COUNTRY REPORT: TECHNOLOGY INNOVATION IN HIGHER EDUCATION IN MALAYSIA - UNIVERSITI PUTRA MALAYSIA (UPM) INITIATIVE

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Objective

• An overview and experience of Malaysia and UPM in planning and implementing technology Innovation, particularly in teaching and learning
UPM AGRICULTURAL SCIENCES RANKED 54th IN THE WORLD

SERDANG, Oct. 31 - University Putra Malaysia (UPM) is ranked 54th in the Best Global Universities Rankings for Agricultural Sciences by the US News and World Report which was published recently. More
Urban Agriculture: UPM Invitation to Farm in Between Skyscrapppers

With land getting scarce and the food bill escalating sky-high over the past decade, the scientists and researchers at UPM have designed and crafted different ways for the urbanites to start farming in a much bigger way, not only to put more food on the table but also some money in the bank. Hence, to those who are interested in "Urban Agriculture", you may contact the Dean of Faculty of Agriculture, UPM at 03-8947 4801 or email to dean.agri@upm.my. Read more...
Technology Innovation in Higher Education in Malaysia

• Boosted by the establishment of the Multimedia Super Corridor (MSC Malaysia) (1996)

• ICT in Education Policy – (Computers-In-Education (CIE) Project, Smart Schools Project, and MySchool Net (mid-1980s)

Technology Innovation in Higher Education in Malaysia

• Mushrooming of flexible distance education programmes - dual mode, blended learning, virtual universities (Universiti Tun Abdul Razak (UNITAR), 1997 & Open University Malaysia (OUM), 2000)

• Technology innovation - audio teleconferencing, audio graphic teleconferencing, video conferencing, virtual library, and on-line education
Technology Innovation in Higher Education in Malaysia (Current Status)

• E-learning in HEIs as Critical Agenda Project & Key Result Area (KRA) in National Higher Education Strategic Plan 2020 (2007)

• Learning Management System (LMS) in HEIs - Open Source Platforms, Commercial LMS or Self-developed LMS
Technology Innovation in Higher Education in Malaysia (Current Status)

• Open Educational Resources (OER) movement – HEIs embarked on OER project (2013)

• Massive Open Online Courses (MOOC) – MOE promotes initiatives to UPM, UKM, UiTM & Unimas (2014)
Technology Innovation Initiative of UPM

• Strong ICT policy and initiatives since mid-1990s
• First university to wire its campus with Internet & campus-wide networking (1995)
• Offer online Bachelor of Computer Science Programme (1997)
• Distance education programme & international online joint M.Sc. Programme (Sustainable Resource Management) – UPM, SEARCA, UBC, Canada, UQ, Australia, ASEAN Universities
• Initiation of ICT application in T&L in-campus
Technology Innovation Initiative of UPM (Current Status)

- Strengthening e-learning and blended learning
- Laid the foundation for UPM to further transform technology innovation
UPM’s Strategic Plan (2014-2020)

• Strengthening innovation in T&L
• Embarking on OER
• Putra Massive Open Online Course (PutraMOOC) (2014)
  – cornerstone for UPM’s future learning environment
  – open to global communities at no cost
  – benefit in-campus students & general public communities
  – two courses in PutraMOOC - "Agriculture and Man" and "Malay Arts"
The Way Forward

• Success of technology innovation at UPM - strong ICT policy and initiatives, good governance, strategic planning, clear guidelines as well as active involvement of all stakeholders

• UPM’s hope - technology innovation will help UPM to become a university of international repute and ranked among the world’s top 200 universities