



drwahid@utm.my



9 Sept 2014  
14 Zulkaedah 1435 H

Bertemu mesra, berkongsi rasa, mencambah minda #9, 2014



drwahid@utm.my



# The First 'Engagement'

## Wahid Omar

9 Sept 2013

3 Zulqaedah 1434 H

Bertemu mesra, berkongsi rasa, mencambah minda # 1 2013



# The Journey will continue...



Then did you think that We created you uselessly and that to  
Us you would not be returned?                    Al-Mukminun 115

# Moving forward



- Continue with the present plans (review, improvement, consolidate, enhancement)
- Inclusiveness and buy- in
- Facilitate and open up opportunities
- Efficient delivery system
- Efficient utilization of resources
- Conducive and productive environment



# UPDATE





You did it!  
*Congratulations*



**Professor Dr. Ahmad Fauzi Ismail, Dean of  
Research Alliances (Materials and  
Manufacturing)**

**The recipient of the prestigious Merdeka Award  
2014 for Outstanding Scholastic Achievement.**

# CONGRATULATIONS !

## UTM Wireless Communication Centre (WCC)



Being awarded the **HICoE status**  
by the Ministry of Education, Malaysia.

You did it!  
**Congratulations**



**Dr. Wan Rosli Wan Sulaiman ,**  
Faculty of Petroleum Engineering and Renewable Energy  
-Awarded the prestigious 2014 SPE Petroleum  
Engineering Junior Faculty Research Initiation Fellowship  
Award.



**Associate Professor Ir. Dr. Sharifah Rafidah Datu' Wan Alwi,**  
The Director of PROSPECT, Faculty of Chemical  
and Natural Resources Engineering  
-Awarded of ASEAN Young Scientist and  
Technologist Award (AYSTA) 2014-



5  
YEARS

# Engineering Accreditation Results

FACULTY	No. of Programmes	Accredited
FKA	2	2014-2018
FBME	1	2014-2018
FKE	4	2014-2018*
	3	2014-2016**
FKM	6	2014-2018*
FKK	2	2014-2018*
FPREE	1	2014-2018*

\* Interim report within 3 years

\*\* Programme to be phased out



## PROGRAM MALAYSIA LABORATORIES FOR ACADEMIA-BUSINESS COLLABORATION (MyLAB)

- Program penyelidikan yang berfokuskan kepada empat(4) bidang teknologi iaitu
  - ✓ nanoteknologi,
  - ✓ bioteknologi,
  - ✓ automotif dan
  - ✓ aeroangkasa yang melibatkan sekurang-kurangnya 3 makmal penyelidikan di pelbagai IPT serta industri yang berkaitan dalam melaksanakan projek penyelidikan.
- Program ini juga bertujuan untuk menghasilkan total solution showcase yang siap untuk dipasarkan melalui kolaborasi IPT dan industri.

### 1. Border Security System Onshore Compliance Operations

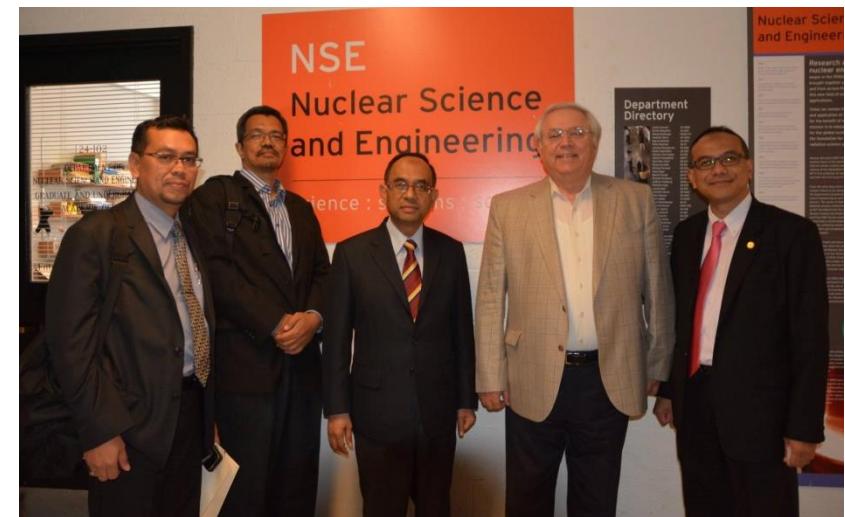
Dr. Sophan Wahyudi Nawawi  
MMRA / FKE

### 2. Design and Development of Rapid Airborne Geospatial Mapping System

PM Dr. Zulkepli Majid  
Infocomm / FGHT



# USA Visit





**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA



**mel.utm.my**  
*Di meja anda*

Nama pengguna

Kata laluan

Ingat nama pengguna saya  
(Abaikan jika komputer ini kegunaan ramai)

**Masuk**

**@utm.my**



# UTM NEW STUDENT INTAKE SEPTEMBER 2014 (AS 07<sup>TH</sup> SEPTEMBER 2014)

DIPLOMA	UG	PG		TOTAL
		BACHELOR	MASTER	
<i>nil</i>	<b>2378</b>	1061	244	<b>3683</b>
<b>TOTAL UG: PG</b>	<b>2378</b>	<b>1305</b>		<b>3683</b>
<b>%</b>	<b>64.57</b>	<b>35.43</b>		<b>100</b>
<b>LOCAL</b>	<b>2369</b>	1001	205	<b>3575</b>
<b>TOTAL</b>	<b>2369</b>	<b>1206</b>		<b>3575</b>
<b>%</b>	<b>66.27</b>	<b>33.73</b>		<b>100</b>
<b>INTERNATIONAL</b>	<b>9</b>	60	39	<b>108</b>
<b>TOTAL</b>	<b>9</b>	<b>99</b>		<b>108</b>
<b>%</b>	<b>8.33</b>	<b>91.67</b>		<b>100</b>

# UTM STUDENT ENROLMENT AS 07 SEPTEMBER 2014

DIPLOMA	UG			TOTAL
	BACHELOR	MASTER	PHD	
1703	10 115	7919	5258	24 995
TOTAL	10 115	13 177		23 292
% (UG & PG)	43.43	56.57		100

MALE:  
FEMALE  
RATIO  
50:50

LOCAL	9922	6595	2887	19 404
TOTAL	9922		9482	19 404
%	51.13		48.87	100

LOCAL:  
INTNL  
RATIO  
83:17

INTERNATIONAL	193	1324	2371	3888
TOTAL	193		3695	3888
%	4.96		95.03	100

# Sarjana Muda Sains (Pengurusan Ekuin)





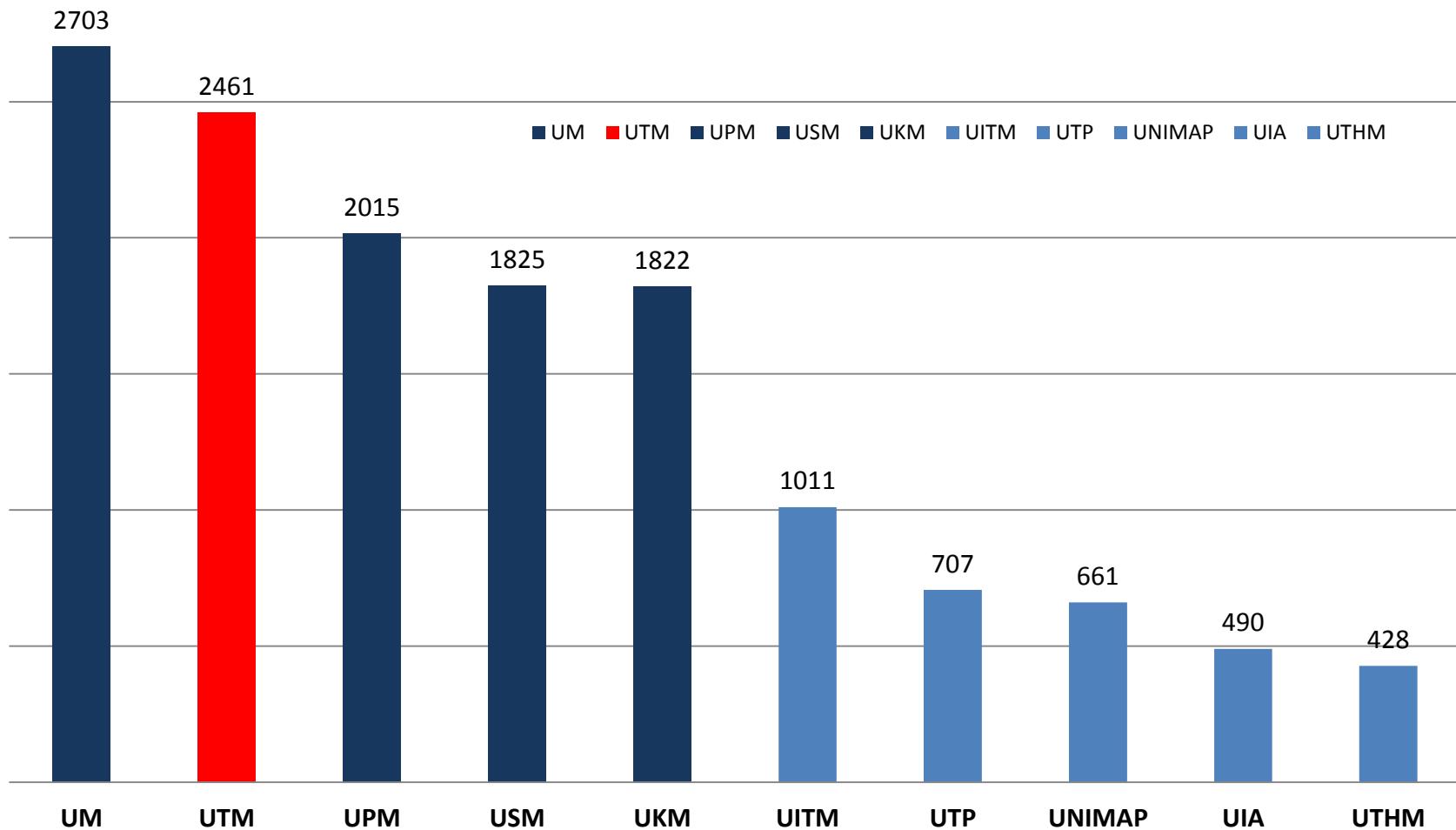
# Achievement of KAI Targets in Brief

## (January - June 2014)

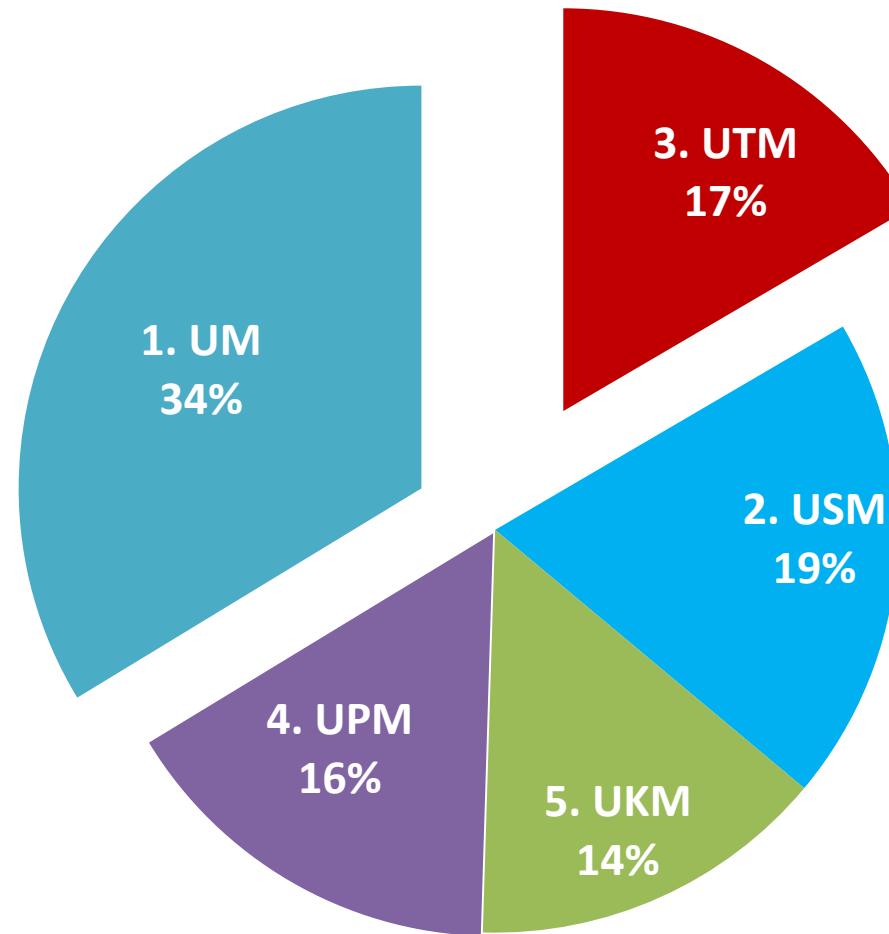
Level of Achievement	Number of KAIs	Percentage (%)
≥ 100% (Excellent)	19	43.18
95% - 99% (Very Good)	-	-
60% - 94% (Good)	7	15.91
< 60% (Fair)	18	40.91
<b>Total number of KAIs reported in Q2</b>	<b>44</b>	<b>100.00</b>
Quarterly reporting	43	
Biannual reporting	1	
Annual reporting	13	
<b>Total number of KAIs</b>	<b>57</b>	

	INDICATORS	JAN 2014	MARCH 2014	AUG 2014	2014	2020
1	<b>MYRA2 (2013 : 69.45 %)</b>	N/A	-N/A-	N/A	100	100
2	<b>STAFF WITH PHD</b>	1196 (74.95%)	1,246 (75.79%)	<b>1,271 (76.89%)</b>	1,530	2,100
3	<b>POSTGRADUATE NO.</b>	13,780	11,754 (52.5%)	<b>13,177 (56.57%)</b>	13,500 (60%)	13,500 (60%)
4	<b>PHD STUDENTS NO.</b>	5,140	4,927	<b>5,258</b>	5,500	7,000
5	<b>POST-DOCTORAL FELLOWS</b>	94	141	<b>156</b>	300	1,000
6	<b>MEAN INTAKE CGPA (UG)</b>	3.78	-N/A-	<b>3.72</b>	3.80	4.00
7	<b>RESEARCH GRANT (RM M)</b>	RM59 (M)	RM3.1 m	<b>RM33.2 m</b>	150	400
8	<b>INTELLECTUAL PROPERTY</b>	3,308	3,565	<b>3,808</b>	3,500	10,000
9	<b>SPIN-OFF COMPANIES</b>	143	160	<b>160</b>	200	1,000
10	<b>ENDOWMENT (M)</b>	49.2	RM50.06M	<b>RM53.4m</b>	80	500

# SCOPUS Publications Jan-July 2014



# Total RU Citations in SCOPUS (2014)



# UTM Global Plan 2012-2020

## PHASE 1

**2011-2014**

Alignment to  
be Global  
University

## PHASE 2

**2015-2017**

High impact  
programs

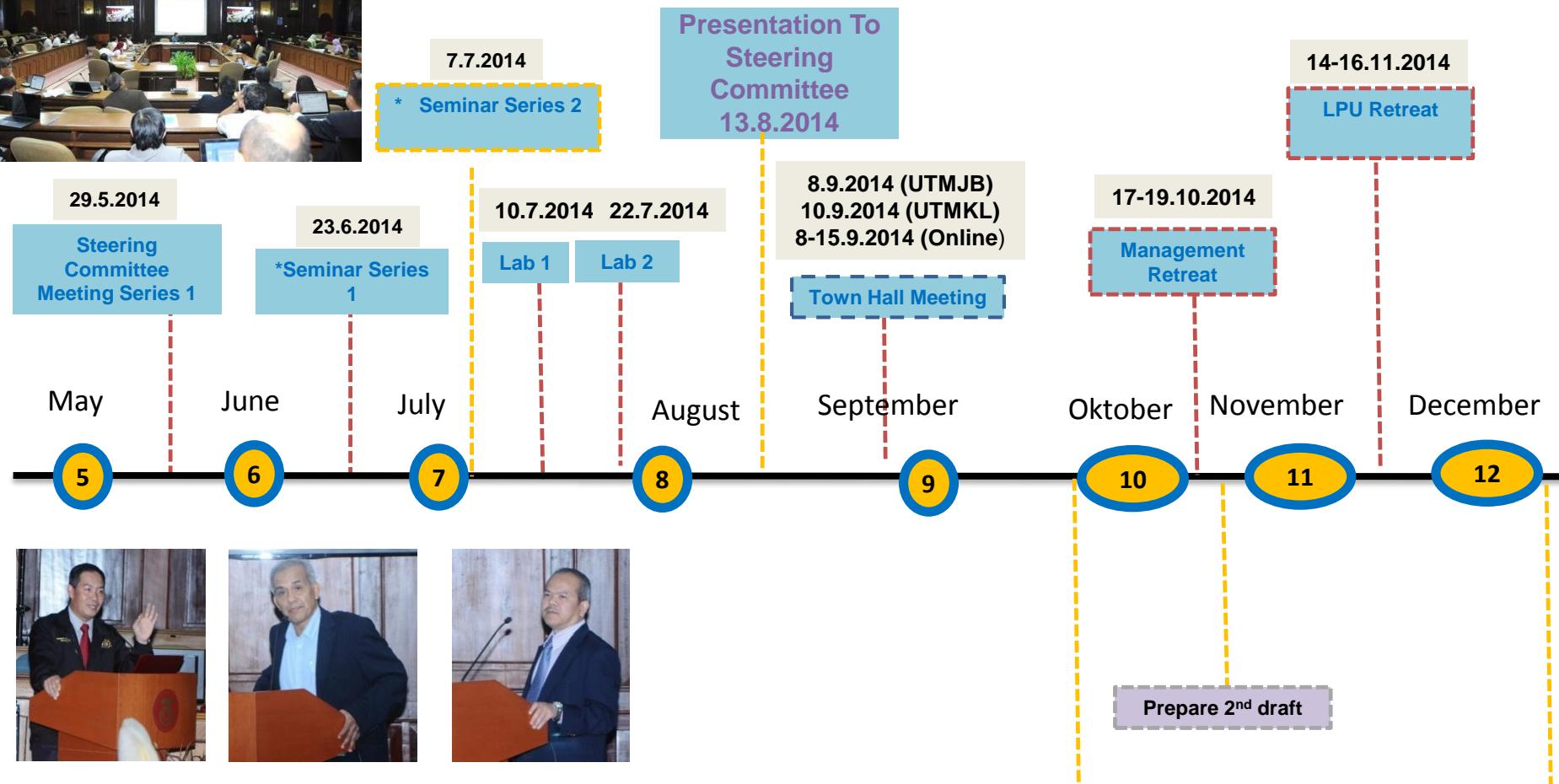
## PHASE 3

**2018-2020**

Strategic  
Transformation  
& Advanced  
Research

# Strategic Review and Planning Process of the UTM Global Plan

## Phase 2 (2015-2017) Timeline



- Seminar on Current Trends and Global Scenario In Higher Education  
Pejabat Naib Canselor  
9 Julai 2014

# Komen dari EPU

- Tidak menunjukkan *Value for money*
  - Keberhasilan yang tidak selaras dengan pelaburan
    - 21% GDP for education (16% Schools: 5% IPT)
  - Peningkatan perbelanjaan belanja mengurus dan pembangunan bagi sektor pengajian tinggi berbanding dengan pertumbuhan ekonomi negara
  - Pencapaian kualiti yang menurun berdasarkan U21 ranking of National Higher Education (28/50 or 22/50 countries adjusted to similar levels of economic development) bagi 2014
  - Biasiswa JPT – perlu belanja dalam lingkungan kemampuan

# Komen dari EPU

- Laporan Ketua Audit Negara yang tidak menggalakkan
    - Perancangan projek pembangunan yang kurang rapi
    - Perubahan skop dan lambat buat keputusan
    - Banyak pembaziran dan hasilnya kos meningkat
    - Projek pembangunan menghadapi kelewatan
    - Kualiti projek pembangunan kurang memuaskan
    - Peruntukan diajarkan tetapi projek belum berjalan
    - Lakukan audit dalaman yang lebih berkesan dan lebih kerap
- Audit Negara - 2 Oct 2014**

# What does EPU want from Higher Education?

- EPU requested that we read, study and discuss the following:
  - University of the Future by Ernst and Young
  - U21 Ranking of National Higher Education Systems 2014 (Resources (1/50), Environment (15/50), Connectivity (30/50), Output (44/50)
    - Movement of the country in U21 would signify value for money and quality of higher education offered.

# What does EPU want from Higher Education?

- KPI and Outcome for the higher education sector need to meet the following:
  - People oriented – “high tech –high touch” eg UM HIR Grant
  - Demand driven – result oriented
  - Cost effective – efficient and effective
  - Value for money
  - Quality
  - Timely
  - Impactful
  - System transformation
  - Image rebranding

<h2>Eliminate</h2> <ul style="list-style-type: none"> <li>• Government as the main paymaster <i>(Financial Sustainability)</i></li> <li>• Irrelevant / redundant courses</li> </ul>	<h2>Raise/Increase</h2> <ul style="list-style-type: none"> <li>• Quality and reputation <i>(HE Excellence &amp; Global Prominence)</i></li> <li>• International students (<i>Global Prominence</i>)</li> <li>• Autonomy (<i>Empowered Governance</i>)</li> <li>• R&amp;D Input (<i>Innovation Ecosystem</i>)</li> <li>• R&amp;D Output (<i>HE Excellence</i>)</li> <li>• Cost for student: value for money <i>(Global Prominence; Financial Sustainability)</i></li> </ul>
<h2>Reduce</h2> <ul style="list-style-type: none"> <li>• Private versus public HEIs (HEI Malaysia)</li> <li>• Duplication and inefficiency</li> <li>• Specialization at lower level courses</li> </ul>	<h2>Create</h2> <ul style="list-style-type: none"> <li>• Tropical themes <i>(HE Excellence and Global Prominence)</i> <ul style="list-style-type: none"> <li>• Life experiences</li> <li>• Tropical ecosystem</li> </ul> </li> <li>• Academia industry intensification <i>(Holistic Entrepreneurial and Balanced Graduates)</i> <ul style="list-style-type: none"> <li>• Industrial PhD</li> <li>• Industrial Professor (cap at 20%)</li> </ul> </li> <li>• South-South Cooperation Focus <i>(Global Prominence)</i></li> <li>• Talent with First Class Mentality and Values</li> </ul>

# Striving to be a high income nation

## PM: Local varsities must fulfil four main tasks

By ZUHRIN AZAM AHMAD  
and JEANNETTE GOON  
[newsdesk@thestar.com.my](mailto:newsdesk@thestar.com.my)

**PUTRAJAYA:** Local universities need to fulfil four main tasks as Malaysia moves towards becoming a high income developed nation, Datuk Seri Najib Tun Razak said.

The Prime Minister said the tasks were to create a knowledge-generating centre and the required manpower to carry out and fulfil the country's vision.

"This requires us to generate and create manpower with the capability and qualification to face the global competition which is constantly getting stiffer."

"We also want the next generation to be more educated so the universities should also be able to produce not just an academic person but a truly educated person," he said at the

National Academic Award presentation here yesterday.

Deputy Prime Minister Tan Sri Muhyiddin Yassin, who is also Education Minister, Second Education Minister Datuk Seri Idris Jusoh, and Deputy Education Ministers Datuk Mary Yap and P. Kamalanathan were also at the event.

Najib said another task for the universities was to provide innovative solutions to local companies, particularly those in the small and medium enterprise (SME) sector.

Muhyiddin said new methods of teaching must be used for students in the 21st century.

He said learning needed to be student-centred and commended those who had replaced the use of "chalk and talk" methods with other innovative approaches.

"Twentieth century methods are no longer applicable for the 21st cen-

tury students," he said at the ceremony, where three out of the eight winners had won awards for teaching.

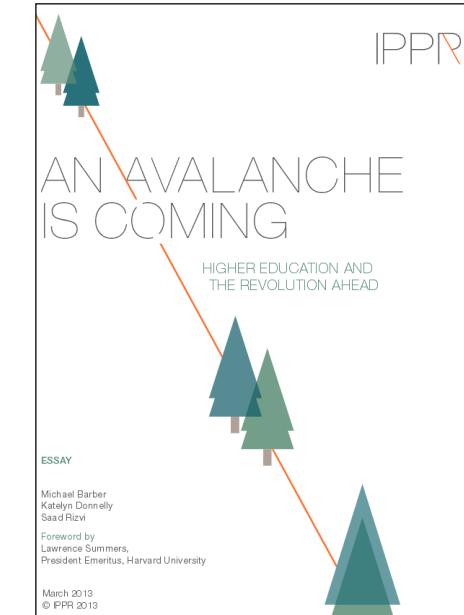
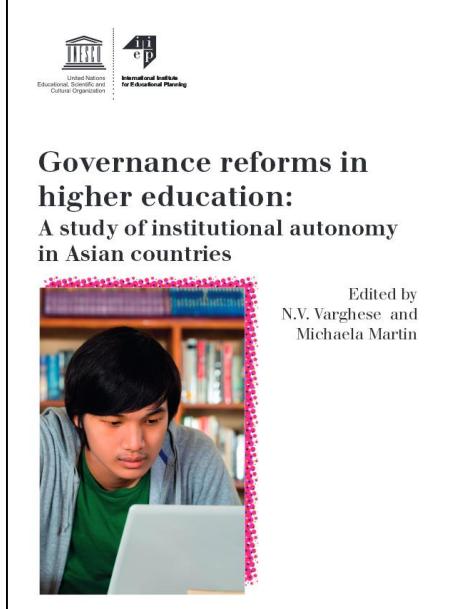
They are Assoc Prof Dr Raihanah Mohd Mydin from Universiti Kebangsaan Malaysia (UKM), Prof Dr Jayakaran Mukundan from Universiti Putra Malaysia (UPM) and Lim Chee Leong from Taylor's University.

Prof Emeritus Tan Sri Datuk Dr Mohd Rashdan Baba from UPM won the National Academic Leader Award for his contribution to the field of education.

The other award winners are Prof Dr Rahinah Ibrahim from UPM (Art and Creativity Award), Prof Dr Azni Idris from UPM (Innovation and Product Commercialisation Award), Dr Norhayati Ab Rahman from Universiti Malaya (UM) (Book Publishing Award) and Prof Dr Sheila Nathan from UKM (Journal Publishing Award).



**Academic excellence:** Dr Mohd Rashdan with his trophy during the awards ceremony in Putrajaya.



Deep, radical and urgent transformation is required.

# PGU 2012-2020 (Behind the scene)



# The key success factors

- Leadership
- Shared vision and mission
- Clear goals
- Resources
- DNA



誠  
SINCERITY





**“Sesungguhnya Allah  
tidak akan mengubah  
nasib suatu kaum  
kecuali kaum itu  
sendiri yang mengubah  
apa apa yang pada diri  
mereka ” QS 13:11**



