

Skills Evaluation System Promotion Program
Project Implementation Report
【Kingdom of Cambodia】

- ◆ October 16~20, 2018
- ◆ Phnom Penh City, Kingdom of Cambodia
National Polytechnic Institute of Cambodia (NPIC)
- ◆ Turning 3rd grade

October 2018

1. Outlines of project

Implementation period:	October 16 (Tue) ~20 (Sat), 2018
Venue:	Phnom Penh City, Kingdom of Cambodia National Polytechnic Institute of Cambodia (NPIC)
Job trade:	Turning 3rd grade
Lecture / Workshop:	Skills Evaluation Method
Instructor / Expert:	Mr. Fumio INAGAWA (Technical Advisor, SESPP Secretariat)
Participant:	8 persons

Implementation schedule

Date	Contents
October 16 (Tue) 08:30AM~04:30PM	Lecture: Skills Evaluation System in Japan, Concept of Job Trades (Turning), List of Skill Elements, Job Criteria and Details, Explanation: Practical exam assignments for Turning 3rd grade, Practical Skills Test Operation Procedures, Measuring instruments to prepare
October 17 (Wed) 09:00AM~04:30PM	Explanation: Scoring Procedures, Items to consider in order to create practical test assignments, Practice on creating practical test assignments
October 18 (Thu) 09:00AM~04:30PM	Presentation of the original test assignments created Explanation of theoretical exam questions
October 19 (Fri) 09:00AM~04:30PM	Explanation of trend of exam questions on 3rd and 2nd grade and practical test assignments on 2nd grade Practice on creating theoretical exam questions for 3rd grade
October 20 (Sat) 09:00AM~04:30PM	Practice of creating theoretical exam questions for 3rd grade Presentation of the original exam questions created and discussion

2. Review of the course

General review

- After the five days training, I felt that they apparently understand how to create practical test assignments and theoretical exam questions. Although the trainees have created 30 exam questions, the trainees who have reached at a level of creating it were about 50% of them.
- I felt that the knowledge and skills on machining have been insufficient for entire the trainees. I think that they have weakness on some skills with the basic parts.
- In order to improve the knowledge and skills on machining, it is very important that instructing and training by an expert with a project of JICA. It seems that observing of usual training condition and train them according to a program created in the view point in the long run is mandatory.

Vocational training and skills evaluation (test) are two sides of a coin, so it is desirable to develop and improve with the best balance between them.

3. Results of questionnaire

Participant (Respondent : 8 persons)

Satisfaction level: very satisfied=7 persons satisfied=1 person

Effectiveness: very effective=8 persons

SESPP needs: strongly wish=7 persons wish=1 person

Q: What were the most meaningful contents/ items at the workshop?

- How to create practical test assignments and theoretical exam questions (7)
- Fit tolerance (6), Surface roughness (6), Cutting condition (6)
- Grade (5)
- Skills evaluation standards (4)
- Practical skills elements (2)
- Cutting fluid (1), Concept of Job Trades (1), Accuracy (1), Machine tool (1), Safety and work attitude (1)

Q: What contents/ items do you want us to implement in the future?

- Evaluation method on Milling (5), English materials concerning training (5)
- Heat treatment experiment (3), Metallurgical engineering (3)
- Metal mold (2), Training materials for measuring machine (2)
- Demonstration by measuring machine (1)

Q: What job trades do you want us to implement at the workshop?

- Machine assembly (7), Milling (7),
- CNC turning (2)

<NOTE> Numbers in parentheses () means the number of respondents.