

# **KICTE CON-NECT Program 2018**

(**CON**necting the **NEXT** Engineering & **CON**struction Talents)

August 22(Wed.) – August 24(Fri.), 2018  
Incheon, Republic of Korea



Korea Institute of Construction Technology Education

# CONTENTS

<b>PART I. Course Overview</b>	<b>01</b>
<b>PART II. Course Module</b>	<b>02</b>
<b>PART III. Training Schedule</b>	<b>03</b>
<b>PART IV. Useful Information</b>	<b>04</b>
<b>Appendix 1. KICTE Fellowship Community</b>	<b>06</b>
<b>Appendix 2. Map and Venue Information</b>	<b>07</b>

**1. TITLE: KICTE CON-NECT Program 2018**

(CONnecting the Next Engineering & Construction Talents)

**2. DURATION: August 22(Wed.) – August 24(Fri.), 2018****3. GOAL**

To support international students to enlarge their perspective on construction workforce training system in Korea

**4. OBJECTIVES**

- a) To facilitate international students' (infrastructure and urban master's and doctoral programs) understanding of policies and the status of Korea's construction workforce training programs;
- b) To demonstrate and develop skills and use of knowledge on engineering through interactive lectures;
- c) To strengthen future cooperation in Smart Building areas between Republic of Korea and the participating countries;
- d) To form necessary network among participating countries by introducing Information technology of infrastructure developed in Korea..

**5. NUMBER OF PARTICIPANTS: 12 International students**

**(Master's / Doctoral Program)**

**6. LANGUAGE OF INSTRUCTION: English****7. VENUE: Incheon, Republic of Korea****8. TRAINING INSTITUTE: Korea Institute of Construction Technology Education**

<http://eng.kicte.or.kr>

# PART II

# COURSE MODULE

## 1. COURSE MODULE

MODULE	MAIN LECTURES & DISCUSSIONS	STUDY VISIT
<b>Module 1.</b> Korea's Construction Workforce Training and Economic Development	<ul style="list-style-type: none"><li>▷ Background of establishment of construction workforce training system in Korea</li><li>▷ Current status and main issues of construction workforce training</li><li>▷ Case Study : International cooperation in the field of infrastructure</li></ul>	<ul style="list-style-type: none"><li>- Teasung SNI (BIM Lab / Seoul)</li><li>- Nowon Eco Center (Smart Building / Seoul)</li></ul>
<b>Module 2.</b> Digital Technology in Construction Industries	<ul style="list-style-type: none"><li>▷ Intelligent Building Technologies for Sustainability</li><li>▷ IoT for Intelligent Building System</li><li>▷ Case Study : intelligent buildings maintenance</li></ul>	
<b>Module 3.</b> Country Report	Participants will prepare short presentations on the present conditions of construction workforce training in their home countries	

## 2. DETAILS OF THE COURSE

### A. Lectures

- Each lecture includes discussion sessions (interactive seminar) with case studies related to the topic.
- Lecture materials will be provided for trainees in both hard and soft copies for the use and spread of the knowledge by and into the belonging groups.

### B. Study Visit & Field Trip

- The trainees will visit 2 sites for study visits and 2 sites for field trips. The sites are closely related to the training topic and the lecturers' networks on the sites will foster mutual cooperation.

**PART III****TRAINING SCHEDULE**

<b>DATE</b>	<b>Schedule</b>	<b>Remarks</b>
<b>DAY 1</b> (Aug 22 / Wed)	<b>Opening Ceremony / Lecture 1 / Cultural Experience</b>	
10:00 11:00 12:00 13:30  15:30 17:30	<b>Opening Ceremony</b> <b>KICTE Tour</b> <b>Lunch</b> <b>Lecture 1: Korea's Construction Workforce Training and Economic Development</b> <b>Country Report</b> <b>Dinner</b>	KICTE (Incheon)
<b>DAY 2</b> (Aug 23 / Thu)	<b>Field Trip 1 &amp; 2</b>	
8:00 10:00 12:30 14:00	Move for Field Trip <b>Field Trip 1: Taesung SNI</b> Lunch <b>Field Trip 2: Nowon Eco Center</b>	Seoul
<b>DAY 3</b> (Aug 24 / Fri)	<b>Lecture / Closing Ceremony</b>	
08:00 10:00 12:00 12:30	<b>Lecture 2: Digital Technology in Construction Industry</b> Lunch <b>Evaluation &amp; Feedback Presentation</b> <b>Closing Ceremony</b>	KICTE (Incheon)

**1. TRAINING INSTITUTE****Korea Institute of Construction Technology Education(KICTE)**

(<http://eng.kicte.or.kr>)

Korea Institute of Construction Technology Education was founded in 1978 as an organization under the Ministry of Construction of Korea for the purpose of educating and training engineers in the construction industry. We have been training 810,000 construction engineers and supervisors and have carried out our duties in developing the construction industry in Korea.

KICTE, with its 40-year history, has been executing the training program for foreign construction engineers to improve the technical and management capability of construction industry in the field of infrastructure. KICTE has been training more than 1,748 foreign construction engineers from 71 different countries covering Asia/Pacific, Africa, Middle-East, Latin America and Europe for the last 34 years.

KICTE opens up training courses for construction management and sustainable energy saving architecture as well as building information system in the industry by delivering fine and edged education for engineers.

**Objectives of KICTE projects are:**

- To enhance the capacity of invited nations in the field of infrastructure development by sharing knowledge and experience in Korea through lectures, study visits and field trips,
- To bring up a practical plan by providing case studies through lectures about the success and failure of development strategies in VE and Smart Building areas that have been implemented in Korea,

- To build capacity in the invited nations by interacting with lecturers who have learned from similar experiences and projects and would give appropriate suggestions on each topic,
- To provide the attendees with opportunities to experience and understand Korea through cultural experiences and visits to historical sites.

## **2. CONTACT INFORMATION**

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## Appendix 1.

# KICTE International Community

The KICTE's Facebook is a place for fellows to ask questions and write comments on KICTE international programs. So, if you have questions regarding our program, please feel free to join our Facebook community.



[facebook.com/kicte01](https://facebook.com/kicte01)



Appendix 2.

## MAP AND VENUE INFORMATION

