

# Accreditation System of Engineering Education in Korea



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# 1 HISTORY OF ACCREDITATION IN KOREA

## History of ABEEK

1999

- ❖ Foundation of Accreditation Board for Engineering Education of Korea (ABEEK)

2001

- ❖ Application of first accreditation evaluation process to two universities
- ❖ Active Participation of Korean engineering colleges in the accreditation board
- ❖ Certification of 463 Programs at 56 engineering colleges

2003

- ❖ Hanyang Univ. joining in ABEEK
  - 13 certified programs (Seoul)
  - 10 certified programs (Ansan)

## 2 Skeptical and Optimistic Perspectives

### Skepticism

#### ❖ Issue #1

##### Low effectiveness

- High volume of unfamiliar tasks
- Unclear final output

#### ❖ Issue #2

##### Limitation as a local program, not global program

\* Solved when ABEEK joined in  
Washington Accord as a signatory  
member in 2007

## 2 Skeptical and Optimistic Perspectives

### Optimism

#### ❖ **Obstacle**

Global Economic downturn and its demand of Concentration on pursuing the excellence and building on excellence

#### ❖ **Prospective Solution**

- Innovative Education and Creative Research in Engineering and University Globalization based on the solid foundation of the accreditation system
- Developing sound accreditation programs

# 3 Engineering Education at Hanyang

- **Philosophical understanding of science technology**
  - Cultivating humanitarian values in engineering students

- **Maintaining strong Techno Management**

- **Participating ABEEK Program**

- **Operating Center for Innovation in Engineering Education**
  - Class for English Presentation (Fostering global leader)
  - Prestigious lectures by CEO of global companies
  - Project based engineering design(for all freshman)

- **Operating E-learning Center**
  - Strengthening cyber education in engineering field
  - Offering 35 classes to both Hanyang and other universities by on-line education

# 4 Suggestions

## University Globalization

### ❖ Suggestion #1

- Co-Building up OCW (Open Course Ware) System
- Collaborating toward the new system step-by-step
- Starting with lower division classes such as mechanics, dynamics, and fundamental engineering courses

# 4 Suggestions

## University Globalization

### ❖ Suggestion #2

- **Co-holding international university CAPSTONE DESIGN FAIR**
- **Fostering creativity for our future**
- **Sharing culture, ideas, and passion via the international fair program for university globalization**
- **Starting with regional fair exchange programs**

# 4 Suggestions

## University Globalization

### ❖ Suggestion #3

- **Developing and promoting a variety of substantial engineering student exchange programs from visiting to internship and dual-degree programs**

- **Facilitating the programs with moderate cost by fully utilizing all possible resources**



# 5 CONCLUSION

## Our Future, Young Engineers!

- ❖ **Emphasizing on creativity and enthusiasm of young engineers in the knowledge-based society and the era of fusion technology**
- ❖ **Equipping Engineering Students with techniques by providing positive learning-environments**
- ❖ **Implementing our common goals through Panel discussion for the university globalization**



Thank you~!