



Ministry of
Employment and Labor



KOREATECH
KOREA UNIVERSITY OF TECHNOLOGY & EDUCATION

Korea University of Technology and Education (**KOREATECH**) was established
by the Korean **Ministry of Labor** in 1991
under 『Act on the development of vocational skills of workers』.

Main missions of
KOREATECH

01

Education for TVET teachers, Practical engineers and HRD specialists

02

Development of Education Models for Vocational Competency



KOREATECH's Three Major Features



Korean Universities Review

- Ranked **One of the top tier** Universities in engineering universities
- Ranked **No.1 in Education-oriented universities**
- **No.1 nationwide Job placement rate** of 4-year university graduates at 85.1%

No.	Univ.	No.	Univ.
1	Sungkyun kwan	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

TOP 12 Engineering universities (JoongAng Daily, 2017)



**KOREATECH
 Achievements**



KOREATECH HRDI

Purpose of Establishment

- ***HRDI of KOREATECH is The Only Training Institute attached to the University***
- ***HRDI develops vocational education programs for TVET teachers and HRD personnel***

Main Programs

- ***Korean TVET teachers license / retooling programs***
- ***Global TVET teachers training programs***



Total 76,951 trainees (2018)

29,836	TVET teacher license course
17,448	Training programs for TVET teacher
19,531	NCS (National Competency Standards)
10,136	Capacity building for work-based learning Specialist



HRDI Innovative Programs

Special Courses

- All the courses are designed for The 4th Industrial Revolution
- **TOTAL 15 Fields, 117 Courses**

Course Examples in 2018

<i>Training Areas</i>	<i>Hours</i>	<i>Trainees</i>
Augmented Reality	25~31	>100
3D Printing	20~30	>120
Internet of Things	25~31	>150
Robot Software Development	25~35	>100
Smart Factory	20~31	>150
Big Data	25~31	>100
Fin Tech	25~31	>100



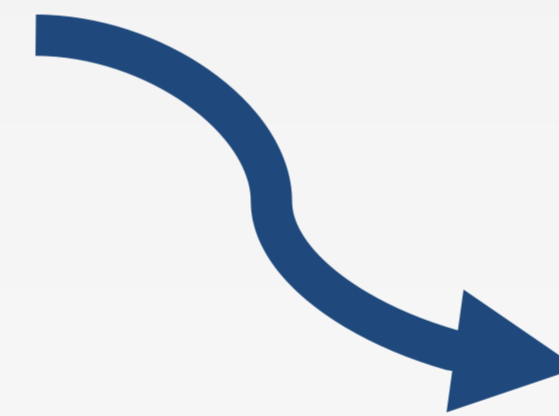


Smart Learning Factory

Main Concept



Physical World



Data Sharing



Cyber World



TVET programs in Smart Learning Factory

Indonesia (2019)

- **Capacity Building Program for Indonesian TVET teachers in preparation for The 4th Industrial Revolution**
- 6 weeks in Smart Learning Factory

Main Cooperation Partners

- **SAMSUNG Display**
- **Korea Electric Power Corporation**
- **Korean Standards Association**
- **SMEs**

Course Examples

<i>Training Areas</i>	<i>Hours</i>	<i>Trainees</i>
Skill up C programming	6~10	30
Aduino Programming	4~6	
Database Connection	4~6	
Data Visualization	6~8	
IoT sensor development	10~12	
PLC programming	12~16	
Robot control project	20~22	



Invitational TVET Programs

Countries	Periods	Participants	Fields	Budget
Indonesia	6 weeks	30 (TVET teachers)	Smart Learning Factory, Solar Cell	Indonesian Govern
ASEAN	6 weeks	20 (TVET teachers)	IoT	Korean Govern
	6 weeks	20 (TVET teachers)	TBD	
	1 year	20 (TVET policy makers)	Master degree	ASEAN-ROK Cooperation Fund
	6 weeks	100 (TVET teachers)	TBD	





TVET Program : Degree Program

Global TVET Management (MA)

- Objective: **Fostering TVET specialists and promoting policy alliance in TVET**
- Target Country : **ASEAN** (as of 2018)
- Scholarship: **Tuition fee, Dormitory, Allowances**



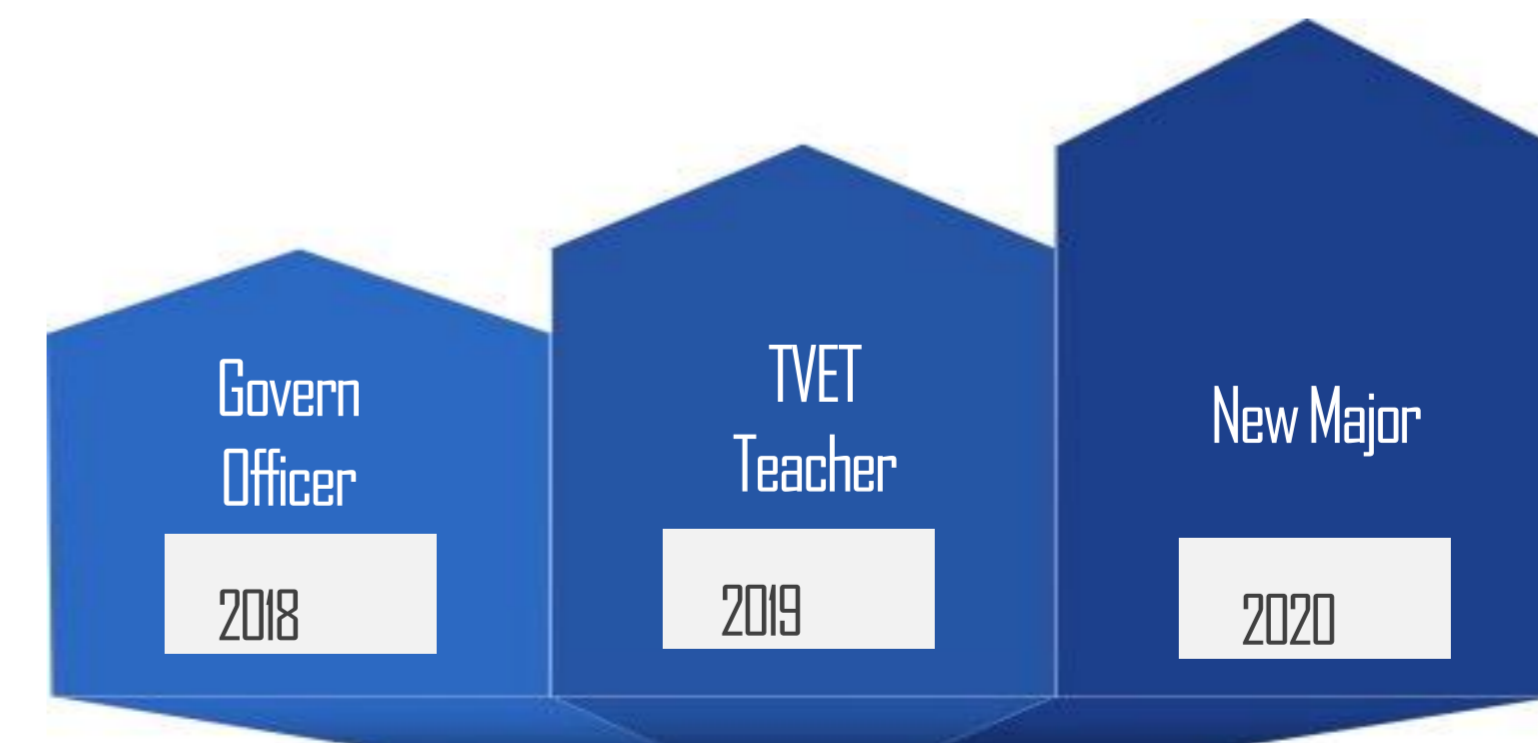
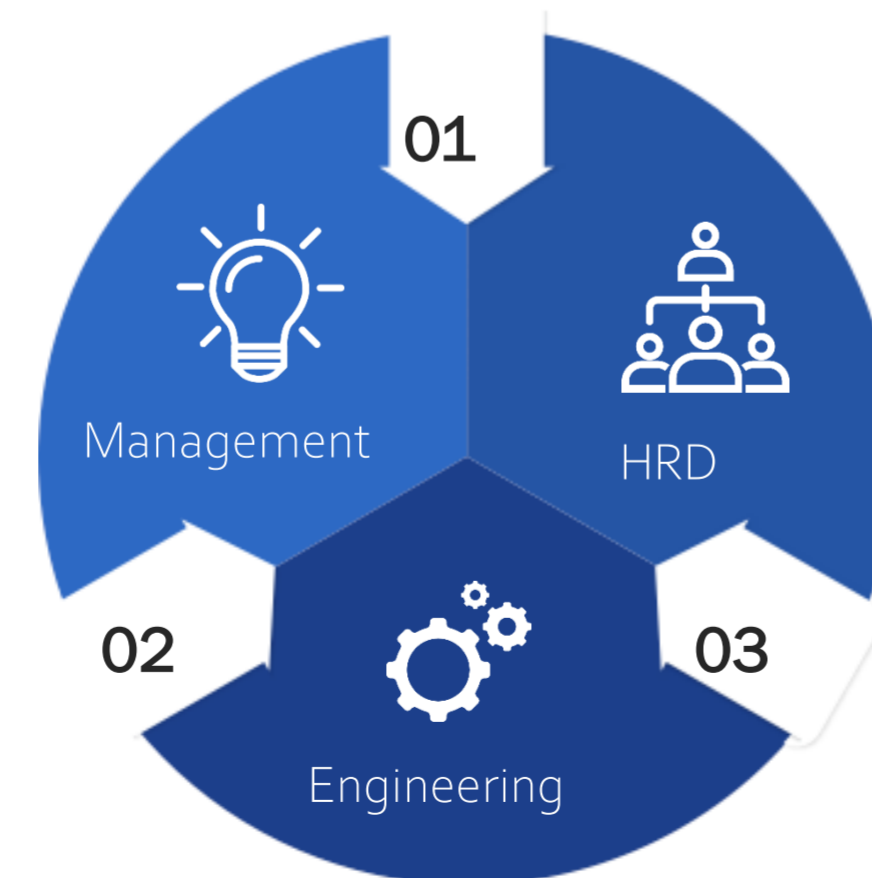
Integrated and Tailored program

Language

English

Duration

1 year (4 semesters)



Future Plan of expansion (~2020)



TVET Program : TVET University Committee

TVET-CAMPUS

- **Participant nations : Thailand, Malaysia, Cambodia, Vietnam**
(As of December, 2017, 8 universities & colleges from 5 Asian countries)
- **Student Mobility Program (1~2 semesters) for members**
 - **Scholarship : Tuition fee, Dormitory fee, etc.**



Main Cooperation Fields

- **Personnel exchange**
(Student mobility, Faculty exchange)
- **Education and research, etc.**



Thank You

**KOREA UNIVERSITY
OF TECHNOLOGY & EDUCATION**

