

Challenging Higher Education Future for Quality, Student Satisfaction, and Efficiency in Korea

Prof. Dae-Joon Hwang, Sungkyunkwan University, Seoul, Republic of Korea, djhwang@skku.edu

This is an overview of what the higher education institutions in Korea have been challenging the future of higher education and innovation for quality education, student satisfaction, and efficiency. Improving the global competitiveness of higher education has been recognized as a key factor to research and new product development for sustainable growth of national economy.

So education innovation is not popular but urgent to the HEIs challenging the future of higher education, unsecure job markets, and establishing new education ecology based on cloud computing. Adopting new pedagogical approach such as flipped-learning and heuristic learning combined with classroom teaching is getting more attentions from research-oriented universities in Korea. And providing students and university professors with diversified education material (OCW, OER, MOOCs etc...) emerged an important issue to practice quality higher education.

Now some university authorities are also moving to take strategic innovation for sustainability of higher education institutions on the basis of outcomes of Institutional Research (IR).

Here activities related higher education innovation going on the HEIs in Korea are summarized.

1. KOCW and K-MOOC initiative

- Promote nationwide sharing and developing quality contents
 - ✓ Developed 126,551 contents and 7,894 lectures based on KOCW, which are available at 160 HEIs in 2014.
- Initiated K-MOOC project in March 2015
 - ✓ 10 K-MOOC will be available by Sept 2015, 500 K-MOOC are expected to be available by 2018.
 - ✓ Learning analytics based on Big Data of learners
- Few Korean HEIs began to pay more attention to student's participation to create content (Student Created Content: SCC) with quality control.

2. Implement new pedagogy for quality HE: flipped-learning draws attentions from some of research-oriented universities in Korea.

- Aims
 - ✓ For students: improve quality of higher education

- ✓ For professors: enhance productivity of teaching and learning
 - ✓ For university: save cost in education
 - Implementation strategies
 - ✓ Application of IT-enabled Active Learning for Flipped Learning
 - ✓ Redesign of curriculum based on discipline of each track
 - ✓ Continue enhancement of curriculum redesign
3. Building education ecology for quality HE: Education 3.0, KAIST, Korea.
- Diversify learning and education content for students: OCW, MOOCs, join a member of the MOOC community
 - Establish cloud based education environment for educational ecology to provide accessibility, scalability, and efficiency
4. IR for decision support of HEI.
- Supporting decision makers of HEIs to develop strategies for global competitiveness based on data analysis and evidence
 - Prioritize issues and problems facing HEIs on management of university, student support and recruit, research, and governance
5. Internationalization: strategic approach.
- Promote partnership for international cooperation between HEIs and disciplines, and faculty
 - Diversify running joint programs: dual degree, franchise program and campus
 - Establish National Information Center to promote mobility of students and experts: National Qualification Framework, Country Education Profile of HEIs
6. New governance of HEIs.
- New evaluation system for research-oriented HEIs
 - Changing roles of faculty: factorization in Cyber University in Korea, dismantling authentic functions of university faculty
7. Challenging youth unemployment due to unstable job security.
- Strengthen university-industry cooperation and partnership: Industry-university Cooperation Institute, Industry-university professorship
 - Invite industries to run university programs on the basis of long-term contracts on mobile phones, system semiconductor technology, and design for products and home appliances