Overview of KOREATECH

Office of External Affairs

(sangjinkim@koreatech.ac.kr)

KOREATECH was established

by the Korea Ministry of Labor in 1991

to foster **practical engineers** and **HRD Professionals**

based on the educational philosophy of

"Seeking truth from facts"

And the university is financially supported by the Korean government for this special mission.

300 +
Professors

4,400+
Undergraduate students

500+
Graduate students

170+
International students

01
Educational Program

Undergraduate and Graduate School

Major	Bachelor's programs	Master's programs	Doctoral programs
Mechanical Eng.	○	○	○
Mechatronics Eng.	○	○	○
Electrical, Electronics Communication Eng.	○	○	○
Computer Science Eng.	○	○	○
Design & Architectural Eng.	○	○	○
Energy, Materials & Chemical Eng.	○	○	○
Industrial Management	○	○	○
Liberal Arts & HRD	○		
Techno HRD		○	○

※ Work-based learning programs for SMEs' employees are provided at the level of bachelor's and master's courses.

Educational features

- **50%** Theory + **50%** Practice (Lab-based activities)
- Capstone Design & Graduation Project
- IPP (Industry Professional Practice) System

KOREATECH Achievements

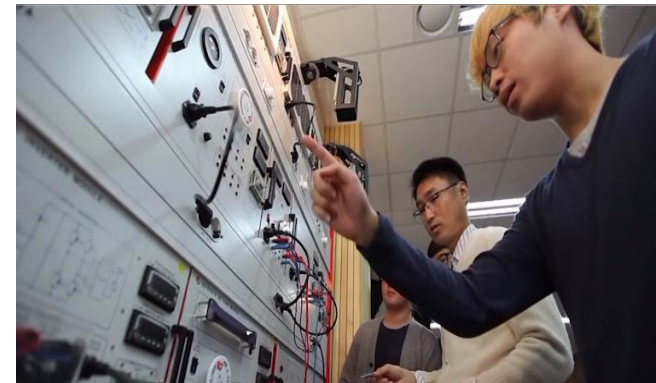**TOP 12 Engineering universities**

(JoongAng Daily, 2017)

#	Univ.	#	Univ.
1	Sungkyunkwan	7	Sogang Univ.
2	POSTECH	8	UNIST
3	Hanyang Univ.	9	Chung-Ang Univ.
4	KAIST	10	Hanyang (ERICA) Univ.
5	Korea Univ.	11	Yonsei Univ.
6	Seoul Nat'l Univ.	**12**	**KOREATECH**

Korean Universities Review by JoongAng Daily, 2017

- Ranked **one of the top tier Universities in** engineering universities(by JoongAng Daily, 2017)
- Ranked **No.1** in Education-oriented universities (consecutively ranked number 1 for **9 years**)
- Job placement rate of 4-year university graduates **No.1 nationwide, at 85.1%** (2018, Ministry of Education, Korea)
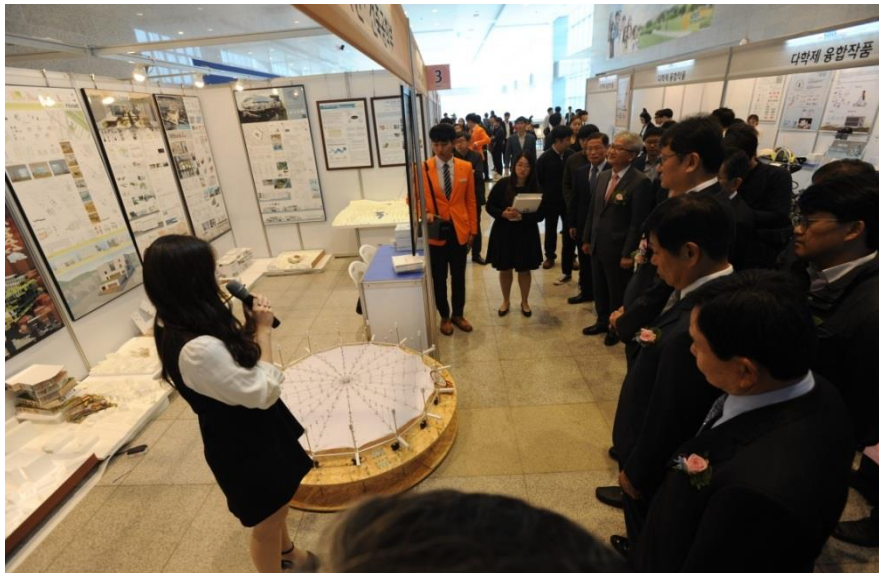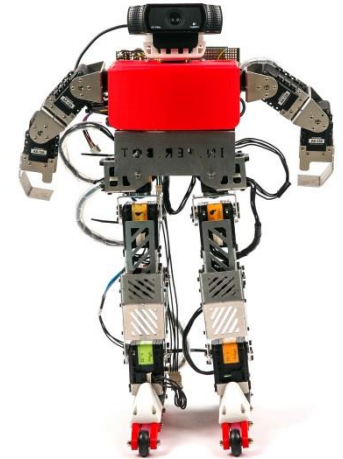
Field-oriented work experience

- **50% theory : 50% practice**

- **Faculty with over 3 years' field experiences**

- **74 lecture rooms, 274 laboratories**

- **Opened labs (24-hours)**

- **Required credit for gradation**

  - **Engineering: 150**

  - **Industrial Management: 140**
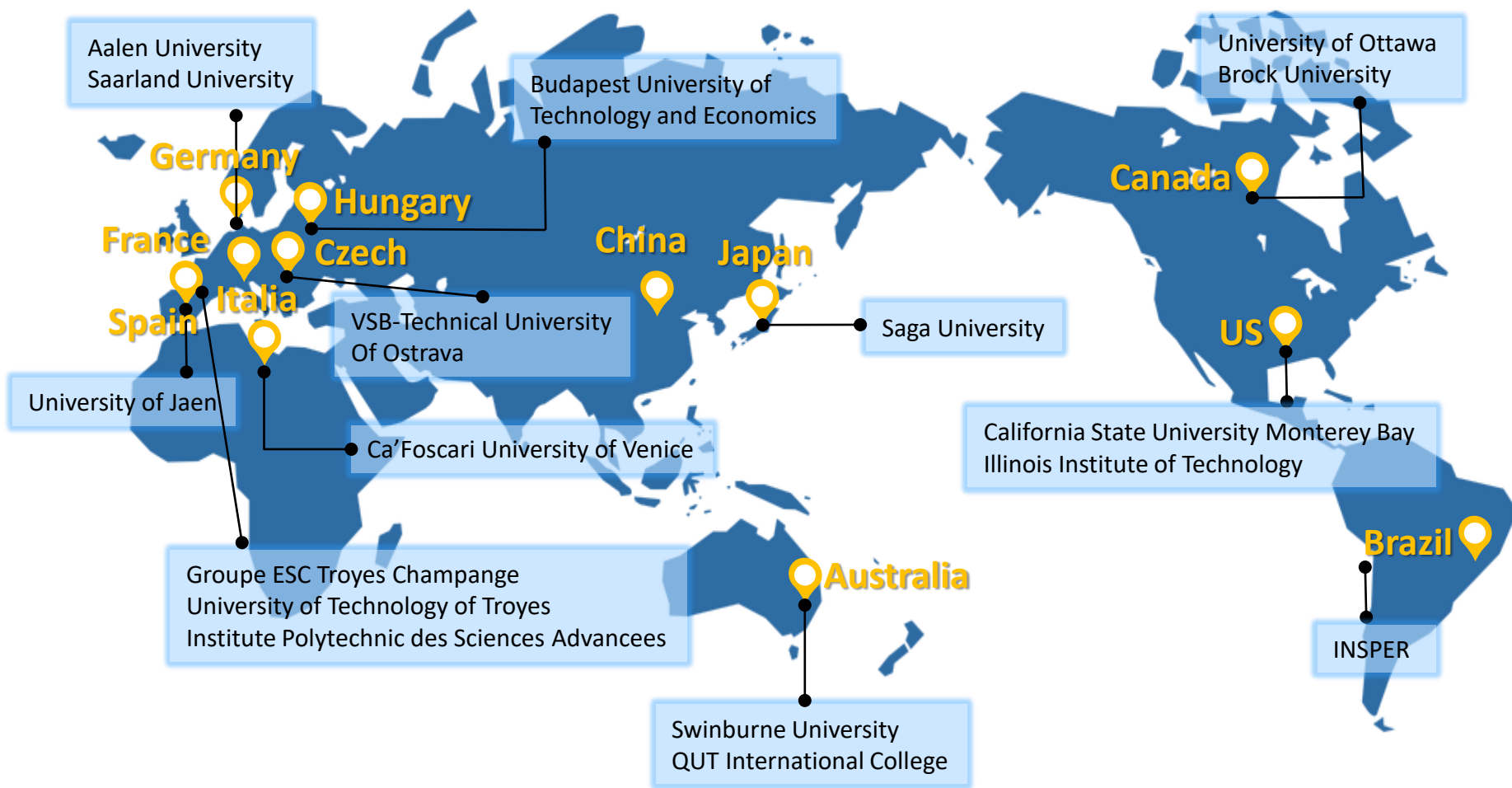
Capstone Design & Graduation Project

- **Mandatory for graduation (All students)**

- **1 professor with 5~6 students (Lab-based)**

- **212 graduation projects (2017)**

02

Global
Program

Over 140 partner institutions in the world

Int'l Student Mobility Programs

Exchange Program (In-bound)

- **62 students from 10 countries 22 universities (as of 2019 fall)**

Period
1 or 2 semesters
- Spring : March ~ June
- Fall : August ~ December

Scholarship

Tuition fee
* Additional scholarships are available
depending on the partnership with KOREATECH

School		Major
Undergraduate	Mechanical Engineering	Automobile, Environment and Energy Manufacturing of System Design Intelligent Systems
	Mechatronics Engineering	Production Systems Control Systems Digital Systems
	Electronical, Electronics & Communication Engineering	Electrical Engineering Electronics Engineering Information and Communication Engineering
	Computer Science & Engineering	Computer Hardware Computer Software Smart IT
	Industrial Design & Architectural Engineering	Design Engineering Architectural Engineering
	Energy, Materials & Chemical Engineering	Energy and Materials Engineering Applied Chemical Engineering
	Industrial Management	Industrial Management Innovation Management

* **The above contents may be changed by certain circumstances. For more details, please contact to the international team at KOREATECH.**

Int'l Student Mobility Programs

Seasonal School Program

- **Winter School: short program to learn Korean language & culture**
  ※ **32 students from 8 universities (Winter School in Jan. of 2019)**

  | Period | 3 weeks during vacation
- Winter School : January ~ February | Scholarship | Tuition fee, dorm fee, etc.
* Only for partner universities |

- **Global Capstone Design : co-op research program**
  ※ **Categories : Solar cell, 3D printing / 22 students from 9 partner universities**

  | Period | 4 weeks during vacation
- June ~ July | Scholarship | Tuition fee, dorm fee waived
* Only for partner universities |

POLYTECH
Peter the Great
St.Petersburg Polytechnic
University

Insper | Instituto de Ensino e Pesquisa

ZHEJIANG UNIVERSITY 1897

UNIVERSITÄT DES SAARLANDES

HIT 1920

Harbin Institute of Technology

Int'l Student Mobility Programs

2019 Global Capstone Design (July 12 to Aug. 9, 2019)

Int'l Student Mobility Programs

- **GKS (Global Korea Scholarship) is supported by the Ministry of Education in Korea (air fare, tuition fees, medical insurance, etc.)**
  ※ **mainly offered for international undergraduate, graduate students**

Int'l Student Support Programs

- **Field Trip**
  - **Visiting various attractions**

- **Professional Counseling Services**
  - **Offering English counseling by KOREATECH Counseling Center**

- **Other Services**
  - **Renewing visas, acquiring medical insurance, and others**

  ※ **Int'l House (dorm), Sports facilities, and other modernized facilities are provided for international students**

Library

Dormitory

KOREATECH Smart Learning Factory (newly opened in 2019)

World Class   5G Based

· **Smart Factory + Learning on campus**

· **Main curricula: FMS(PLC, Robot, 3D Printing) and ICT(Big data, A.I/)**

· **Education and R&D facility in the field of the 4th industrial revolution**

KOREATECH Clean room

· **Unique** education and research facility on campus mainly for **Semiconductor and Solar cells** study

· Open for undergraduates & graduates students in the university

  * Related departments: Electronical, Electronics and Communication Eng., Mechatronics Eng., New materials Eng.

· Students also do their graduation works using this equipment in cleanroom

Education & Research facilities

Education & Research facilities

Location
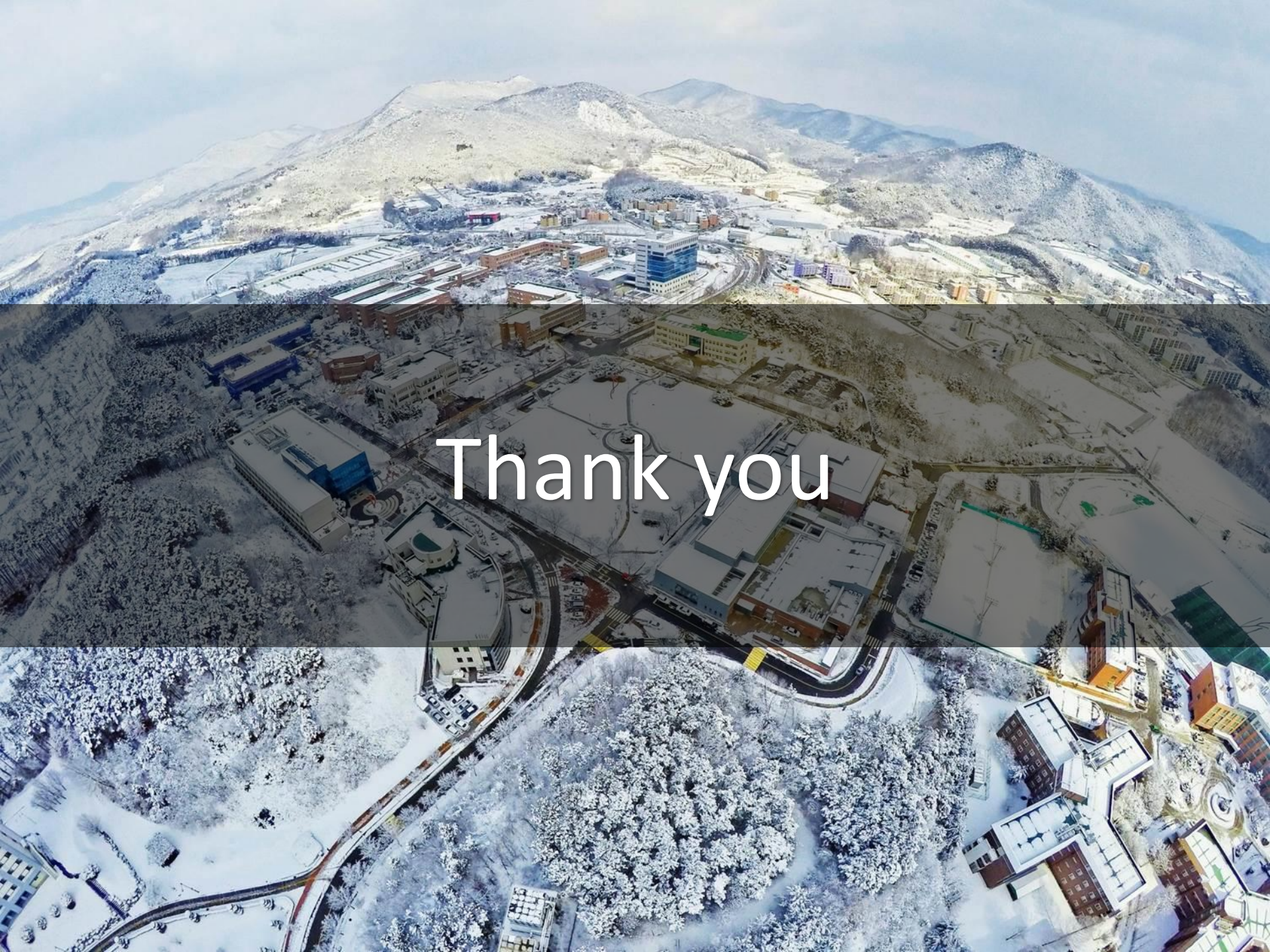

- ✓ KOREATECH is located in Cheonan city which has 660,000 population.

- ✓ It is 80 km (50 miles) away from Seoul and takes 75 mins by driving and 30 mins by train from Seoul.

- ✓ KOREATECH has Everyday shuttlebus to Seoul for student's convenience.

Thank you