

SKILLS EVALUATION SYSTEM
PROMOTION PROGRAM (SESPP)

**REPORT ON THE TRAINING SESSION
IN CAMBODIA**

Experts	Mr. KINOSHITA Tomihiro, Mr. KAWASHITA Masahiko / Kinden Corporation
Period	Monday, December 16, 2019 ~Friday, December 20, 2019
Venue	Phnom Penh City, King of Cambodia National Polytechnic Institute of Cambodia (NPIC)
Training course	Vocational Evaluation Method (VTM) , Skills Evaluation Trial (SET)
Trade & Grade	Electrical Installation (Trial for the ASEAN Skills Competition+Demonstration)

December, 2019

Outline of Results

1. <VTM>

Number of participants: 10 (including 8 observers)

Number of completed participants: 10 (including 8 observers)

<SET>

Number of assessors & examinees: 2

Number of observers: 8

2. Schedule

Date & Time	Contents
Dec. 16 (Mon) 9:00 AM ~4:30 PM	【Demonstration: Day 1】 · Opening Ceremony · Decoding drawing, processing method of box and vinyl duct
Dec. 17 (Tue) 9:00 AM ~4:00 PM	【Demonstration: Day 2】 · Machining method and mounting of mesh tray · Bending method and mounting of vinyl pipe · Cabling
Dec. 18 (Wed) 9:00 AM ~4:00 PM	【Demonstration: Day 3】 · Cabling and supporting method in mesh tray · Assembly of power distribution and power board
Dec. 19 (Thu) 9:00 AM ~4:00 PM	【Demonstration: Day 4】 · Power distribution and wiring method in power board · Cabling to the power distribution
Dec. 20 (Fri) 9:00 AM ~4:00 PM	【Demonstration: Day 5】 · Connecting wires into the power board · WorldSkills based evaluation method · Closing Ceremony

3. Reviews

In this fiscal year's program, we provided guidance aimed at winning a prize at the ASEAN Skills to be held in Singapore in July next year. For a short period of 5 days, we focused on the assignment of panel competition with high score allocation in the competition. Not only the basic construction method of each work, but also the construction procedure for shortening the time and the construction level based on the evaluation standard were understood by the demonstration, and the skill was acquired by the practice afterwards.

In the vinyl duct machining, they learned how to adjust the angle to cut accurately and how to process while correcting the error of the tool used. As a result of the practice, the accuracy was higher than the one created in the National Skills Competition.

In the mesh tray processing, they understood and practiced the method of bending according to the angle of the internal corner of the work panel. As a result, machining and mounting were possible within the evaluation standard.

In the bending of vinyl piping, the bending process based on the theoretical value was understood, and by improving the bending accuracy of piping, the piping mounting accuracy was within the evaluation standard, and they were able to create it.

In the wiring work, the evaluation standard was understood, and the method for processing of the electric wire according to the characteristics of the wiring was practiced.

I feel that they are close to winning the ASEAN Skills by having them understand the points to be within the evaluation standard and practice what they have learned. However, ASEAN Skills is held in another country, so the materials to be on the test are different. The construction method they have learned will not change, so I want them to deal well with the materials they are not used to. This time, they practiced without setting a time limit for the work. I hope they will try to shorten the time by practicing in the future.

(by Mr. KINOSHITA)

4. Results of questionnaire

<VTM>

◆Participants : 10 (Respondents : 10)

Satisfaction level:	Very satisfied	= 10	Satisfied	= 0	Neither	= 0
Usefulness level:	Very useful	= 10	Useful	= 0	Neither	= 0
Needs of continuation:	Must continue	= 9	Should continue	= 1	Neither	= 0

【Suggestions for improvement】

- For us, it was a good training. (3 persons)
- This is not a strong suggestion, however, I think it would be better to have one installation set for the whole observer team. I felt like I was not really involved in the activities due to the lack of practice.
- We need the reference document.
- For me next year, if there are any new programs and new technologies, please help out and thank the Japanese teacher for teaching.
- I would love to have such a program next year again.

【Opinions / comments / preferred training session for the future】

- I hope that the trial of electrical work will be continued. I want to study PLC program because it is an important job for us.

- I hope that the trial next time will also be electrical installation work.
- Overall, the training was really good. The lectures were divided into small sections, so that the trainers and trainees had enough time to interact and trainers could explain deeply in each section.
- Motor control and maintenance for motor control, electronics design board
- KNX, PLC
- KNX, PLC, Electronics
- KNX, PLC, Electrical Installation

◆Manager

Needs of continuation: Must continue = 1

【Opinions / comments / preferred training session for the future】

- If the course title is not changed as Electrical Installation, I would like to add Maintenance. But, if there is a new course, I would like my teacher learn about PLC.

<SET>

◆Assessors/Examinees: 2, Observers: 8 (Respondents : 10)

Satisfaction level:	Very satisfied	= 10	Satisfied	= 0	Neither	= 0
Usefulness level :	Very useful	= 10	Useful	= 0	Neither	= 0
Needs of continuation:	Must continue	= 9	Should continue	= 1	Neither	= 0

【Suggestions for improvement】

- Nothing special
- Please provide reference documents.
- For me next year, if there are any new programs and new technologies, please help out and thank the Japanese teacher for teaching.
- I have no any requests because the program was good enough for me.
- I would like to have such a program next year again.
- For us, it was a good training. (2 persons)

【Opinions / comments / preferred training session for the future】

- Nothing special.
- Motor control and maintenance for motor control, electronics design board
- KNX, PLC
- KNX, PLC, Electronics
- I hope that the trial of electrical work will be continued. I want to study PLC program because it is an important job for us.
- I hope that the trial next time will also be electrical installation work.

◆Manager

Needs of continuation: Must continue = 1

【Suggestions for improvement】

- If possible, I would like to add Maintenance.

【Opinions / comments / preferred training session for the future】

- I would like my instructor learn about PLC, because it is very useful in industry.