

Target Countries :

Course No. : 201984364-J002

No. : 201984364

Sector : Education/Technical & Vocational Edu. & Training

Sub-Sector :

Language : English

Outline

This program is designed to develop human resources who can integrate the gaps between education and actual technology in industry by enhancing practical teaching capacity in vocational school, polytechnic-school, technical college and high school. The purpose is to solve problem of "missing middle" in the developing countries by means of HRD in electrical and electronic engineering which is a main social infrastructure.

Objective/Outcome	Target Organization / Group	
<p>【Objective】 Aiming at elimination of technological gap between education and the field site in the electric and electronic fields, this training course will ensure that participants' organizations share proposed improvement of education in universities, vocational training schools with diploma course, polytechnic institutes, polytech college and industrial high schools to enhance their training capability for practical electric and electronic technologies and human resources that meet the needs of companies.</p> <p>【Outcome】 1. Understanding the human resource development, vocational training, in-company education on electricity and electronics in Japan's industry and the regulations, laws and regulations in Japan, and the organization and system for complying with them. 2. Learning basic elemental technologies required by electric / electronic engineers such as electric, electronic and logic circuits, simulation technology, PLC (programmable logic controller). 3. Learning the application fields of element technologies such as motor control, lighting, robot and reenergy, and understanding the workplace of electric and electronic engineers. 4. Preparation of improvement plan of education to solve the issues in your organization in order to propose the plan to the organization.</p>	<p>【Target Organization】 Vocational Training Institution, Technical College, Technical High School dealing with Electrical and Electronic Engineering</p> <p>【Target Group】 ・ Teachers, instructor, laboratory assistant or technician in electrical and electronic engineering at the target org. ・ 2 years working practicum experience in this relevant field ・ Language: have a sufficient command of spoken and written English</p>	
<p>Contents</p> <p>【Preliminary Activity】 Create reports on the current situation and the affiliated organization of your country in the field concerned.</p> <p>【Training in Japan】 ・ Learning the framework of Japanese vocational professional education and the laws and regulations through lectures and visits of educational facilities. In addition, imaging the workplace of electric and electronic engineers through visits of typical Japanese companies. ・ Learning the fundamentals of electric and electronic technology by electric practice, electronic circuit practice, logic circuit practice and PLC practice. In addition, learning how to practice in the absence of experimental equipment by electronic electronic circuit and computer simulation exercises using a personal computer. ・ Training on basic application fields such as application practice of electric motor, exercise of control theory, robot teaching practice, exercise of lighting design and lectures and visits of renewable energy . ・ Identifying problems of participants' countries and organizations face, organizing solutions that can be done by themselves, creating their action plans and making presentation about them.</p>	<p>Course Period</p>	<p>2019/8~2019/10</p>
	<p>Department in Charge</p>	<p>Human Development Department</p>
	<p>JICA Center</p>	<p>JICA Kyushu</p>
	<p>Cooperation Period</p>	<p>2018~2020</p>

<p>Implementing Partner</p>	<p>Kitakyushu International Techno-cooperative Association</p>
<p>Remarks and Website</p>	