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NATIONAL ORGANIZATIONS OF GRADUATE DEANS: EXPLORING OPPORTUNITIES FOR GLOBAL DIALOGUE

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Council (MyDEGS)

Dean, School of Graduate Studies,
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INSPIRING CREATIVE AND INNOVATIVE MINDS

THE 10th MALAYSIAN PLAN : HIGHER EDUCATION SECTOR'S STRATEGIC DIRECTION



A DEVELOPED NATION
BY 2020

10th MP (2011-2015)

Transforming Innovation, Knowledge Generation, High Ethical Values

- Polytechnics
- Community Colleges
- Smart Partnership
- LLL Hub
- International Hub
- Graduate technopreneur
- Promotion
- MRA



OUTCOME



- Infrastructure
- Facilities
- FRGS
- Liberalisation Private HEIs
- Strategic Collaboration
- Top business school
- Retraining
- Reskilling
- Teaching hospital

7 Strategic Thrusts: The National Higher Education Strategic Plan (2007-2020)

Thrust 1: Widening of Access and Increasing Equity

Thrust 2: Improving the Quality of Teaching and Learning

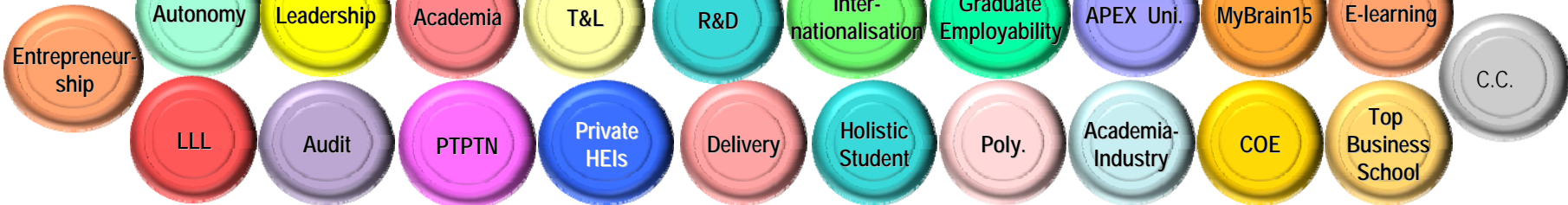
Thrust 3: Enhancing Research and Innovation

Thrust 4: Strengthening of Higher Education Institutions (HEIs)

Thrust 5: Intensifying Internationalisation

Thrust 6: Enculturation of Lifelong Learning

Thrust 7: Reinforcing Delivery Systems of MoHE



22 CRITICAL AGENDAS

“Education as a transformational tool in moulding and determining a nation’s future”

YAB Dato' Seri Mohd Najib bin Tun Abdul Razak, Prime Minister of Malaysia



HIGHER EDUCATION TRANSFORMATION MODEL

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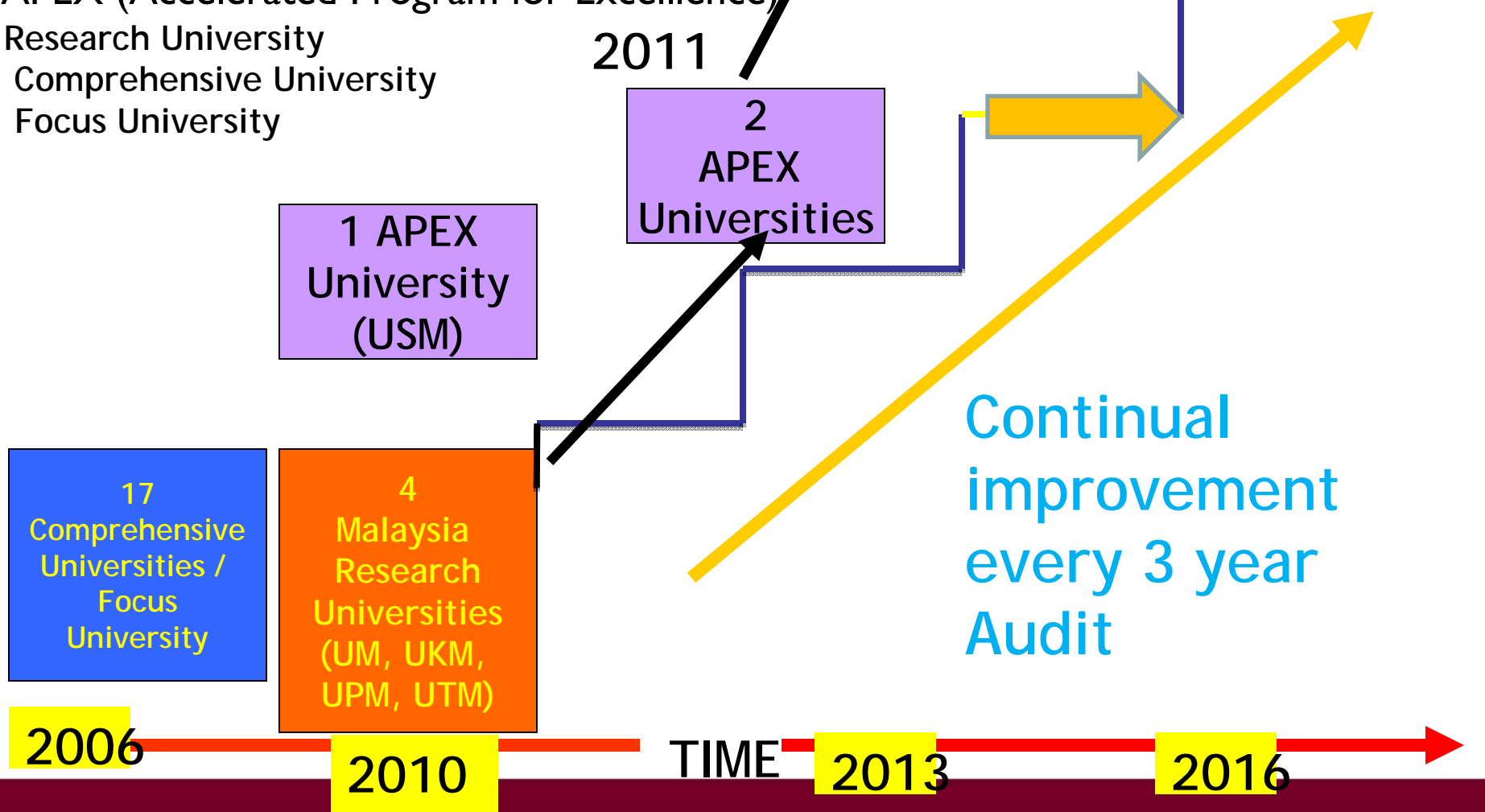
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2025?

World
Research
University

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- APEX (Accelerated Program for Excellence)
- Research University
- Comprehensive University
- Focus University





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Malaysia's Graduate Student Enrolment - 2009

NO OF GRADUATE STUDENT (ENROLMENT) 2009

ITEMS	RU	NON-RU	TOTAL IPTA
No of PhD student (enrolment)	12,574	3,851	16,425
No of graduate students	45,922	18,327	64,249

NO OF PhD STUDENT (ENROLMENT) Local and International 2009

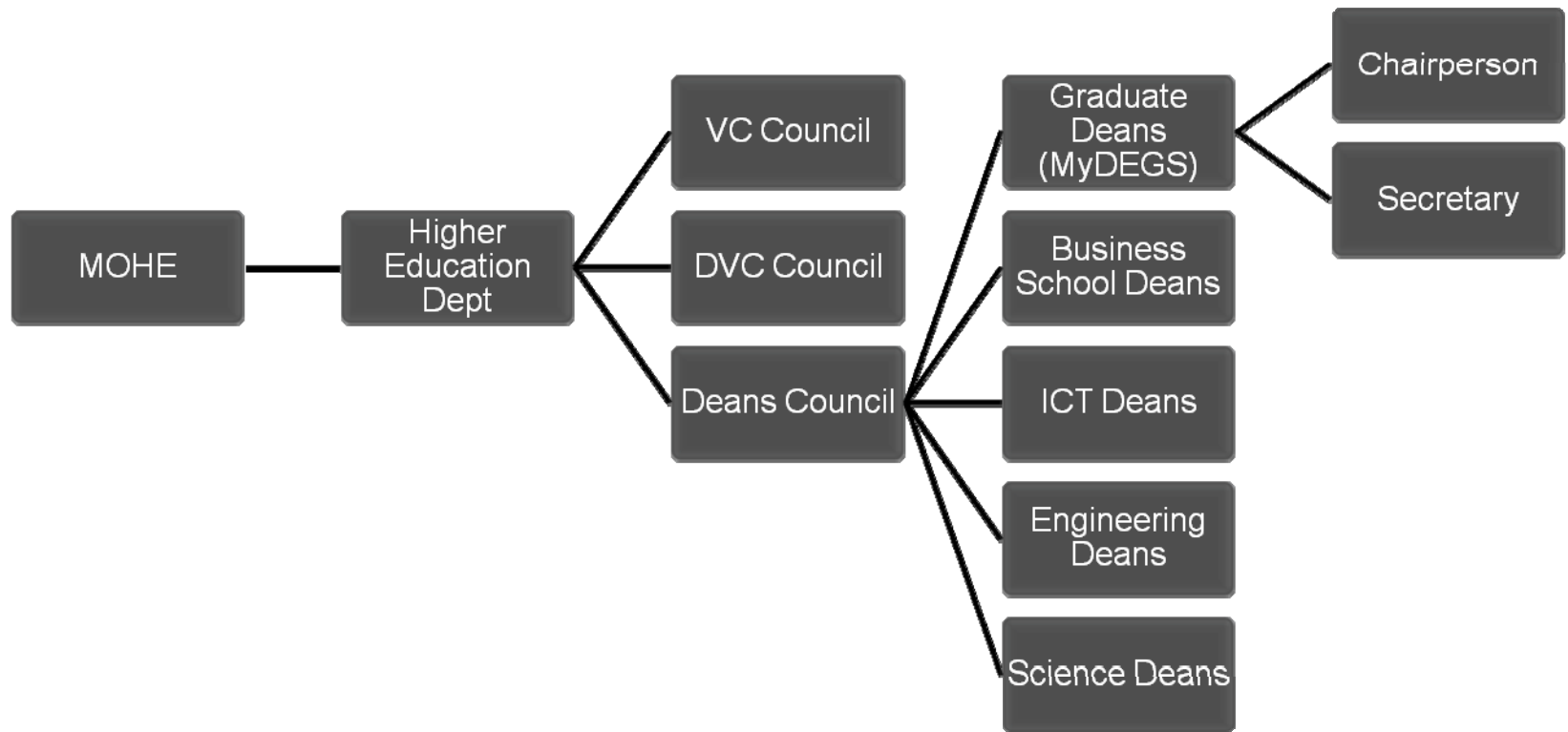
ITEMS	RU	NON-RU	TOTAL IPTA
No of PhD student (Local)	7,584	2,144	9,728
No of PhD student (International)	4,990	1,571	6,561



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Governance Structure MyDEGS within MyDEGS





Malaysia Deans of Graduate Studies Council - MyDEGS

History

- Founded in April 1998
- Initiated by a group of 4 Graduate Deans of Public Universities.
- A chairperson is elected by the members for a term of 2 years.
- The elected Dean's institution becomes MyDEGS Secretariat.
- Self initiated by the public universities

Current

- 23 members, comprising all 21 public universities and 2 Government-linked universities.
- Universiti Teknologi Malaysia is the 5th. Secretariat.
- UTM Graduate School Dean is Rose Alinda Alias, PhD, alumni of Univ of Miami, Coral Gables, USA (B.Sc, M,Sc and MBA, and Salford Univ, UK (PhD).
- Appointments made by MOHE

Objectives

- Share best practices, exchange ideas, experiences and networking among its members for mutual benefits.
- Give input to the MOHE, MQA and other stakeholders regarding graduate education.



Main Activities of MyDEGS

Quarterly Meetings

- Every 4 months ie 3 times/year.
- Most recent:
 - 26th Meeting held on 26 Nov 2010.
- Host of the general meeting is by voluntary basis, funded by that institution.
- Discuss issues of common interest as in the agenda.

International Conference for (Post) Graduate Education

- Bi-annually, every 2 years.
- Most recent:
 - 4th ICPE held on 27-28 November 2010.
- Research PhD/Masters students present research progress in front of panel for comments and selection of best presenters.

Workshops

- 3-4 times/year, funded by MOHE.
- 2010 Workshops:
 - Jan: Housing International Graduate Students in Malaysia.
 - July: Forces and Forms for Doctoral Education and Its Impact on Southeast Asia
 - Oct & Dec: Coordinating Research Graduate Programmes in Malaysia MyDEGS-MOHE-MQA (Series I and II).



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MyDEGS Initiatives for Global Dialogue

Southeast Asian
Network for
Doctoral
Education.

International
Graduate
Programmes

Intensifying
Internationalization



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Southeast Asian Network for Doctoral Education

Penang Declaration 2010

We, Graduate Deans and practitioners in doctoral education of Malaysia and Thailand in view of building a *Southeast Asian Network of doctoral education*, in order to enhance Southeast Asian's capacity for solving regional and global problems and meeting human needs, declare our commitment to develop the role of doctoral education in our region in the era of globalization.

This declaration is a call to advance doctoral education in the region and to act upon the forms of doctoral education worldwide. It defines a framework for shaping doctoral education to meet the needs of the 21st century and beyond, and for creating the conditions to educate doctoral candidates as responsible world citizens.

We acknowledge that doctoral education is a resource for economic development among nations and that the current distribution of intellectual capital tends to magnify global inequality.

We believe that doctoral education should be a source for social cooperation and the sustainability of natural, human and institutional resources.

We are committed to understanding various forms of doctoral education needed to produce socially relevant knowledge, promote international cooperation, and bring to fruition diverse ways of knowledge creation.



Many factors raise the need for global understanding of doctoral education. These include:

- growing interest in doctoral education as a source of innovation and competitive advantage in the global economy
- expansion of doctoral education in developing nations
- international mobility of doctoral candidates
- internationalization of the labour market and global competition for doctoral scientists and researchers
- improving the quality of life by international research collaboration, focusing on global challenges such as water, health, food, energy and education.

In light of these trends, as experts of doctoral education we believe we can promote the improvement of doctoral education in Southeast Asia and beyond. We are committed to advancing doctoral education by:

- defining its aims and forms
- strengthening institutional structures
- establishing a regional quality framework
- building a database on profiles of higher education institutions
- fostering national, supra-and international collaboration
- seeking funding and endowment
- recognizing and rewarding the efforts of all involved
- ensuring state-of-the-art infrastructure.

In Penang, July 2010, doctoral education experts and practitioners from Malaysia and Thailand, provided the basis for building a Southeast Asian hub for doctoral education. This first workshop was a milestone for sharing information widely and promoting innovation in doctoral education. The future hub will create a network for:

Collaboration in

- research
- consultancy
- supervision
- staff/student mobility
- joint programmes

Sharing of

- resources
- expertise
- information
- effective practices

Initiating

- a student mobility framework
- an ASEAN quality framework
- international linkages with other networks

Sourcing of funds for

- endowment
- internship
- scholarship
- research grants
- post-doctoral positions

Increasing the scope of participation.

The strength of the hub will be developed accordingly.

This *Declaration* is the result of a comprehensive effort to assess doctoral education as a critical force in responding to and shaping trends in doctoral education in Southeast Asia.



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International Graduate Programmes @ UTM

JOINT AWARD

- PhD with de Nantes, France
- PhD with Tokai, Japan

DUAL AWARD

- UTM: MSc. (Engineering Business Management) + Meiji: MBA



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Universiti Teknologi Malaysia

OUR PG STRATEGIES

Increasing PG
intakes

Promotions at the
national and
international levels

Fast tracks and MSc
conversions to PhD

Provide financial
support

Improving facilities
and infrastructure

Flexible research
programmes

Maintain the present
programmes

Double degrees
through collaboration

Industrial PhD through
portpolio

PhD by publication
for early graduation

Quality assurance

MQA compliance in
all PG programmes

Strong emphasis on
paper publication

Networking and
collaboration with top
universities

Networking and
collaboration with
industries



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UTM-Tokai Dual PhD

The student registers fulltime both at UTM (main) and Tokai (guest)



The student is assigned with a supervisor each at UTM and Tokai, and communicate with them regularly



The student needs to visit Tokai to do research for 6 months during first year

A successful student will get 2 PhDs, one from UTM and another from Tokai

The work in the theses must differ by at least 30% in terms of contributions



The student needs to prepare 2 separate theses for both universities and attend viva separately at different times



The student needs write papers and produce significant contribution



The student needs to prepare 2 separate proposals for both universities after 1 year



JARD: Jointly Awarded Research Degree

- Developed in partnership with UPM and is a PhD programme with a high degree of flexibility
- The scheme offers an award (officially on the certificate) from two world class universities
- Up to 18 months is spent at both UPM and the UoS (minimum of 12 months)
- Local fees are paid for the duration of the study period at each University
- List of 'supervisors' and research areas / key researchers available to UPM to ensure quality co-supervision
- Jointly owned IPR (in equal proportion)
- Visiting Professor Scheme

ARAP : A*Research Attachment Programme

- Developed in partnership with the Agency for Science, Technology and Research (A*Star) in Singapore
- A 4 year PhD programme with the PhD awarded by the UoS
- Students typically spend up to 2 years at an A*Star Research Institute in Singapore and up to 2 years in UoS
- When students are in Singapore, A*Star pays a stipend. When the students are in Sheffield, a scholarship is provided.
- IPR is jointly shared
- Scheme is only open to UK / European students



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MOHE Targets for Intensifying Internationalisation

- *Collaborative networking with foreign HEIs*
- *10 % of the overall enrollment are international students*
- *15 % international teaching staff at RUs*
- *Student's mobility with credit transfer*
- *Malaysia International Scholarship*



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The Path Forward for Global Dialogue

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Southeast Asian Network for Doctoral Education.

- How to make it work?
- Agenda and Activities
- Funding
- Action plan
- Connecting with Global Networks

International Graduate Programmes

- Identifying potential partners
- Framework for joint/dual awards
- New forms of Graduate Education
- Accreditation issues
- Entry requirements (Academic and English Language)
- Recognised Prior learning

Intensifying Internationalization

- Credit Transfer for student mobility
- Creating linkages/network
- Faculty exchange
- Graduate Student emerging market
- Satellite offices
- New forms of graduate studies (virtual/distance)
- Asean E-University Network Consortium



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THANK YOU
TERIMA KASIH