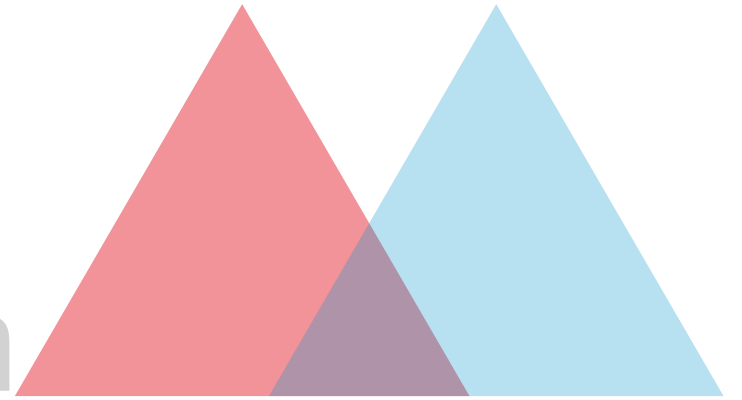


UNITWIN Cooperation Program for Quality Teacher Education



Korea National University of Education

2020.12.18.(Fri.)

Prof. Younghoon Kim

(Geography Education,
PM. KNUE UNITWIN program)

gis@knue.ac.kr

Contents

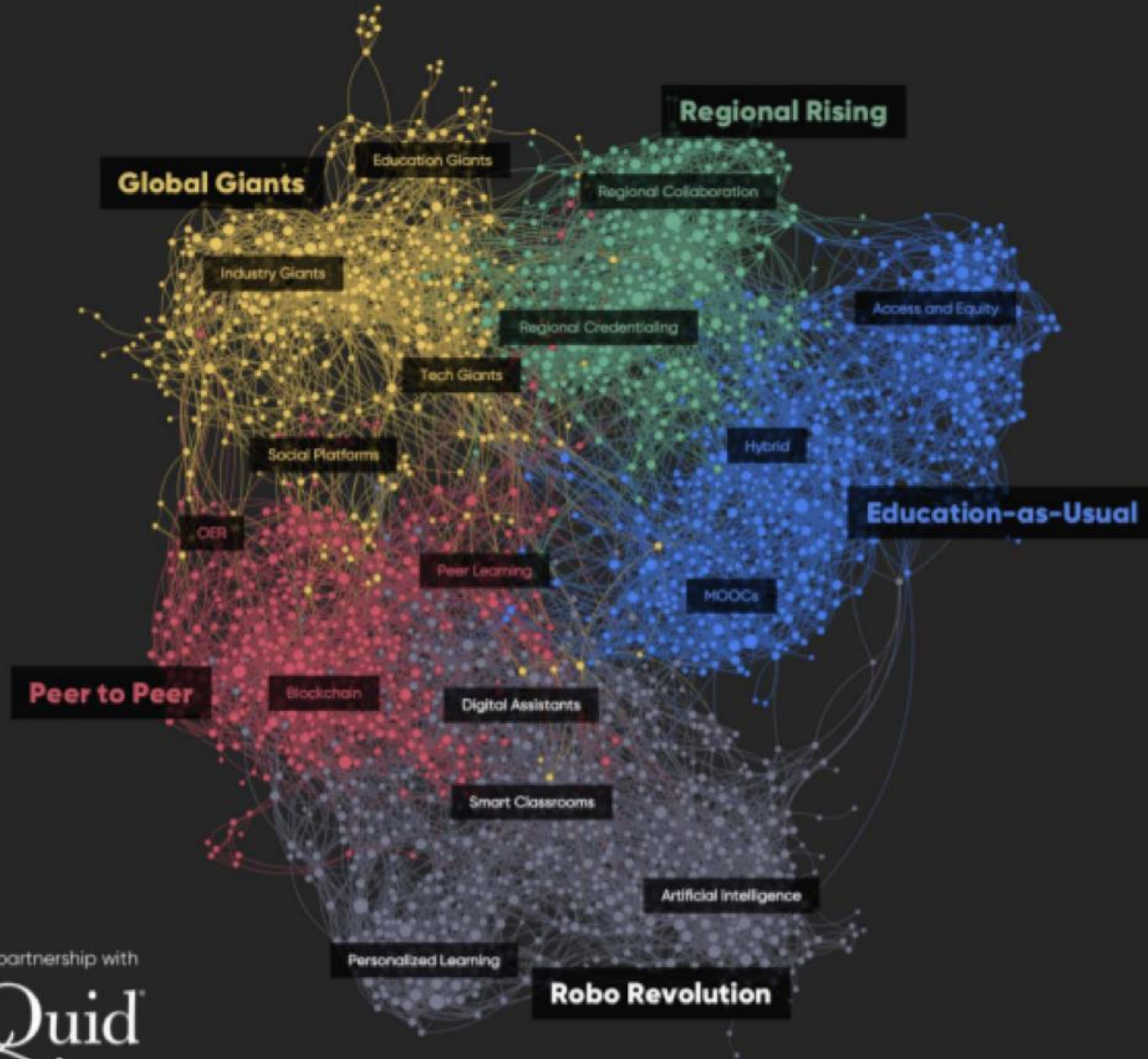
001 Backgrounds and Motivations 

002 Main Objectives

003 Project Strategies 

004 Major Achievements

005 Long Term Strategies



Education-as-Usual

Traditional education institutions remain the trusted source of learning and the most effective vehicle for jobs and prosperity. Higher Education consolidates, global talent platforms emerge and government remains the core source of funding around the world.

Regional Rising

Regional alliances dominate the competitive education landscape, supported by strategic and political cooperation. Cooperative blended delivery and regional talent hubs cross-load labor supply and demand to strengthen regions.

Global Giants

This global free market environment has fostered the emergence of 'mega-organisations' with ubiquitous brand recognition and the scale to achieve significant efficiencies and industry power.

Peer to Peer

Learning online through rich, personalized human to human experiences dominates the post-secondary and skills training sectors. Blockchain technology fundamentally reconfigures credentialing and unlocks the collective creativity and IP of teachers.

Robo Revolution

AI drives a complete reversal in 'who leads learning', with virtual tutors and mentors structuring learning paths, providing assessment tasks, giving feedback, adjusting according to progress and organizing human tutoring when needed.

Teachers

Teachers remain **trusted facilitators** of learning.

Increasing pressure for data on student learning, but with **inadequate technical infrastructure**, increasingly takes teacher time away from instruction.

Support for teacher

Alignment of teaching qualification frameworks and registration allow **labor mobility** in the region.

Teacher exchange and professional development programs support shared **innovation** and learning from experts.

Technology infrastructure, software and data reporting **eases the manual workload** for teachers.

The teaching professional requires a high level of **data and technical proficiency**.

Contingent faculty make up the **majority of teaching staff** at higher education institutions worldwide.

P2P economy has **unlocked the collective creativity** and IP of teachers, allowing the exchange and sharing of massive curriculum content sets.

001 Backgrounds and motivations

1

Program Durations and Time Table

2019

Pre-year

KNUE-UNITWIN program titled:
'Quality Teacher Education'

2020

2021

2022

2023

And beyond!

Objectives	2020	2021	2022	2023	Expected Outcomes
Building cooperative network					Consolidation of cooperation network & global partnership
Developing quality teacher education programmes					Establishment of sustainable programmes for quality teacher education & institutional development
Implementing quality teacher education programmes					Strengthening of teacher's pedagogical competencies & Implementation of the institutional sustaining system
Consulting & Facilitating self-sustained growth and expansion					Sustainable growth and expansion of quality teacher education programmes and policies

001 Backgrounds and motivations

2 partner institutions

Indonesia

Indonesia University of Education



Laos

Souphanouvong University



Vietnam

National University-
University of Education



Thailand

Khon Kaen University,
Mahidol University



002 Main objectives

1 Three Main Objectives

The goal of this project lies in the contribution to the sustainable development of underdeveloped countries through high-quality teacher education

To such ends, this program strives to achieve the following three objectives:

**Training
quality
teachers**

**Creating
networking**

**Developing
curriculum**

Project contributing to national and regional development in teacher education

002 Main objectives

2 Objectives Details

• Quality Teacher Training

- KNUE has accumulated experience and know-how with specialists in education.
- to present a successful model for constructing high-quality teacher education necessary for sustainable development and global citizenship education

• Creating Networking

- To create a practical network and form partnerships with four universities in Asian countries, proposing plans for successful teacher educational activities.
- To carry out educational cooperation activities for a successful educational ecology to implement global citizenship education

• Development Curriculum

- To establish sustainable education curriculum collaboration and sharing systems
- To support educational processes and curriculum reform activities for global citizenship education
- To lead high-quality teacher education in each countries
- To the enhancement of the compentitiveness of Asian and global education in the future

003 Project strategies

Proposed
timetable
of major
activities

Objectives	Major activities	2020	2021	2022	2023	Expected Outcomes
Building Cooperative network	Conducting research on educational needs and environment of teacher education in partner universities					Consolidation of cooperation network & global partnership
	Consolidating UNITWIN Cooperation Network for Quality Teacher Education among partner universities					
Developing quality teacher education programs	Developing pre-service teacher education courses and programmes					Establishment of sustainable programmes for quality teacher education & institutional development
	Developing in-service teacher education programmes and professional training workshop					
	Developing workshops and programs for faculty and staff members of partner universities					
Implementing quality teacher education programs	Providing and consulting courses and programmes for in-service teacher education					Strengthening of teacher's pedagogical competencies & Implementation of the institutional sustaining system
	Providing and practising programmes and training workshops for in-service teacher education					
	Holding conferences, forums, and seminars for the faculty to develop and sustain curricula for quality teacher education					
	Providing training workshops and seminars for the administrative staff to strengthen and sustain institutional competencies					
Consulting & facilitating self-sustained growth and expansion	Consulting sustainable growth and development of quality teacher education					Sustainable growth and expansion of quality teacher education programmes and policies
	Facilitating partner universities' capacity to sustain and expand quality teacher education to meet further regional and national needs					

004 Major Achievements

1 International Seminar, 2019

- Subject: Teacher Curriculum, Certification, Training, and Innovation

Sessions	Speakers
Session I. Education Innovation, policy and certification	Maitree Inprasitha, (KKU)
	Nam-Hwa Kang (Physics Education)
Session II. Teacher Training	Ari Widodo (UPI)
	Jungjoo Sohn (Earth Science Education)
Session III. Educational Curriculum Program	Nguyen Chi Thanh (VNU)
	Youngju Lee (Department of Education)
Session IV. Education Policy and Teacher Certificate	Dinn Wahyundin (UPI)
	Young Sek Kim (Department of Education)
Session V. Teaching and learning, content	Yang Xang (SU)
	Sang-Young Park (General Social Education)
Session VI. Teaching and Education Counseling	Tran Thanh Nam (VNU)
	Sianouvong Savathvong (SU)
Session VII. Panel Discussion - A Way forward for a Solution	Younghoon Kim (Geography Education)



*The 1st international seminar on the KNUE UNITWIN
June 17 ~ 19, 2019 KNUE, the Republic of Korea*

Please find the contents at KNUE-UNITWIN website:
<https://unitwin.knue.ac.kr>

004 Major Achievements (2019-2020)

2 Field Work, 2019-2020

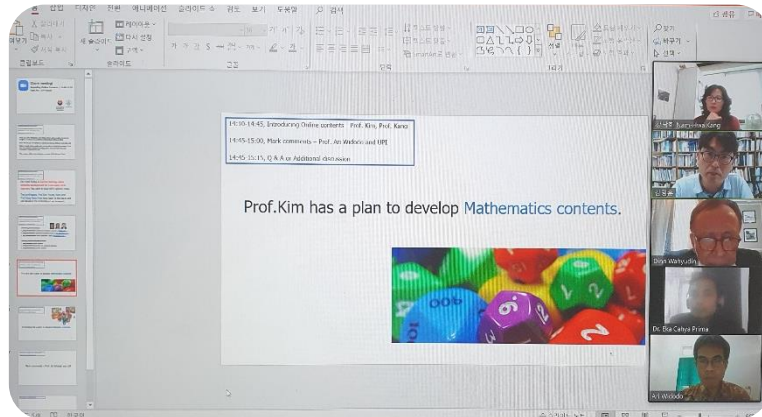
- Thailand - Khon Kaen University, 2019-09
- Vietnam - University of Education (VNU-UED), 2019-11
- Laos - Souphanouvong University, 2020-01



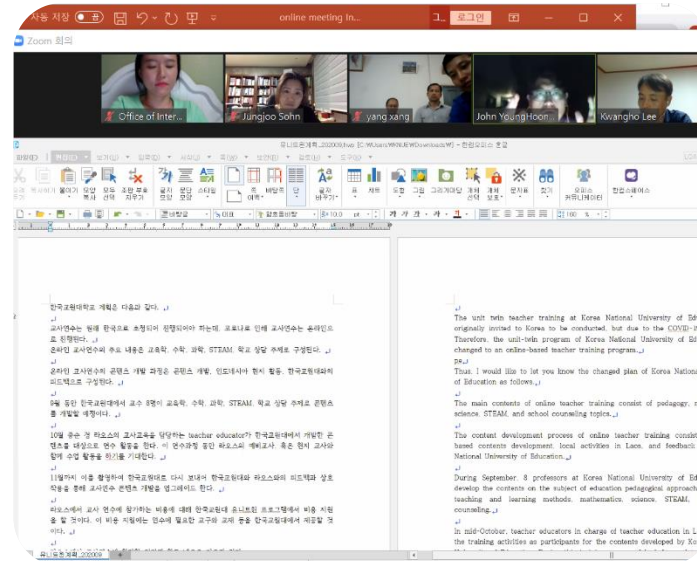
004 Major Achievements (2019-2020)

3

Online Meeting, 2020



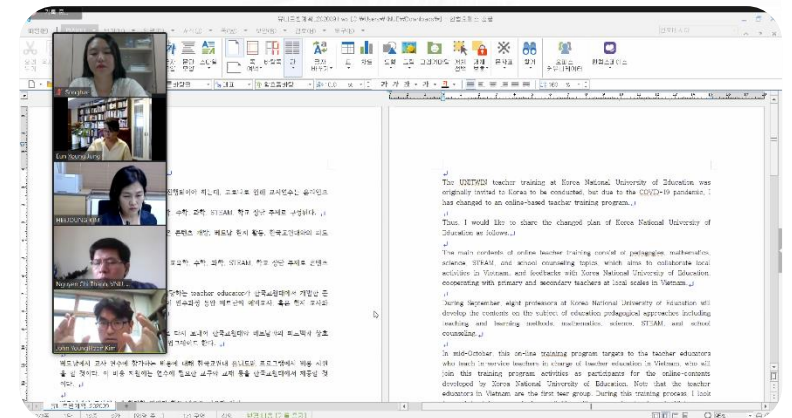
<Indonesia, Zoom meeting>
Sept. 3rd, 2020



<Laos, Zoom meeting>
Sept. 4th, 2020



<Thailand, Mini-Workshop>
Oct. 14th, 2020



<Vietnam, Zoom meeting>
Sept. 11th, 2020

004 Major Achievements (2019-2020)

4

Online-Contents Development, 2020

General
Pedagogy

Counsel

STEM
Education

STEAM
Education

Math

Science

음수 놀이 학습

우체부 놀이

4. 우체부가 주거나 가져온 어음과 고지서에 따라 수령자는 식을 세우고 정답을 이야기 합니다.

5. 5회 진행한 후 역할을 바꾸어 다시 5회를 수행합니다.

6. 정확한 식과 정답을 많이 이야기한 친구가 승자가 됩니다.

Ex) 우체부가 3장의 어음과 2장의 고지서를 수령자에게 주었습니다.

Check

Check

Check

Bill

Bill

<Teacher Training Contents,
Math>

>>Vygotsky's Social Constructivism

>> L. Vygotsky (1896~1934)

>> Social Constructivism

- Learning is collaborative in nature and the cultural and social context are major factors;
- All cognitive functions originate as products of social interactions;
- Learning is NOT just the assimilation of new knowledge;
- Learning IS a process by which learners are integrated into a knowledge community;
- Personal constructivists have overlooked the social nature of language;

Culture

Development

Social Interaction

Language

<Teacher Training Contents, Pedagogy>

Closing

• Anchovy Dissection

• Scientific Observation

Type of sense

Manipulation

Quantification

Totality

Number of Objects

Target's time range

<Teacher Training Contents,
Science>



PYTHON

Top features of Python

- Easy to use and learn
- Supportive Python community
- Numerous libraries
- Efficient and fast language
- Most Preferred language
- Flexible Language
- Python in Academics
- Automation of tasks
- Python is a versatile language

<https://customerthink.com/top-reasons-why-python-programming-is-so-popular/>

Walking
Monster
project

2차시

WMP 2차시

<Teacher Training Contents, Science>

004 Major Achievements (2019-2020)

5 International Seminar, 2020

- Title: Teacher Education in UNTACT Era
- Scope and Interest: Online-AI-STEAM Education, Educational Contents

Online
Education

AI
Education

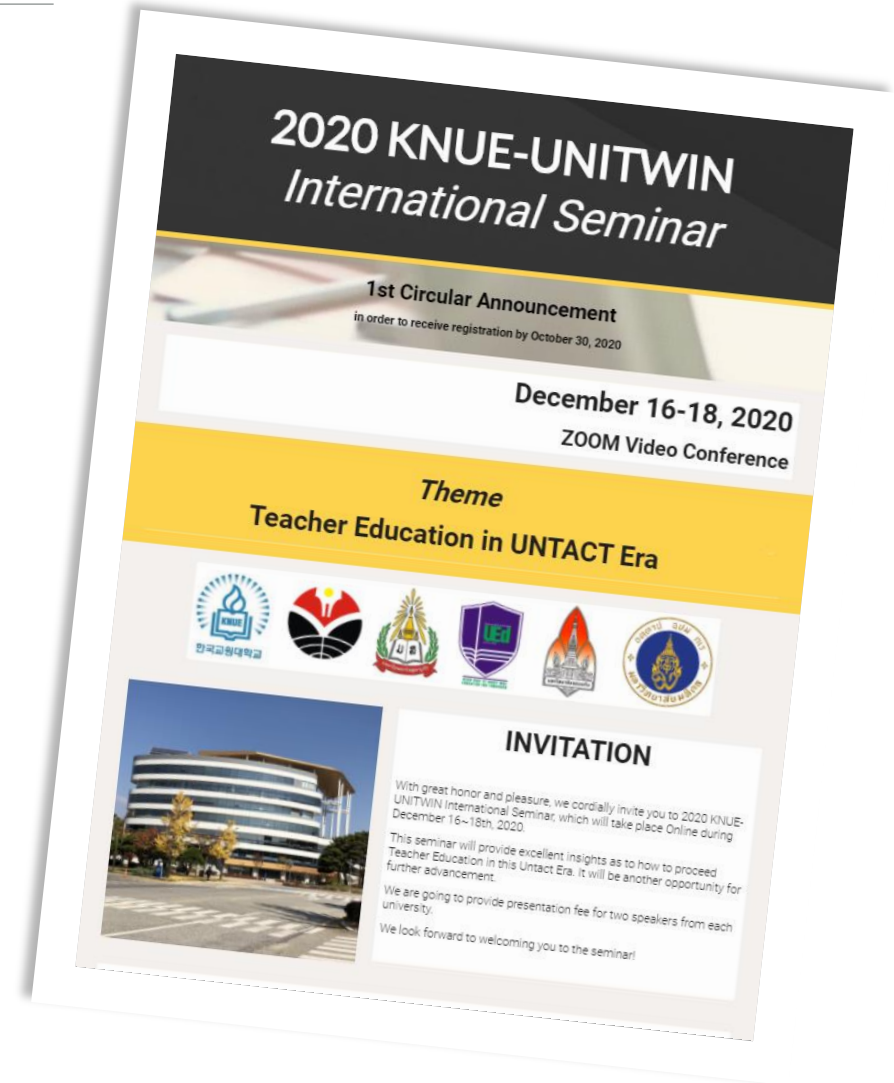
STEAM
Education

Educational
Contents

Date & Time: Wednesday , December 16th~18th 2020
15:00-20:00 each day (GMT+9)

Operation: On-line, using ZOOM / **Language:** English

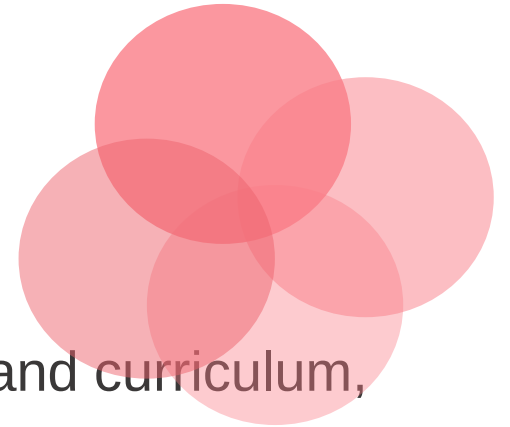
Format: Presentations and a panel discussion



005 Long-Term Strategy

Specific objectives

- Strengthening teaching and class capacity of teachers
 - Teaching methods, guidance methods
- Strengthening institutional competitiveness
 - Enhancing institutional capacity for educating teachers
- Enhancing educational content competency
 - Educational content development for global citizenship education and curriculum, and high-quality teacher curriculum reform to be proposed
- Establishing global competency and network competitiveness
 - Global partnership for high-quality teacher education



005 Long-Term Strategy

Expansion of partner countries

Myanmar

Yangon University of Education

Philippines

Mindanao State University



**Thank You for
Your attention.**