NATIONAL ORGANIZATIONS OF GRADUATE DEANS: EXPLORING OPPORTUNITIES FOR GLOBAL DIALOGUE

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Dean, School of Graduate Studies, Universiti Teknologi Malaysia

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

OUTCOME

KRA 1
Access & Quality

KRA 2
Graduates Marketability

KRA 3
Intensifying Internationalisation

KRA 4
Enhancing R&D&C Activities

KRA 5
Enculturation of LLL

KRA 6
Boosting Technical Edu. & Vocational Training

KRA 7
Reinforcing Delivery Systems

KRA 3
Critical Mass Of Researchers

Competent Human Capital

Highly Skilled Human Capital

Conducive Teaching & Learning

Highly Competent Graduates

Employability / Entrepreneurship

International Hub of Higher Education

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

2 APEX Universities

Continual improvement every 3 year Audit

4 Malaysia Research Universities (UM, UKM, UPM, UTM)

17 Comprehensive Universities / Focus University

2006

2010

2013

2016

2025?
### Malaysia’s Graduate Student Enrolment - 2009

#### NO OF GRADUATE STUDENT (ENROLMENT) 2009

<table>
<thead>
<tr>
<th>ITEMS</th>
<th>RU</th>
<th>NON-RU</th>
<th>TOTAL IPTA</th>
</tr>
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<tbody>
<tr>
<td>No of PhD student (enrolment)</td>
<td>12,574</td>
<td>3,851</td>
<td>16,425</td>
</tr>
<tr>
<td>No of graduate students</td>
<td>45,922</td>
<td>18,327</td>
<td>64,249</td>
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#### NO OF PhD STUDENT (ENROLMENT) Local and International 2009

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<tbody>
<tr>
<td>No of PhD student (Local)</td>
<td>7,584</td>
<td>2,144</td>
<td>9,728</td>
</tr>
<tr>
<td>No of PhD student (International)</td>
<td>4,990</td>
<td>1,571</td>
<td>6,561</td>
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Governance Structure MyDEGS within MyDEGS

MOHE

Higher Education Dept

VC Council

DVC Council

Deans Council

Graduate Deans (MyDEGS)

Business School Deans

ICT Deans

Engineering Deans

Science Deans

Chairperson

Secretary
## 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 i.e. 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).
INSPIRING CREATIVE AND INNOVATIVE MINDS

MyDEGS Initiatives for Global Dialogue

Southeast Asian Network for Doctoral Education.

International Graduate Programmes

Intensifying Internationalization
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.
International Graduate Programmes @ UTM

**JOINT AWARD**
- PhD with de Nantes, France
- PhD with Tokai, Japan

**DUAL AWARD**
- UTM: MSc. (Engineering Business Management) + Meiji: MBA
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 portfolio
  - 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
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 write papers and produce significant contribution

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

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

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### 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

### 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
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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<thead>
<tr>
<th>Southeast Asian Network for Doctoral Education.</th>
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<tbody>
<tr>
<td>• How to make it work?</td>
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<tr>
<td>• Agenda and Activities</td>
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<tr>
<td>• Funding</td>
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<tr>
<td>• Action plan</td>
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<td>• Connecting with Global Networks</td>
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<th>International Graduate Programmes</th>
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<tbody>
<tr>
<td>• Identifying potential partners</td>
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<td>• Framework for joint/dual awards</td>
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<tr>
<td>• New forms of Graduate Education</td>
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<tr>
<td>• Accreditation issues</td>
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<tr>
<td>• Entry requirements (Academic and English Language)</td>
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<td>• Recognised Prior learning</td>
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<tr>
<td>• Credit Transfer for student mobility</td>
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<td>• Creating linkages/network</td>
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<tr>
<td>• Faculty exchange</td>
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<tr>
<td>• Graduate Student emerging market</td>
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<tr>
<td>• Satellite offices</td>
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<tr>
<td>• New forms of graduate studies (virtual/distance)</td>
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<tr>
<td>• Asean E-University Network Consortium</td>
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THANK YOU
TERIMA KASIH