ASEM University–Business Forum

“Destination Employment”

Strengthening University–Industry Link

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Malaysia

1. Population
   - 28 million (multi race & religion)

2. Labour Force:
   - 11.63 mn

3. Land Area:
   - 33,800 sq km

Source: World Bank: World Development Indicators

Gross National Income

<table>
<thead>
<tr>
<th>Year</th>
<th>$ Billion</th>
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<tbody>
<tr>
<td>2006</td>
<td>319.39</td>
</tr>
<tr>
<td>2007</td>
<td>353.10</td>
</tr>
<tr>
<td>2008</td>
<td>373.83</td>
</tr>
<tr>
<td>2009</td>
<td>374.82</td>
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<tr>
<td>2010</td>
<td>400.73</td>
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</tbody>
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Vision 2020

People First, Performance Now
Preservation and enhancement of unity in diversity

10th and 11th Malaysia Plan Roll-Out
Implementation of government’s development program

Malaysia

Economic Transformation Programme

Reducing Crime
Fighting Corruption
Improving Student Outcomes
Raising Standards of Low Income Households
Improving Rural Basic Infrastructure
Improving Urban Public Transport

6 NKRA
Effective delivery of government services

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Economic Transformation Programme

ETP focus on:
• 12 National Key Economy Areas (NKEAs)
• 131 entry point projects
• 3.3 millions new jobs by 2020
• 60% are middle & high-income jobs

ETP 1 year progress:
• 66% or RM10 billion worth of projects have started
• 53% of 131 entry point projects have taken off
• Private investments increased 23.4% to RM51.2 billion from RM41.5 billion
Malaysian’s IHLs Landscape

**Public IHLs**
- UPM
- UM
- UTM
- UKM
- USM
- UIAM
- UMS
- UNIMAS
- UUM
- UPSI
- UTM
- UTM
- UTM
- UTeM
- UniMAP
- UITM
- UPNM
- USIM
- UTHM
- UMP
- UMT
- UDIM
- UMK
- UMP
- UniMAP
- UITM
- UPNM
- USIM

**Branch Campus:**
- Monash
- Nottingham
- Swinburne
- Curtin

**Private University:**
- UTP
- UNITEN
- UNIKL
- Limkokwing
- AIMST
- UNISET
- OUM
- UTAR
- UNITAR
- MMU

**Private College University:**
- KLIUC
- Twintech
- Taylor’s
- TATI
- Sunway
- KUIS

**Total Registered – MOHE:**
~450 Institution
Critical Agenda Project: Graduate Employability

2010 Graduates (131,406)

- Social Science & Literature: 40%
- Technical: 26%
- Science: 12%
- Education: 15%
- Information & Comm. Tech.: 7%

2010 IHLs Employability Rate

- UniMAP: 96.5%
- UMT: 99.5%
- USIM: 100.0%
- UniSZA: 100.0%
- UNIMAS: 100.0%
- UTeM: 96.5%
- UMP: 96.5%
- UUM: 100.0%
- UTHM: 96.5%
- UKM: 100.0%
- USM: 100.0%
- UJAM: 100.0%
- UTM: 100.0%
- UPM: 100.0%
- UiTM: 100.0%
- UPSI: 100.0%
- UPNM: 100.0%
- PPUM: 100.0%

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Issues & Challenges

1. Emerging **new environment**

2. **Existence of gap concerning employability** by industries and HEIs

3. **University-Industry Partnerships**; i.e. staff & student exposure

4. Implementation and **effectiveness of Teaching and Learning** (Student Centered Learning) in IHL.
Technical Education & Vocational Training (TEVT)

Institutions of Higher Education
- Upper Secondary School – 2 years (Year 2 – Malaysia Certificate of Education)
- Lower Secondary School – 3 years (Year 3 PMR– Lower Secondary Assessment)
- Primary School – 6 years (Year 6 UPSR – Primary School Assessment Test)

Institutions of Vocational Higher Education
- Vocational Colleges
  - Diploma (SKM 3 & 4)
  - Cert (SKM 1 & 2)
- Ministry of Education Vocational Colleges
  - Diploma (SKM 3 & 4)
  - Cert (SKM 1 & 2)
- Other Ministries (e.g. MOHR, MRRD)

Vocational Institutions
- Polytechnic & Technical Institutions

WORKING WORLD

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Industrial Landscape – Historical Performance

- Manufacturers of Metals
- Machinery, Appliances & Parts
- Refined Petroleum Products
- Chemicals & Chemical Products
- LNG
- Crude Petroleum
- Palm Oil
- Electrical & Electronic Products

Export by Major Product

- Source: Malaysian Investment Development Authority

Import by Major Product

- 2007
- 2008

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Academic & Industrial-based Collaboration

University & Industry

- Industrial Attachment
- Teaching Factory
- Advisory Panel
- Board of Studies
- Visiting Lecturer

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Initiative: Industry COE

Key Co 5%

SMI / SME 95%

Source: SME Annual Report 2009/2010

Institution of Higher Learning
Universities, Polytechnics & Community Colleges

Engineers & Technologist

Technicians & Operators

Research & Development

Applied Development

Fundamental Development

Centre of Excellence

Associates Partners

Suppliers and Vendors

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Sapura ICOE – Suspension System

1. Human Capital Development
   - Industrial Post Graduate – 3 Masters students
   - Apprenticeship program for Under Graduate students – Lean Manufacturing
   - Apprenticeship program for Diploma students

2. Research, Development & Commercialization
   - Design Calculator for OE & RE shock absorber.
Thank you!

Kuala Lumpur