



## High Officials Country-Level Workshop on SEA-TVET in Japan

*“Engineering/Technology Education in Japan”*

14-15 July 2016, National Institute of Technology, Tokyo, Japan

*Hosted by the National Institute of Technology, Japan (KOSEN)*

### Concept Paper and Programme

#### 1. Rationale and Background

National Institute of Technology, Japan (KOSEN, for short) has administrated fifty one (51) colleges over Japan. They have provided not only five years regular course as associate degree program but also two more years advanced course program as bachelor’s degree which has been accredited by Washington Accord. After finishing advanced course program in addition to the five years regular course program, seven years in total, a bachelor degree is conferred to students who completed the program and passed the examination. Furthermore, most of colleges have fifty years history.

KOSEN is a unique higher (tertiary) education institute in Japan, teaching theory at the same level as university and graduate school with practical experiments for mastering engineering skills at much higher level than university. Therefore, students can learn theory with good knowledge and master professional skills in high level. As a result, KOSEN alumni have been highly evaluated from industry as high potential engineers. In addition, outcome of education at KOSEN received high evaluation by OECD Reviews of Tertiary Education [1], the Washington Post article [2] and so on. Hence, KOSEN education has made a great contribution for economic growth, engineering/technological improvement and innovation in Japan.

Presently, Asian region particularly Southeast Asian countries become a powerful engine of economic growth. Besides, innovation speed becomes much higher than before. Therefore, **it is necessary for the Southeast Asian countries to accelerate industrialisation, paradigm shift from labor-intensive industry to technology intensive and highly value-added one.** The development of TVET human resources from the “Technologists or Technicians” to “Engineers who are well equipped with theory and practical training” is also one of the crucial and urgent key issues of the Southeast Asian region.

Considering the needs for improving TVET education in the areas of highly technological/engineering programmes in Southeast Asia, the National Institute of Technology, Japan or “KOSEN” has collaborated with the Southeast Asian Ministers of Education Organization (SEAMEO) in organizing the **High Officials Country-Level Workshop on SEA-TVET in Japan on 14-15 July 2016 in Tokyo, Japan.** The workshop is hosted by KOSEN,

and supported by MEXT (Ministry of Education, Culture, Sports, Science and Technology).

The workshop mainly aims to 1) share the KOSEN engineering educational model, including curriculum, R&D activities, pedagogy and learning environment that will be beneficial for the Southeast Asian TVET High Officials and Directors to learn and adapt the KOSEN model for improving quality of TVET education at the country and institutional level; 2) develop a partnership platform between Japan and the Southeast Asian countries; and 3) identify potential collaborative programmes/activities between Japan and the Southeast Asian countries.

[1] 2009, ISBN 978-92-64-03932-2

[2] October 14, 2011,

([https://www.washingtonpost.com/local/education/with-workplace-training-japans-kosen-colleges-bridge-skills-gap/2011/10/03/gIQAF0gmjL\\_story.html](https://www.washingtonpost.com/local/education/with-workplace-training-japans-kosen-colleges-bridge-skills-gap/2011/10/03/gIQAF0gmjL_story.html))

## **2. Objectives**

The objectives of the workshop are as follows:

- A) To share the KOSEN engineering educational model, pedagogy and learning environment
  - A1) Overview of KOSEN engineering education
  - A2) Exploration of engineering and technology education in Mechanical Engineering, Electrical Engineering, Electronic Engineering, Computer Science(IT), Chemical Science Engineering.
- B) To establish a networking platform between KOSEN and Southeast Asian countries, as well as discussing the role of parties involved in human resources development and teacher training, including the involvement of industrial sectors.
- C) To explore and identify specific Frameworks of Cooperation and commitments for teacher training and other collaborative activities between Japanese colleges under the KOSEN's network and Southeast Asian countries.

## **3. Host Organiser and Partners**

Host Organisation: National Institute of Technology, Japan (KOSEN)

Regional Coordinator: Southeast Asian Ministers of Education Organization Secretariat (SEAMEO Secretariat)

## **4. Theme**

Engineering/Technology Education in Japan

## **5. Schedule and Venue:**

14-15 July 2016 at the National Institute of Technology (Tokyo College), Japan

## **6. Priority Study/Industry areas for the Country-Level Workshop in Japan**

Considering the potential areas of partnership development, KOSEN has recommended the following four (4) priority study areas which have potential in developing partnership or collaborative programmes between Japanese colleges under the KOSEN's network and the participating Ministries and TVET institutions from Southeast Asian countries.

- a) Mechanical Engineering
- b) Electric/Electronic Engineering (including communication)
- c) Computer Science (Information Technology)
- d) Chemical Science

## **7. Participants:**

The High Officials Country Level Workshop in Japan is expected to bring together approximately 70 participants from the following organizations:

- a) Secretary-General/Director-General, Deputy Director-Generals, Directors, and experts from Technical and Vocational Education Department, Ministries of Education, and related ministries from eleven Southeast Asian countries.
- b) President/Directors of advanced TVET Institutions from Southeast Asian countries.
- c) Directors/Coordinators of related development agencies and partners on TVET.
- d) Management and academic staff from Japanese colleges under the KOSEN's network.

## **8. Expected Outputs:**

- a) Understanding of engineering education and pedagogy of KOSEN via class observation, facility visit, discussion with students and academic staffs and so on.
- b) Collaborative commitments of the participating institutions for TVET human resource development, teacher exchange, educational consultant or other collaborative programmes between Japan and Southeast Asian countries.

## **9. Funding Support:**

- a) KOSEN will support the following expenses to the maximum of 40 representatives from Southeast Asian countries (two persons per Ministry).
  - **Accommodation for 2 nights** of a single room. (Check-in 13 July and Check-out 15 July)
  - **Program expenses** as meeting package, venue arrangement, administrative expenses, and domestic arrangement for the technical visit program.
- b) The **airfare ticket, transportation for airport transfers in their country and in Japan, and allowance** of the TVET High Officials or representatives from the Southeast Asian countries should be supported by the respective Ministries/TVET institutions.

## 10. Accommodation and Instructions for Airport Transfer in Japan:

The official accommodation for participants will be arranged at the “**KEIO PLAZA HOTEL TOKYO**” (Address: 2-2-1 Nishi-Shinjuku, Shinjuku-Ku, Tokyo, 160-8330 Japan)

Website: <http://www.keioplaza.com>

The Keio Plaza Hotel is at the perfect location to explore the delights of the city of Tokyo. The hotel is located just outside Tochomae Station or only 5-minute walk from Shinjuku Station, the most popular shopping and entertainment area. The room rate at Keio Plaza Hotel is JPY 32,600/night for a single room and JPY 37,120/night for a twin room.

- a) The Coordinator at KOSEN will reserve rooms for all official participants from the Southeast Asian countries according to the room requirement in the Participant’s Form.
- b) **Airport transfers between the airport and the KEIO PLAZA HOTEL TOKYO will not be provided.** The participants are requested to check the hotel website for their own arrangement of the airport limousine bus or Narita Express NEX services to the hotel. ([http://www.keioplaza.com/map/index.html#map\\_index\\_airport](http://www.keioplaza.com/map/index.html#map_index_airport))
  - The airport limousine bus stop is very convenient as it is in front of the hotel. The nearest train stations of the hotel are “Tochomae Station” and “Shinjuku Station”.
  - Other websites to check the airport limousine bus services are:
    - From Narita airport: <http://www.limousinebus.co.jp/en/>
    - From Haneda airport: <http://www.limousinebus.co.jp/en/>
  - For enquiry on airport transfer arrangement , please contact Dr Sugimoto at E-mail: [gspp@kosen-k.go.jp](mailto:gspp@kosen-k.go.jp)
- c) For the participants who will leave on 16 July or other days, we would like to recommend to change the hotel. KOSEN has arranged “**Washington Shinjuku Hotel**” for the participants who will leave on 16 July, but the room payment will be responsible by the participants.

**Washington Shinjuku Hotel:** (<http://shinjuku.washington-hotels.jp/>). It is 5 minutes walking from Keio Plaza Hotel to the Washington Shinjuku Hotel.

The room rates are: Single room -JPY 14,800/night and Twin room - JPY 22,800/night

To reserve a room, please contact Mr Tsubasa ARAI at email: [sea-tvet@tobutoptours.co.jp](mailto:sea-tvet@tobutoptours.co.jp)

## 11. Coordinators :

For additional information of this workshop, please contact:

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