018-2020/>

# UTM Global Plan 2012-2020

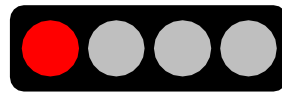
2012 2015 2018 2020



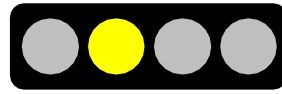
**KFA 1** Excellence in Learning and Teaching, and Transformative Campus Experience



**KFA 2** Research Excellence, Industry and Community Engagement



**KFA 3** Sustainable Campus, Infrastructure, Information and Communication Technology (ICT) System



**KFA 4** Talent Transformation, Governance and High-Performance Delivery



**KFA 5** Advancement and Business Development for Financial Sustainability



**KFA 6** Global Prominence and Branding



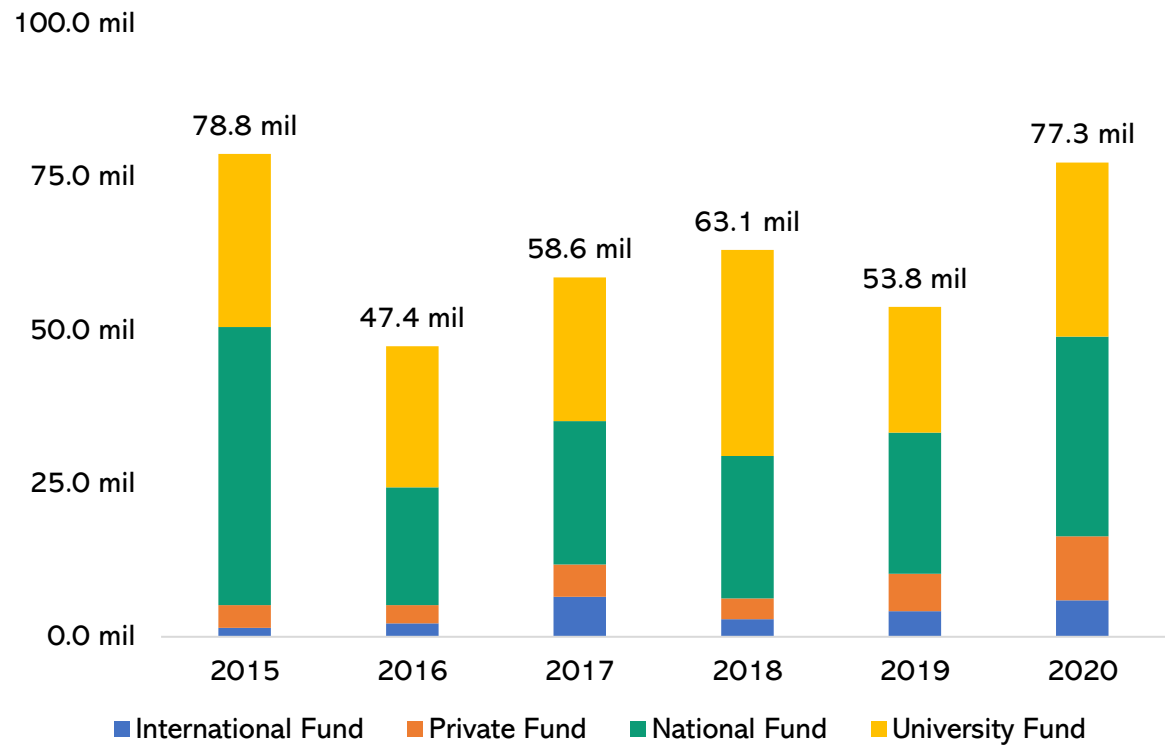
UTM Kuala Lumpur

Levels of Achievement
≥ 100%
90% - 99%
60% - 89%
< 60%



# Research Funding & Our Impact

Amount Research Funding Received (2015 - 2020)



Sg Kim Kim  
Rejuvenation Project



2 projects worth RM 3 mil  
benefitted 30 families &  
28 local entrepreneurs



Pagoh Halal  
Incubator



10 community engagement  
projects funded by the State  
Government (1 for each district)

**26%**

CAGR international  
funding (2015- 2020)

**19%**

CAGR private funding  
(2015- 2020)



BANGSA  
JOHOR  
BAHAGIA

PPR Rejuvenation  
Project @ Kangkar  
Pulai Apartment



13 KTP projects  
(2020-21) funded by  
UTM with 13 different  
communities

# Moving Forward: *Research*

# 5.91 ×

“

At the heart of the research university is its **academic staff**, which must be committed to the idea of **disinterested research** – knowledge for its own sake – as well as to the more **practical** elements of research and its use in contemporary society

”

**people** who published in Scopus and led a research project more likely to innovate compared to those do not have both\*

To fully participate in the **global knowledge economy** & to benefit from science and scholarship, countries believe they must have at least one **research university** at a **world-class level**. Thus, research universities are rapidly expanding from the Europe and North America to developing and emerging economies worldwide

It is imperative that **we** as the people embracing scholarly excellence at all levels

# i-CubeX Incubation Programme

"Hatcheries for UTM spin-off companies"

Towards UTM Envision 2025

## Pre Entrepreneur Ready Program

**Intellectual Property**

- Potential IP to be commercialised

**Researcher/  
Academician**

### Support

- IP & Licensing Management
- Training
- Funding

Research Funding

## Incubation Mentorship Program

### Skills Development

- Pitching Skills
- Product Market Driven
- Accelerator (Bootcamp)

Prototype Development Funding

## Business Enhancement Program

### Spin-off Establishment

- Venture Capital Matching
- Value Creation
- Brand Establishment

Product Proven & Qualified Funding

Technology Implementation Funding

## Post Business Survival & Sustainable

### Graduated Incubatee

- Products & Licensing
- Sales & Royalty
- Graduate Employability

Product Commercialisation Funding

External Fundings : Science Fund, FRGS, PRGS, Erasmus, MTDC, Cradle, Sandbox, HVA, MIGHT

Technology Readiness Levels

TRL 1

TRL 2

TRL 3

TRL 4

TRL 5

TRL 6

TRL 7

TRL 8

TRL 9

Advancing from Lab to Market

Complementary Shared Incubation Room

1 Year

Complementary Incubation Room + Shared Facilities

2 Years

Discount Business Space Rental

1 Year

### Infra-structure

Office Space & Facilities @UTM TechPark

## UTM Technovation Park

Technovation Valley for Entrepreneurial & High Tech Ecosystem

### Facts & Figures (2020)



5 Spin-off companies



8 Premises in MTDC



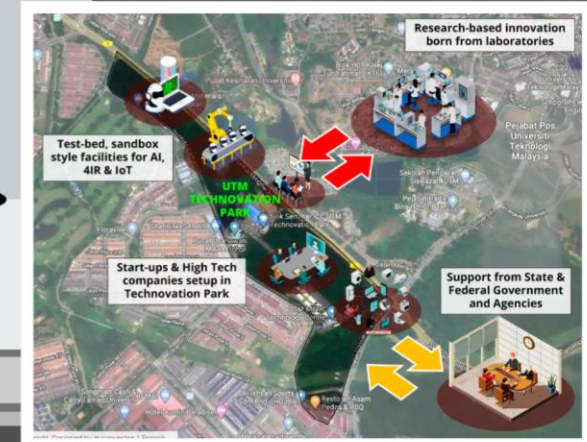
RM 376k Monthly communities income



> 41% Tenant occupancy



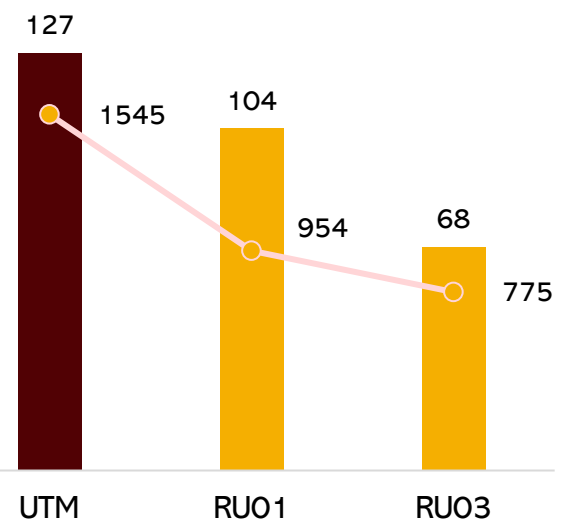
> 100 UTM student-interns per year



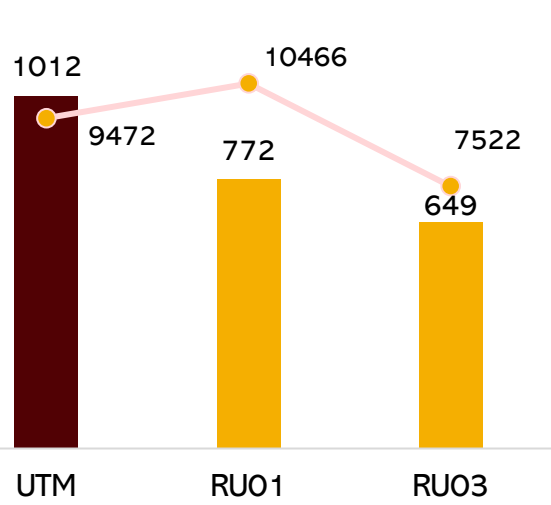
# Looking at the Bigger Picture: *The SDGs*



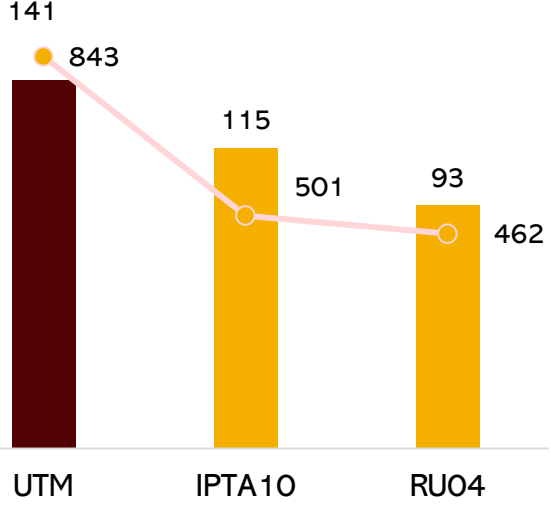
SDG6: Clean water & sanitation



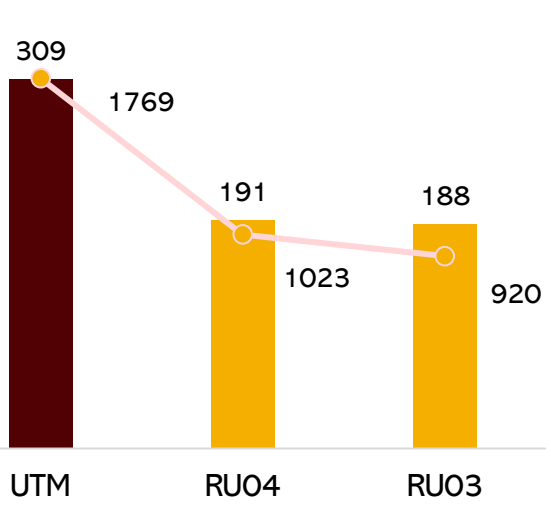
SDG7: Affordable & clean energy



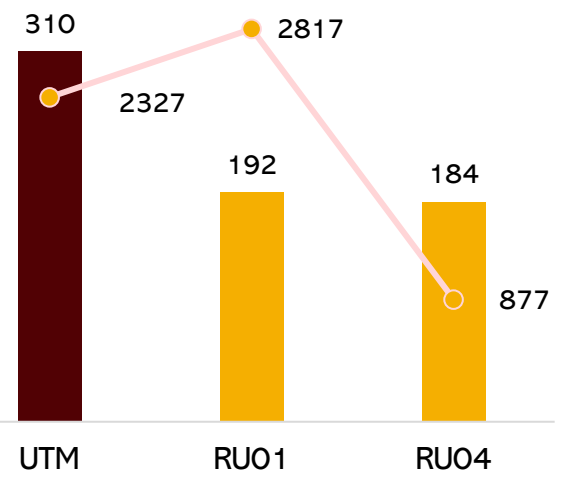
SDG9: Industry, innovation & infrastructure



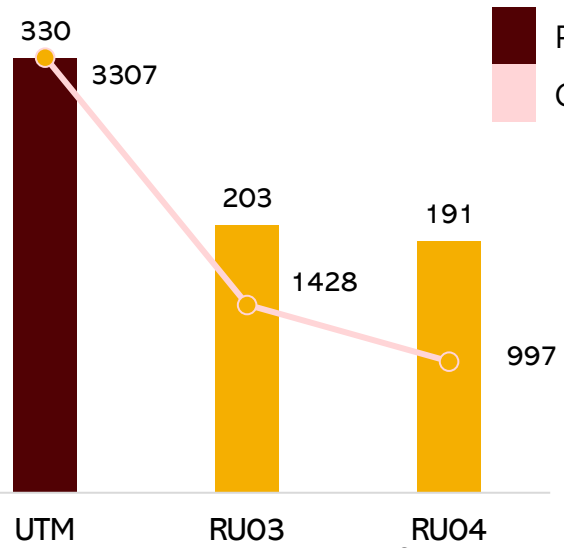
SDG11: Sustainable cities & communities



SDG12: Responsible consumption & production



SDG13: Climate action



Publication  
 Citation

**6/17**

SDGs were led by UTM in Malaysia\*

**12<sup>th</sup>**

ranked worldwide on SDG9

**11<sup>th</sup>**

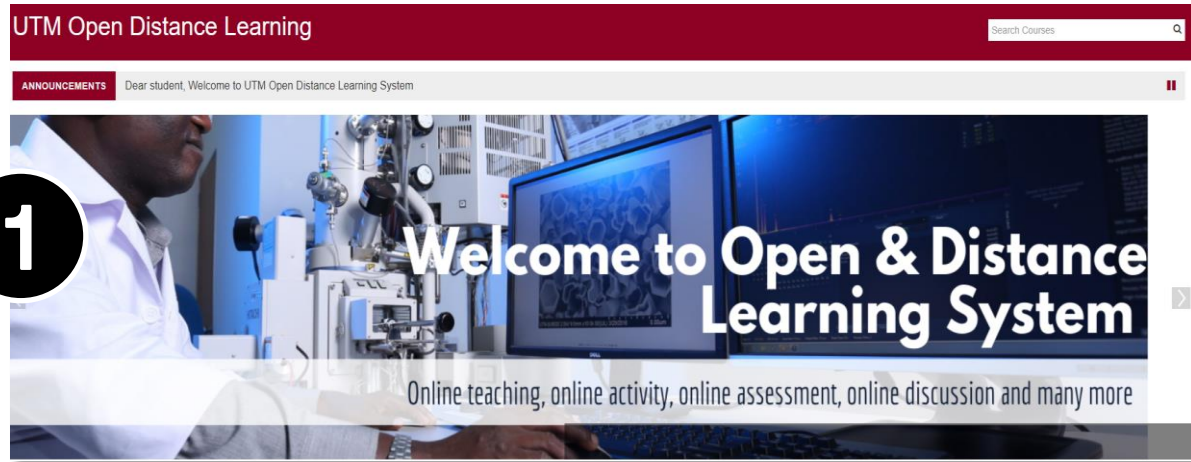
ranked worldwide on SDG12

**57<sup>th</sup>**

ranked worldwide on SDG7

\*Based on publications in Scopus, provided by Elsevier Singapore; SDG 17 was excluded due to the difficulty to create a custom query

# Innovation During Crisis: *UTM vs. COVID-19*



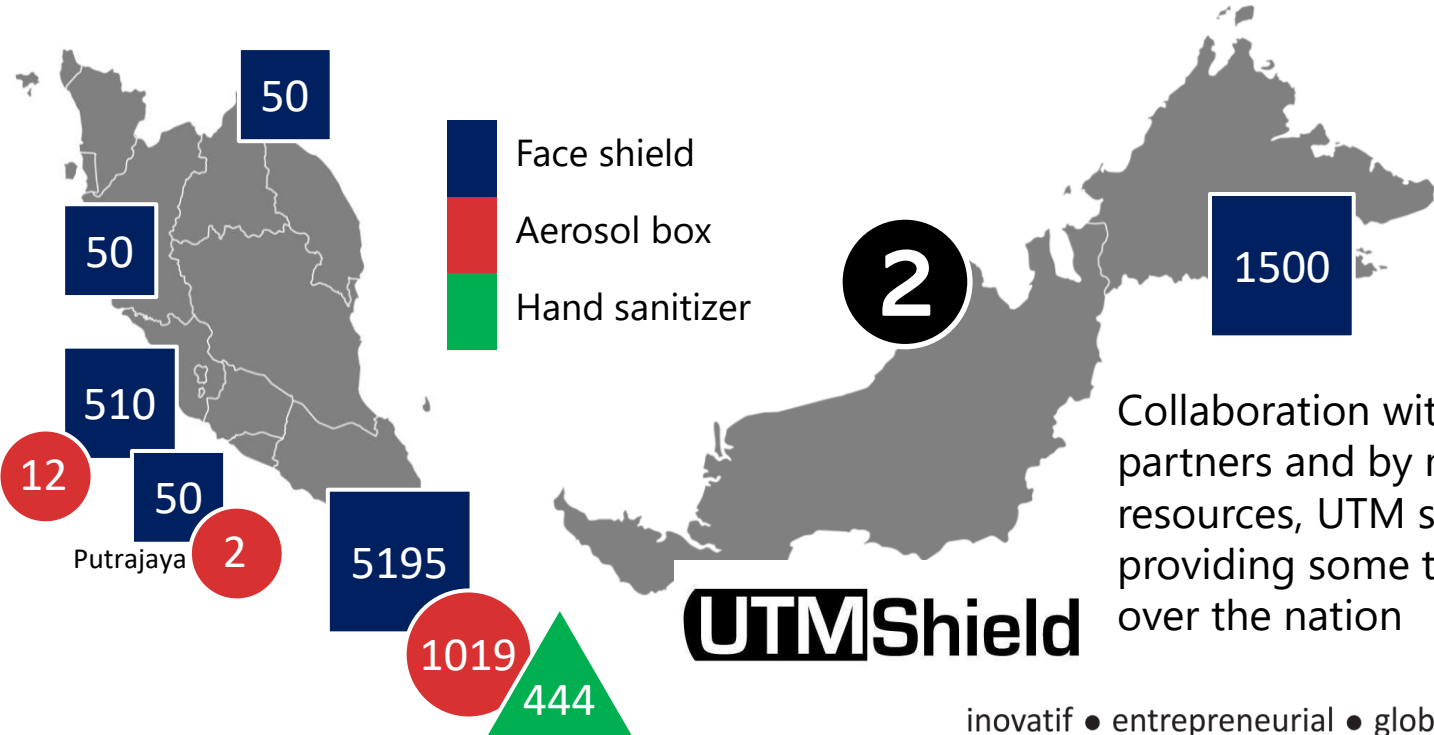
**1**

**3**

UTM ODL Programme in 2020

**127**

number of students



Collaboration with hospitals, international partners and by mobilizing our internal resources, UTM stands with our frontlines, providing some tools to fight COVID-19 all over the nation





## ACHIEVEMENT

2019

2020

2021

2022

2023

2024

2025



QS  
WUR  
2020

QS  
WUR  
2021

QS  
WUR  
2022

QS  
WUR  
2023

QS  
WUR  
2024

QS  
WUR  
2025

QS  
WUR  
2026

Target



180

150-160

130-140

110-120

90-100

<90

مسجد سلطان محمد

**Moving Forward as a Team: 2021**

# Amanat Menteri Pengajian Tinggi 2021:

*'Menginspirasi Minda, Mendakap Kehebatan'*

## 6 FOKUS STRATEGIK KPT 2021

1



Memperkasakan  
Agenda  
Pendigitalan  
Pendidikan

2



Memantapkan  
Jaringan  
Kolaborasi  
Strategik

3



Memperkukuh  
Kebolehpasaran  
Graduan

4



Memacu  
Kesejahteraan  
Komuniti

5



Mempersada  
Kecemerlangan  
Institusi

6



Menyemarakkan  
Semangat  
#KPTPrihatin



# What's Next for Us?

Vision



**A Premier University  
Providing World-Class  
Education and Research**

Mission

To Develop Holistic Talents and Prosper Lives  
Through Knowledge and Innovative Technologies

Core Values

**INTEGRITY**

**SYNERGY**

**EXCELLENCE**

**SUSTAINABILITY**

**ST 1 :**  
World-class  
Holistic  
Talents to  
extend the  
Frontier of  
Education  
and  
Research

**ST 2 :**  
Creative  
and Resilient  
Performance  
Delivery  
Through  
Emphatic  
And Agile  
Governance

**ST 3 :**  
Institutional  
Growth through  
Unique Niche  
and  
Specialisation  
for  
Long-term  
Sustainability

**ST 4 :**  
Transformative  
Life  
Experiences  
through  
Knowledge  
Empowerment  
and Trust

**ST 5 :**  
Global  
Eminence as  
Malaysian Top  
Research  
University in  
2025

Strategic Thrusts

**S1** – Produce holistic talent by developing high quality graduates

**S2** – Provide continuous upskilling of university staff to achieve excellence in education and research

**S3** – To inculcate UTM core values namely Integrity, Synergy, Excellence and Sustainability (ISES) into work and management ecosystem

**S4** – Strengthen UTM's R&D&C&I capability and resilience to champion emerging knowledge and research areas

**S5** – Nurture strategic nexus between Universiti-Industry-Government-Community (the quadruple helix) ecosystem to sustain university growth

**S6** – Provide sustainable campus experience to UTM's students, staff and surrounding community

**S7** – Enculturate data driven culture with high level of trust in technology

**S8** – Achieve global eminence as a distinguished Malaysia Research University in-line with national and global agenda

Strategic Priorities

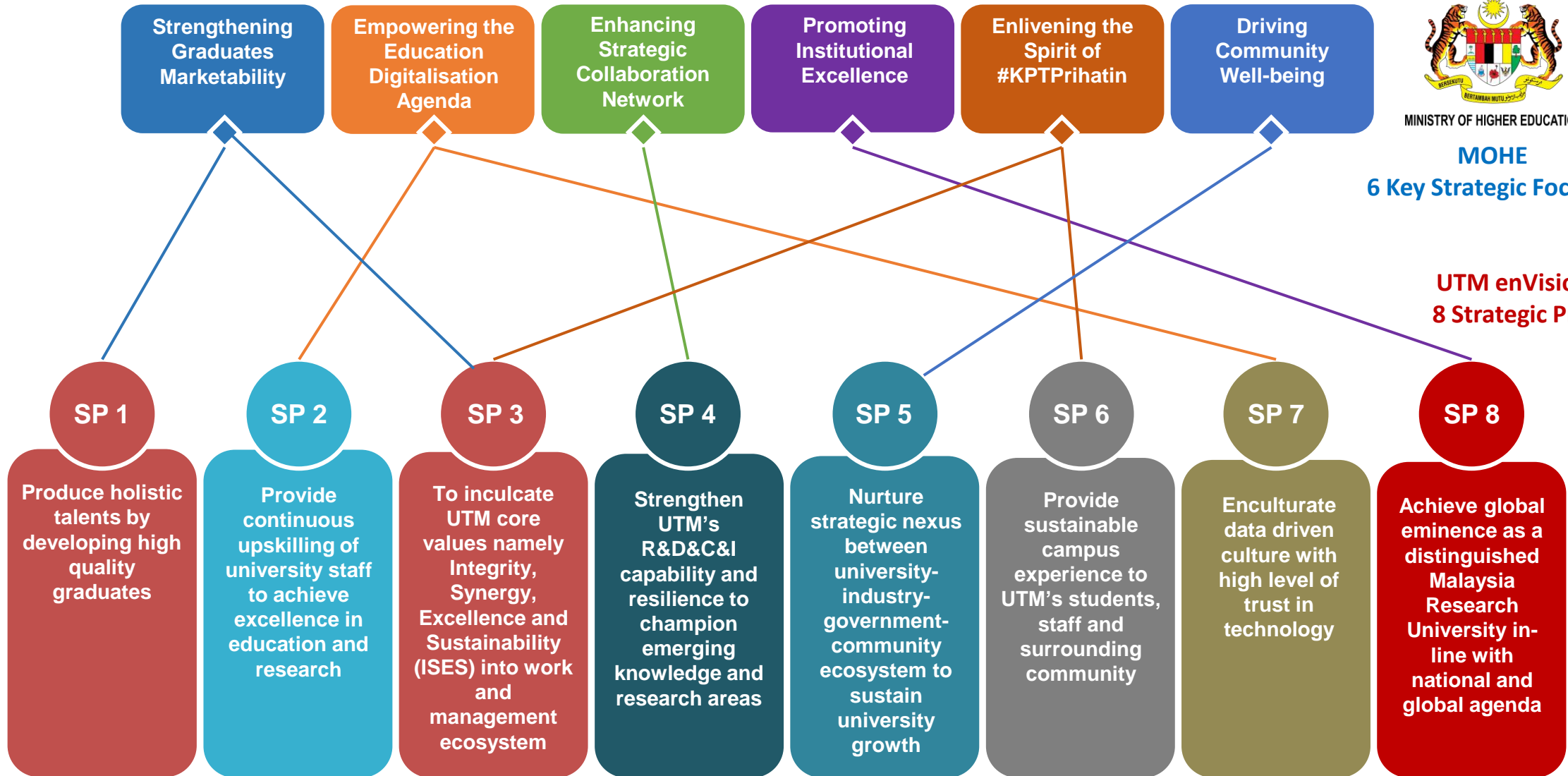
**STRATEGIC ALIGNMENT:** Aligning enVision UTM 2020 to national education agenda, the MOHE 6 Key Strategic Focuses



MINISTRY OF HIGHER EDUCATION

**MOHE**  
6 Key Strategic Focuses

**UTM enVision 2025**  
8 Strategic Priorities



# Building Culture of Excellence: *Role of the Institution*



- 1** Collegiality
- 2** Long term (clear) goals
- 3** Already-Present Characteristics

## KEY CHARACTERISTICS

- Recruitment and selection
- Clear coordinating goals
- Research emphasis
- Culture
- Positive group climate
- Mentoring
- Communication with professional network

## KEY CHARACTERISTICS

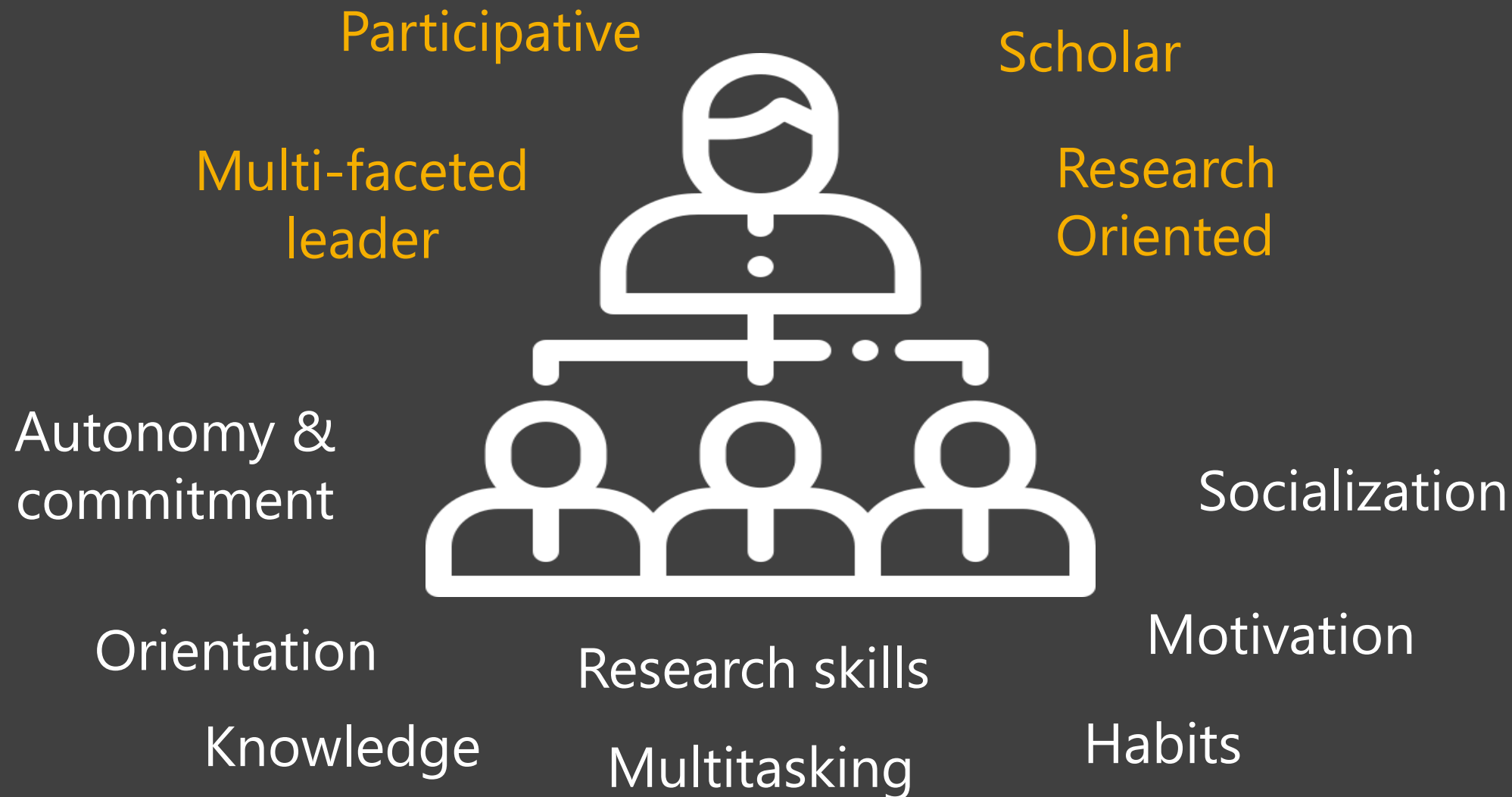
- Resources
- Sufficient work time
- Size/experience/expertise
- Communication
- Rewards
- Brokered Opportunities
- Decentralized organization
- Assertive participative governance

## INFLUENTIAL FACTORS

- ❑ Research-centered institutions provide supports including
- ❑ Effective Leadership and Clear Goals
- ❑ Faculty Training and Support Programs
- ❑ Research Centers
- ❑ Recognition of Research Production
- ❑ Encouragement of Faculty Collaboration
- ❑ Balanced Teaching and Research Responsibilities
- ❑ Pay that is Commensurate with Expectations

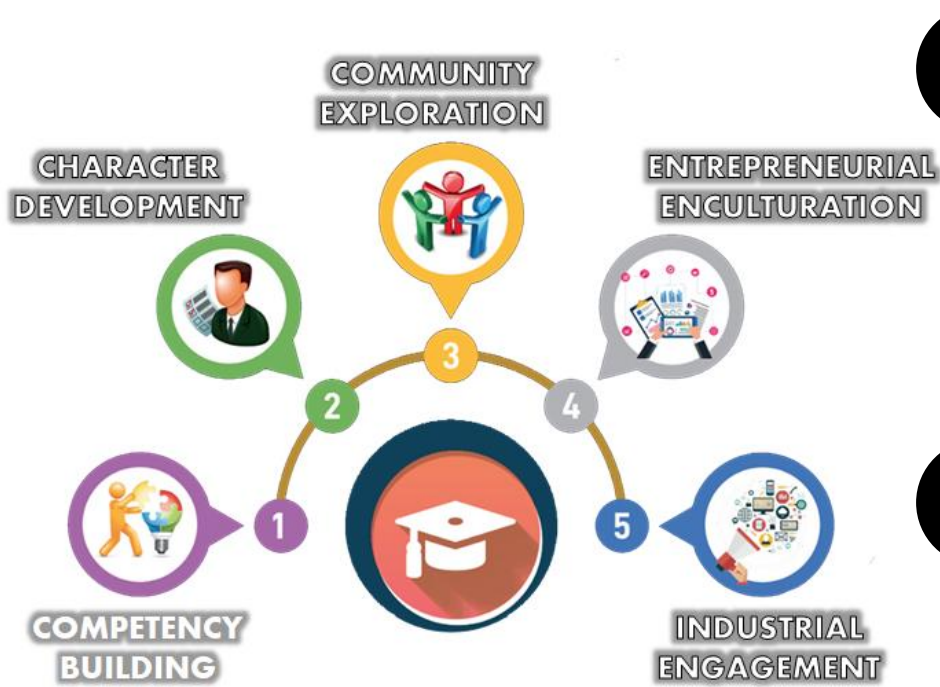
\*Bland, et al., "A theoretical, Practical, Predictive Model of Faculty and Department Research Productivity". Academic Medicine, 80(3) 2005. page 225-237  
 #Building a Culture of Research: Recommended Practices, Hanover Research May 2014.

# Building Culture of Excellence: *Role of the Leaders & Individuals*



\*Bland, et al., "A theoretical, Practical, Predictive Model of Faculty and Department Research Productivity". Academic Medicine, 80(3) 2005. page 225-237  
#Building a Culture of Research: Recommended Practices, Hanover Research May 2014.

# Moving Forward: *Students*



1

## **Life-Ready Graduates**

*"...embodying wisdom, humanity & entrepreneurial+ qualities; driven to prosper lives"*

*+ resilience, adaptable*

2

## **100% Graduate Employability Roadmap**

*"consisting of five levels of cross-cutting job preparation & tracking; pre- and post-graduation..."*

1

2

3

4

5



# TALENT

Each UTM staff is a potential talent to be developed through development and evaluation standards in order to suit the needs of UTM future workforce.

**“TALENT** – In any organization, talent is the **key to success.**”

Tan Sri Abdul Halim bin Ali  
UTM LPU Retreat 2020  
19 January 2021

## Competencies in Talent Management

- 1) Establish Competency Framework
- 2) Conduct Competency Assessment to support
  - *Recruitment*
  - *Placement*
  - *Retention*
  - *Promotion*
  - *Succession*
  - *Training & Development Processes*





# Challenges & Focus

## SYNERGY

Synergy instills team spirit, togetherness, inclusivity, collegiality, respect, humility, cooperation and collaboration.

## INTEGRITY

Integrity calls for adherence to sound moral values and strong ethical principles.



## EXCELLENCE

Excellence towards high performance and delivery will result in outstanding and remarkable achievement in all aspects.

## SUSTAINABILITY

Sustainability is reflected in the holistic drive by the campus community in integrating and balancing economic, social and environmental sphere.



# Overcome these Challenges, We Shall

## I.S.E.S

We need to institutionalize Integrity, Synergy, Excellence and Sustainability



## Digitalization

Focus on digitalization of education and delivery. Improving digital infrastructure



## Talent

Drive talent transformation plan



## Communication

Deepen staff connection with others and improve teamwork, decision making and problem-solving capacity





**PEOPLE  
MANAGEMENT**

**01**

**02**

**INSTITUTIONALIZE  
I.S.E.S**



**STRENGTHENING  
RESEARCH IMPACT**

**03**

**04**

**GOVERNANCE**



**HIGH PERFORMANCE  
DELIVERY**

**05**

# THE BIG (#5) THINGS

TO BE FOCUSED IN 2021

TOP

## PRIORITY



Student



Staff Welfare

**MINDSETS  
MEANS  
BECOMING  
THE BEST OF  
WHO YOU ARE**



**HAPPINESS  
DEPENDS  
ON YOUR  
MINDSET  
AND  
ATTITUDE**

ROY T. BENNETT

FEARLESSMOTIVATION.COM

# ATTITUDE IS EVERYTHING!



A **bad attitude**  
is like a flat tire

You can't go  
anywhere until  
you **change** it

01

## PEOPLE

Staff that fully understand the core values and perform to their best abilities

02

## SUCCESS STORIES (STUDENTS & ALUMNI)

Award winning – national and international  
Entrepreneurs, job creators  
Graduates that highly sought after by relevant industries

03

## PROMINENCE RESEARCH

Addressing the need of community  
Commercialization of research products  
AIM4STAR, University-Industry deep engagement

04

## COMMUNITY

High impact University-Community engagement



**Our Sincere Appreciation**

## Jasamu Dikenang *Disember 2020*



**DR. MD.RAZIB BIN ARSHAD**  
Sekolah Perniagaan Antarabangsa  
Azman Hashim



**EN. MOHD ROZIE BIN MARZUKI**  
Jabatan Canseleri



**PM DR RAMLI BIN ARIFIN**  
Fakulti Sains



**EN ABD.HALIM BIN MOHD DIAH**  
Jabatan Pendaftaran



**PROF DR.KAMARIAH BTE ISMAIL**  
Sekolah Perniagaan Antarabangsa  
Azman Hashim



**PROF. MADYA DR. MOHD SHAHIDAN BIN ABDULLAH**  
Fakulti Teknologi & Informatik Razak



**PN AHADIAH BINTI AHMAD**  
Jabatan Bendahari




**DR AMAT SAIRIN B. DEMUN**  
Fakulti Kejuruteraan



**EN SAHAIMI BIN ABDULLAH SANI**  
Fakulti Sains Sosial Dan Kemanusiaan



**PN FAUZIAH BTE ABD PATAH**  
Fakulti Sains



*Cincin perak batu permata, Dijaga disimpan di dalam peti,  
Biar berjarak di mata kita, Berenggang jangan di dalam hati*

## Jasamu Dikenang *Januari 2021*



**PROF. DR. JIMAAIN BIN SAFAR**  
Fakulti Sains Sosial Dan Kemanusiaan



**PM. DR. JOHAN BIN SOHALI**  
Fakulti Kejuruteraan



**PROF MADYA DR. ZAINOHA  
BT ZAKARIA**  
Fakulti Sains



**PROF MADYA DR AZIZAH  
BT RAJAB**  
Fakulti Sains Sosial Dan Kemanusiaan



**EN AYUB BIN ABU**  
Fakulti Kejuruteraan



**EN OTHMAN BIN SUDIN**  
Jabatan Pendaftar



**PROF DR. MOHAMMAD BIN  
ISMAIL**  
Fakulti Kejuruteraan



**PN ZAHARAH BTE AHMAD  
@ MD HASSAN**  
Jabatan Harta Bina



**DR. KAMAL AZAM  
BIN HJ BANI HASHIM**  
Fakulti Teknologi & Informatik  
Razak




**EN ABDUL MALIK BIN HAJI  
ABDUL GHANI**  
Jabatan Timbalan Naib Canselor  
(Hal Ehwal Pelajar)



**PN SITI ROHANA BTE  
MUSTAFA**  
Jabatan Timbalan Naib Canselor  
(Penyelidikan Dan Inovasi)



**EN. MD ANUAR BIN DUKOT**  
Jabatan Pendaftar



*Cincin perak batu permata, Dijaga disimpan di dalam peti,  
Biar berjarak di mata kita, Berenggang jangan di dalam hati*



# Sumbangan: Yayasan Bank Rakyat



Sumbangan Yayasan Bank Rakyat (YBR) sebanyak **RM1,000.00** kepada **100 pelajar** UTM dari golongan B40 melalui inisiatif prihatin **Bantuan Awal Pengajian (BAP)**

Pihak Universiti menerima dana sumbangan untuk dimasukkan ke Tabung Endowmen UTM sebanyak **RM10,000.00** di mana ianya merupakan hasil projek perundingan yang diketuai oleh Dr. Mohd Effandi Yusoff (AHIBS) melalui **Projek Pelan Pembangunan Mampaan Negeri Johor 2030 (PPMJ2030)**.

Projek ini merupakan **Dasar Pembangunan Negeri Johor bagi tempoh 10 tahun** yang digubal secara terperinci dan sistematik dalam mencapai status negeri berprestasi tinggi dan melahirkan bangsa Johor Bestari.

Sebanyak **RM5,000.00** disumbangkan ke **Tabung Endowmen Merdeka** dan **RM5,000.00** ke **Tabung Endowmen AHIBS**.



	inovatif • entrepreneurial • global www.utm.my	TARIKH DATE 17 JANUARI 2021
BAYAR PAY	<b>TABUNG ENDOWMEN MERDEKA</b>	<b>RM5,000.00</b>
RINGGIT MALAYSIA	LIMA RIBU SAHAJA	
DARIPADA FROM	DR. MOHD EFFANDI YUSOFF & TEAM PROJEK PEMBANGUNAN MAMPAN NEGERI JOHOR 2030	
525977 05 01191 5060368999 01		

	inovatif • entrepreneurial • global www.utm.my	TARIKH DATE 17 JANUARI 2021
BAYAR PAY	<b>TABUNG ENDOWMEN AHIBS</b>	<b>RM5,000.00</b>
RINGGIT MALAYSIA	LIMA RIBU SAHAJA	
DARIPADA FROM	DR. MOHD EFFANDI YUSOFF & TEAM PROJEK PEMBANGUNAN MAMPAN NEGERI JOHOR 2030	
525977 05 01191 5060368999 01		

**RM 750,000**

# PROGRAM JEJAK ASNAF & SERAHAN KOMPUTER RIBA

BANTUAN ZAKAT KHAS OLEH  
TABUNG HAJI UNTUK PELAJAR  
UTM KELAHIRAN JOHOR,  
PERAK DAN PAHANG

## PECAHAN AGIHAN :

JOHOR



RM 700

PERAK




KOMPUTER  
RIBA

PAHANG



PERAK : RM 1,100  
PAHANG : RM 2,800

 019-6861361

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

UNIT ZAKAT & KEBAJIKAN PUSAT ISLAM UTM



***"Pesanan Penaja"***

## PRESTASI JUALAN NOMBOR PENDAFTARAN KHAS UTM BAGI TEMPOH DISEMBER 2019 HINGGA 18 JANUARI 2021



PROMOSI TAHUN BAHARU 2021

**NOMBOR PENDAFTARAN  
KENDERAAN KHAS "UTM"**  
1 DISEMBER 2020 - 31 JANUARI 2021

**55%** Pembeli Nombor Bernilai  
Utama

**50%** Staf UTM \*

**45%** Pelajar, Alumni (atau Pemilik  
Syarikat) & Pesara UTM

**30%** Orang Awam  
& Syarikat

**JANGAN  
LEPASKAN  
PELUANG &  
DAPATKAN  
DISKAUN  
MENARIK**

Pertanyaan dan pembelian  
sila hubungi :

012-7721037 / 019-7270158 / 07-5531042

endowmen@utm.my / bida@utm.my

bida.utm.my

\* Staf UTM boleh membuat pembayaran  
melalui potongan gaji (maksimum 6  
bulan)

KATEGORI	BIL NO PLATE DIJUAL	JUMLAH JUALAN (RM)
ALUMNI	449	769,340.00
AWAM	314	518,555.00
PELAJAR	68	100,375.00
PESARA	29	40,875.00
SYARIKAT	79	468,090.00
STAF	351	388,759.00
<b>JUMLAH</b>	<b>1,290</b>	<b>RM2,285,994.00</b>

## PREVENTION OF COVID-19 OUTBREAK

Individual with **NO RESPIRATORY** Symptoms



**Do not spread rumours.**

Get the latest update on COVID-19 from the MOH website [www.moh.gov.my](http://www.moh.gov.my)



## PREVENTION OF COVID-19 OUTBREAK

Individual with **RESPIRATORY** Symptoms



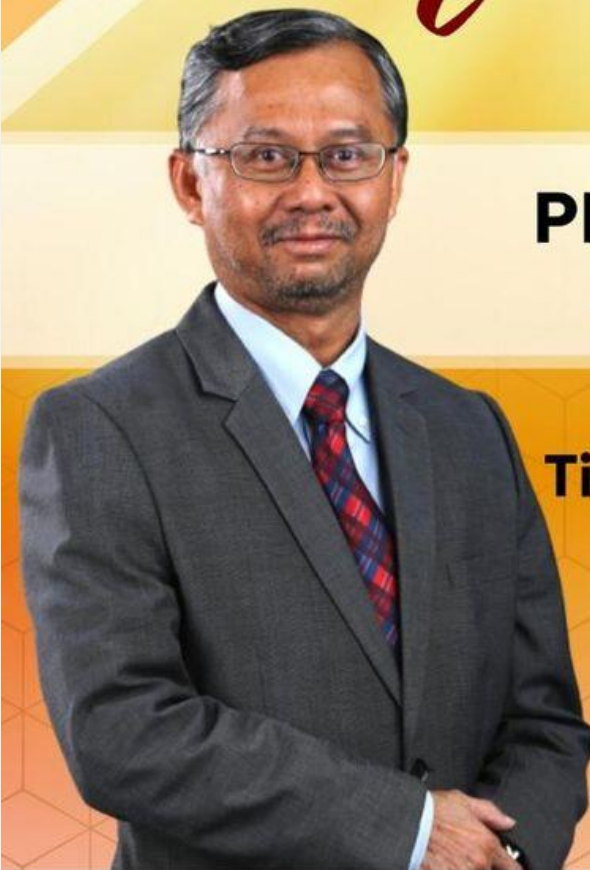
**Do not spread rumours.**

Get the latest update on COVID-19 from the MOH website [www.moh.gov.my](http://www.moh.gov.my)



# Tahniah

diucapkan kepada



**PROF. DR. SHAMSUL  
BIN SAHIBUDDIN**

Atas pelantikan sebagai  
**Timbalan Naib Canselor  
(Hal Ehwal Pelajar)**

berkuatkuasa  
**15 Januari 2021**

Daripada: Seluruh Warga UTM



**5 Star**  
QS Overall  
Rating

**TOP 40**  
Best  
Universities  
in Asia

**TOP 20**  
Universities  
under  
50 years of  
establishment

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





**Concluding Remarks**



**Are we satisfied?**


No, we shouldn't be

**Is it enough?**

Definitely not

**Did we give it 100%?**

Maybe, but we need more



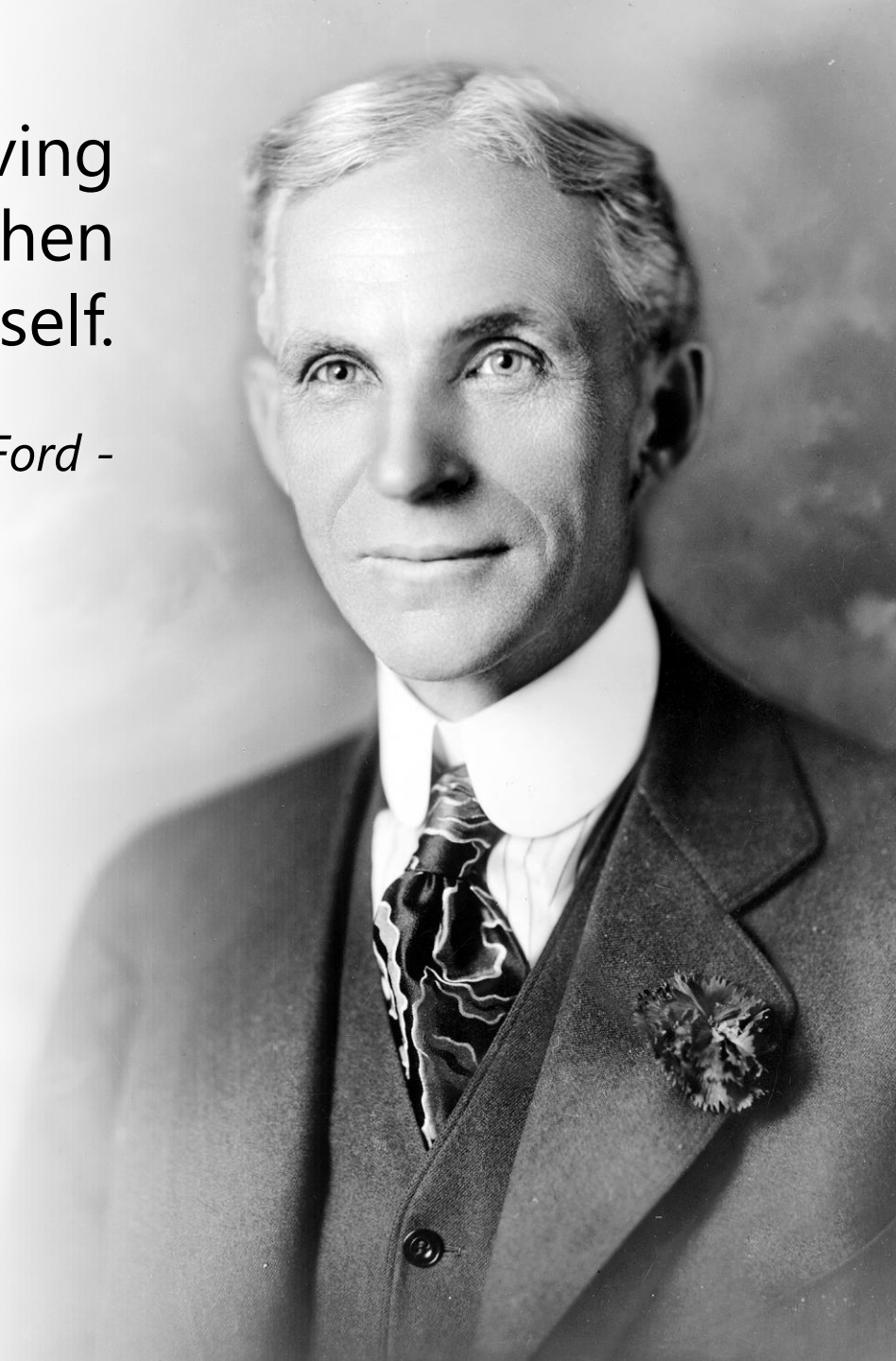
If everyone is moving  
forward together, then  
success takes care of itself.

- Henry Ford -

## **KEPIMPINAN TANGGUNGJAWAB BERSAMA**

“Setiap kamu adalah pemimpin dan kamu semua bertanggungjawab terhadap orang di bawah jagaanmu.”

- Hadis sahih direkod Imam Bukhari dan Muslim -



# KITA BERSAMA MENCARI REDHA ALLAH DI BUMI UTM

“

Wahai saudaraku! Meskipun saya telah dilantik untuk memimpin kamu, tidak berarti bahwa saya yang terbaik antara kamu semua.

Jika kamu melihat saya berada dalam kebenaran, **maka TOLONGLAH saya**. Tetapi jika kamu melihat saya berada dalam kebatilan, **maka LURUSKANLAH tindakan saya**.

Patuhilah saya, selama saya taat mematuhi perintah Allah. Jika saya melanggar perintah Allah, kamu semua tidak perlu lagi mematuhi perintah saya.

Saidina Abu Bakar As-Siddiq

”

A group of students at UTM are gathered behind large, yellow, 3D letters that spell out '#UTMmyhome'. They are holding several Malaysian national flags and a white flag with the UTM logo. The background features palm trees and a clear sky.

# Terima Kasih

'Kerana Tuhan Untuk Manusia'

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