PROMOTING RELEVANT SKILLS THRU HTVET IN MALAYSIA

The UniKL Experience

PROF. DATO’ DR. MAZLIHAM MOHD SU’UD | President/CEO Universiti Kuala Lumpur
TVET should evolve in line with technological and economical development to ensure the relevancy of the product produce by the system. The future requires not only technically-sound workforce but also an independent, innovative and enterprising talent.
Based on the occupation history in U.S., it is irrational to think that the jobs in today’s workforce will remain the same in the future.
The tertiary level qualified labor force is increasing but is still low compared to other developed nation. (Source: DOS – LFS 1990-2011, World Bank Report – March 2014)
Currently more than 1,000 TVET centers operating with enrolment of more than 250,000 students. (Source: UniKL 11MP Strategy Paper)
UniKL HTVET Educational Model

Champion Continuous Advancement of Technology

Sustainable Education System That is Flexible and Adapt to Needs of Society

Symbiotic and Dynamic Relationship Between Academia and Industry

Integrated Application-Oriented Curricula
Drivers of Change ... CAUSED ... Work Becoming

1. SMART is the new King
2. Globally Connected and Convergent World
3. Improved Health and Wellness Services
4. e-Revolution
5. Super Connected Organization
6. New Media Ecology

1. Knowledge Driven
2. Digital Process Driven
3. Innovation Focus
4. Technology Infuse
5. Knowledge Engineered
6. Distributed
7. Collaborative
8. Entrepreneurial
Future Work Skills

**DESIGN MINDSET**
Ability to represent and develop tasks and work process for desired outcomes.

**INFO MANAGEMENT**
Ability to determine and filter information for importance, and to understand how to maximize cognitive functioning using a variety of tools and techniques.

**HIGH EQ AND SQ**

**SOCIAL INTELLIGENCE • SENSE MAKING**
Ability to determine the deeper meaning or significance of that is being expressed.

**MULTI-CULTURE ADAPTATION**

**CROSS CULTURAL COMPETENCY**
Ability to operate in different cultural settings.

**ACQUIRE AND ADAPT NEW KNOWLEDGE AND SKILLS**

**VIRTUAL COLLABORATION • TRANSDISCIPLINARITY • COMPUTATIONAL THINKING**
- Ability to work productively, drive engagement, and demonstrate presence as a member of a virtual team.
- Literacy on and ability to understand concepts across multiple discipline.
- Ability to translate vast amounts of data into abstract concepts and to understand data-based reasoning.

**ACTIVE VIRTUAL SOCIETY MEMBER**

**NEW MEDIA LITERACY**
Ability to critically assess and develop content that uses new media forms, and to leverage these media for persuasive communication.
UniKL HTVET Educational Model

**UniKL Educational Goal:**
UniKL is committed to produce human capital who are innovation-driven, entrepreneurial, ethical, and professionally skilled in science, technology and trades, contributing to Malaysia’s aspiration to become a high income nation.

**Program Educational Objectives:**
To produce graduates who are:

1. Knowledgeable, competent, and innovative
2. Effective leaders with teamwork skills, as well as verbal and non-verbal interpersonal communication skills
3. Committed towards the importance of lifelong learning and continuous improvement
4. Professional, ethical, and socially responsible
5. Capable of embarking on business technopreneurial activities

- Teaching Factory
  - Implementation of T&L Through e-Learn
  - Emphasize on Online Assessment
  - Experiential Learning
  - Active Learning – PBL, POPBL & Cooperative Learning
  - Blended Learning
  - Center of Excellence

- Technical Subjects Embedded With Entrepreneurial Elements
  - Program Fulfill Industry Requirements
  - One Program One Pro. Cert.
  - Smart Partnership With Industry
  - Lecturers Industrial Attachment
    - Industrialmanship
    - Research and Innovation

- Coaching and Peer Mentoring Program
  - Research Arm In Teaching and Learning
  - Mastery in English Language
  - Professional Development Program

- Towering Personality
  - Entrepreneurial
  - Altruistic Leader
  - Noble Citizen

**Innovative Teaching and Learning**

**Quality Curriculum**

**Academic Professionalism**

**Student Talent Enhancement**

**Shared Values**
Commitment • Integrity • Teamwork • Innovation • Excellence
UniKL Graduates DNA

Professional Sociability  Communication  Entrepreneurship

Spiritual and Ethics  Open Mindedness

UniKL Skill Domains

Lifelong Learner  Altruistic Leaders  Highly Competent/Knowledgeable Person  Noble Citizenship
UniKL TVET Evolution

1991 – 2001
Formation of Higher Technical Institutions of MARA through collaborations with foreign partners

2002 – 2011
UniKL was formed and built internal capacity and expertise to develop own program and sustain its university status

2012 – 2015
UniKL expertise and brand are recognized. Rapid development in franchising program, commercial activities and consultancy projects (including overseas)

2015 and beyond
UniKL to realize growth opportunities and challenge status quo in order to be one of the best in Asia particularly in HTVET.

PHASE 1 – FROM Technical Institutes (Social Leveller) TO Entrepreneurial Technical University

TECHNOLOGY TRANSFER PERIOD
3,000 Enrolment

CAPACITY BUILDING PERIOD
19,000 Enrolment

GROWTH AND SUSTAINABILITY PERIOD
25,000 Enrolment

PHASE 2 – Regional TVET Champion

GREATER UniKL / WE4ASIA PERIOD
50,000 Enrolment
From A “Second-Chance” Institution To A Global TVET Leader

UniKL began with the amalgamation of 5 MARA higher vocational institutes to form the first entrepreneurial technical university in Malaysia in 2002. Universiti Kuala Lumpur or better known as UniKL continues to progress to become a training institution of choice comparable to the more established public universities.

Upholding the industrial, institutional and international networking that were established from the pre-UniKL era, this key success factor has pushed UniKL further towards its 2020 goal through the WE4ASIA transformation plan that was developed in 2013. Through this plan, UniKL is hoping to elevate Malaysian TVET stature globally while positioning TVET as a contributor for a high income society.

| NO. OF CAMPUSES | 12 |
| NO. OF STUDENT ENROLMENT | 27,201 |
| NO. OF GRADUATES | 31,641 |
| NO. OF PROGRAMS | 131 |
UniKL Historical Footprints

Akademi Infotech MARA 1983 (now UniKL IMIT)

Malaysia France Institute 1996 (now UniKL MFI)

British Malaysian Institute 1998 (now UniKL BMI)

Malaysian Institute of Aviation Technology 2001 (now UniKL MIT)

Malaysian Spanish Institute 2002 (now UniKL MSI)

UNIVERSITI KUALA LUMPUR (2002)

Malaysian Institute of Chemical and Bio-Engineering Technology 2003

Malaysian Institute of Marine Engineering Technology 2003

Royal College of Medicine Perak 2006

Institute of Product Design and Manufacturing 2007

Malaysian Institute of Industrial Technology 2009

Malaysian Institute of Medical Science Technology 2009

UniKL Business School 2010

Institute of Research and Post-Graduate Studies 2011

UniKL International College 2012
UniKL Physical Footprints
UniKL Area of Specializations

UNIKL MIMET
Marine Engineering Technology

UNIKL MIIAT
Aviation and Aircraft Maintenance Technology

UNIKL MIET
Medical Science Technology

UNIKL MESTECH
Medical and Allied Health Sciences

UNIKL MESTECH
Accounting, Entrepreneurship and Islamic Finance

UNIKL MITEC
Quality Engineering and Industrial Logistics

UNIKL MITEC
Product Design and Manufacturing Technology

UNIKL MIIT
Information Technology, Multimedia and Animation

UNIKL MIIT
Industrial Maintenance and Automation Technology

UNIKL MIIAT
Marine and Allied Health Sciences

UNIKL MIIAT
Medical Science Technology

UNIKL MIIAT
Medical and Allied Health Sciences

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UNIKL MIIAT
Medical and Allied Health Sciences
UniKL has managed to obtain and maintain **Tier 5 in SETARA Rating** by MQA consecutively in 2009, 2011 and 2013 and now targeting for a Tier 6 Rating in 2016.
## Initiatives Rolled Out Under 10 and 11MP

### Improvement from Current

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<td>Employability</td>
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<td>(Closing The Loop)</td>
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### To Elevate and Sustain

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<td>Policies</td>
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![Logos and Icons]
UniKL Transformation Plan (2015-2020)

**WE4ASIA 2020**

Defines the university's aspiration to transcend its vision to become **one of Asia’s top university by 2020**, spearheading the generation of knowledge in **higher technical, vocational education and training (HTVET)** and entrepreneurship, with emphasis on applied and experiential learning, reinforced by innovative research and global linkages with industries to benefit local and global communities.

**WE4ASIA EXCELLENT UNIVERSITY STRATEGIC FRAMEWORK (THRUSTS)**

1. Enforcing **Effective Governance**
2. Harnessing and Nurturing **Global Talent**
3. Improving Quality of **Resources and Infrastructure**
4. Developing **Enterprise Sustainability**
5. Enhancing **R&D Capacity and Capability**
6. Creating **Innovative Teaching & Learning Environment**
7. Building **Rewarding Community Engagement**
8. Providing **Excellent Student Support & Alumni Services**
Issues In Promoting Relevant Skills in TVET

Mismatch (Skill)

Support From Industry

Compensation and Appreciation

Industry-Academia Partnership

Lecturers Background