



Online and Face-to-Face (in Japan)

Knowledge Co-Creation Program (Group and Region Focus)

# Development of Human Resources Adaptable to Industry Needs in Electrical and Electronic Engineering

(For Instructors/ Teachers in University, Polytech College and Diploma Courses of TVET Institutions)



Course Number: 202515000J001

Course Period: Online: August 10 and August 12, 2026

In Japan: From August 19- October 15, 2026



NOTE: Adobe Acrobat Reader DC and Google Chrome are recommended as PDF viewer. JAWS and NVDA are recommended as screen reader.

NOTE: If there are any difficulties in reading this document, please contact JICA Office in your country or JICA Center in Japan.

NOTE: Depending on the circumstances, some or all of the program periods may be changed or cancelled after the application has been accepted.

産業界の要望に応える電気電子分野人材の育成（大学、TVET機関ディプロマコース教員／指導員向け）



# How can we bridge the technological gap between education and industry?

Learn and explore through hands-on, interactive experiences—drawing on insights from educators and companies in Japan, as well as real-world examples of industry–academia collaboration.

# Outline

This program is designed to develop human resources who can bridge the gap between education and industrial technologies by enhancing practical teaching capacity at universities, vocational training schools offering diploma courses, polytechnic institutes, polytechnic colleges, and industrial high schools.

The program consists of both online and face-to-face sessions in Japan, and includes lectures, discussions, site visits, and presentations.

All sessions are conducted in English

Period of the Program:

Online:  
August 10 and 12, 2026

Face-to-Face (in Japan):  
From August 19, 2026 to  
October 15, 2026

Course Capacity:  
10 participants



## **JICA Knowledge Co-Creation Program (KCCP)**

The Japanese Cabinet released the Development Cooperation Charter in June 2023, stated that “In its development cooperation, Japan has maintained the spirit of jointly creating things that suit partner countries while respecting ownership, intentions and intrinsic characteristics of the country concerned based on a field oriented approach through dialogue and collaboration. It has also maintained the approach of building reciprocal relationships with developing countries in which both sides learn from each other and grow and develop together.” We believe that this ‘Knowledge Co-Creation Program’ will serve as a foundation of mutual learning process.

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# For What?

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## Background

Reducing poverty through economic growth is a shared global challenge. Achieving sustainable industrial development requires the cultivation of skilled human resources. In the electric and electronic fields, improving the quality of teachers and reducing the technological gap between education and industry are essential contributions to development cooperation.

This course aims to foster educators as future leaders by enhancing practical experience and leadership capabilities in the field.

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## Objectives

Participants will learn practical teaching methods and skills in developing effective teaching materials, and formulate feasible problem-solving plans for human resource development in electrical and electronic engineering within their organizations.

# To Whom?

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## Job Areas and Organizations

This program is offered to Instructors/Teachers in Universities, Polytech Colleges and Diploma courses of Vocational and Technical Education and Training Institutions.

Priority will be given to applicants whose organizations demonstrate a commitment to applying the outcomes of this program.

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## Targeted Countries

Bangladesh, Belize, Cambodia, Egypt, Malawi, Maldives, Mongolia, Rwanda, Senegal, Uganda

Participants who have successfully completed the program will be awarded a certificate by JICA.



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# When?

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## Online Program Period



August 10 and 12, 2026

## Face-to-Face Program Period (In Japan)



From August 19, 2026  
to October 15, 2026

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## Online Q&A Session

August 10 and 12, 2026

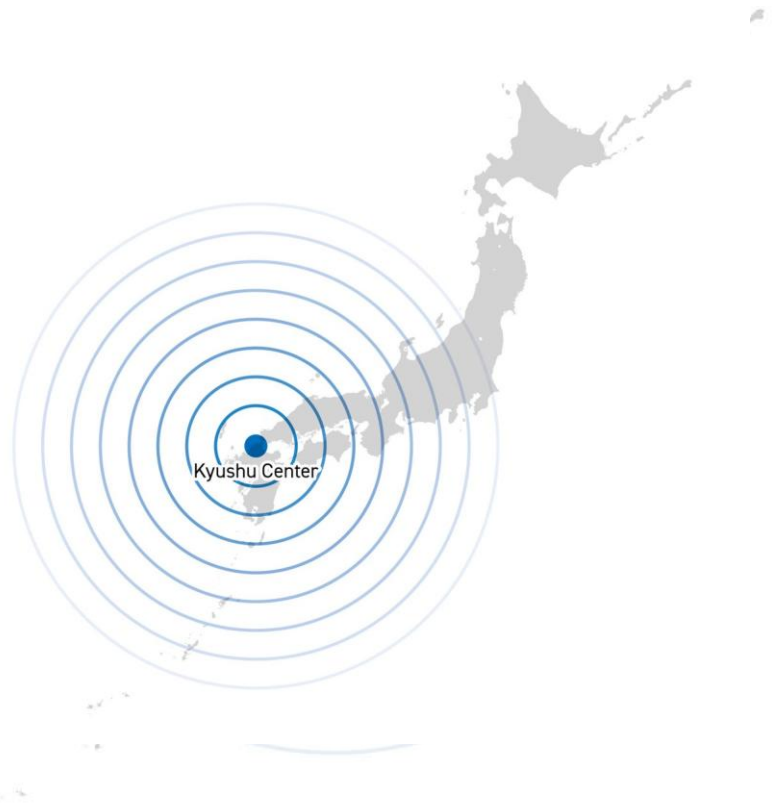
All participants will join via Zoom  
from their respective time zones.

\* The exact schedule will be announced once  
the participants have been confirmed.

# Where?

Before the main face-to-face program in Japan begins, a one- or two-day online program will be provided. Participants are required to have an appropriate IT environment. For details, please refer to page 15.

This program is organized by JICA Kyushu, and the main place of stay during the face-to-face program will be Kitakyushu City, Fukuoka Prefecture. During the program, participants will also visit Tokyo and Osaka for study tours.



# How?

## How to Learn

- Lectures
- Interactive Sessions
- Q&A Sessions
- Site Visits
- Workshops
- Discussions
- Presentations



## Language

English

## Commitment to the SDGs



## Program Structure

### Expected Module Output and Contents

This program consists of the following components. Details on each component are given below:

Expected Module Output	Activities
-“Job Report & Questionnaire” -“Issue Analysis Sheet (IAS)”	Formulation and submission of the “Job report & Questionnaire” and “the Issue Analysis Sheet (IAS)” together with the application form



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## Core Phase in Japan

(August 19 to October 15, 2026)

Expected Module Output	Subjects/Agendas	Methodology
1. Understanding of human resource development, vocational training, and in-company education in the electrical and electronics fields in Japanese industry, as well as the relevant laws, regulations, organizations, and compliance system in Japan.	1. Japan's Industrial Technical Education and Vocational Training Systems 2. Current Status of Education in Japan 3. Electrical laws and Regulations 4. Coaching Management 5. Project Management 6. Site Visit to a Polytechnic College 7. Aite Visit to a Technical High School 8. Introduction to industry-Academia Collaboration	Lectures Site Visits
2. Learning basic elemental technologies required for electrical and electronic engineers, such as electrical, electronic, and logic circuits, simulation technologies, and PLC (Programmable logic controller).	9. Introduction to Analog Circuit Simulation 10. Preparation for Simulation 11. Exercises in AC Circuit Theory 12. Exercises in Electronic Circuits 13. Introduction to Logic Circuit Simulation 14. Exercises in Logic Circuits 15. Power Electronics Simulation Exercises 16. Exercises in PLC Programing 17. Site Visit to a PLC Control System Factory 18. Exercises on Built-in Microcomputers	Lectures Site Visits Practical Training Exercises
3. Learning the application fields of elemental technologies, such as motor control, lighting, robotics, and renewable energy, and understanding of the workplaces and roles of electric and electronic engineers.	19. Introduction to Control Theory 20. Step Response Method and Model Matching Method 21. Introduction to Control Block Diagram Simulation 22. Control System Design Using Bode Diagrams 23. Equipment for Motion Control Experiments 24. Practical Control System Design 25. Experiments in Motion Control	Lectures Site Visits Practical Training Exercises



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	<p>26. Introduction to VFC (Inverters)</p> <p>27. Practical Training on Inverters</p> <p>28. Energy Saving with VFC (Inverters)</p> <p>29. Heat Process Control</p> <p>30. Basics of Lighting and Practical Exercises</p> <p>31. Exercises in Lighting Design</p> <p>32. Overview of Electricity and Energy in Japan</p> <p>33. Basics of Photovoltaic Power Generation</p> <p>34. Basics of Power Grid Interconnection</p> <p>35. Examples of Productivity Improvement Using DX</p> <p>36. Site Visit to a Power Plant</p> <p>37. Exhibition Overview</p> <p>38. Visit to the Exhibition "Factory Innovation Week"</p> <p>39. Site Visit to a Robot factory</p> <p>40. Site Visit to an Automobile factory</p> <p>41. Site Visit to a Next-Generation Energy Park</p>	
<p>4. Preparation of improvement plan of education to solve the issues within your organization in order to propose the plan to the organization</p>	<p>42. Problem-Solving Using the IAS</p> <p>43. Job Report and IAS Review, Hearing and Guidance</p> <p>44. Job Report Presentation</p> <p>45. Lecture on Action plan Development</p> <p>46. Guidance for Action Plan Report</p> <p>47. Action Plan presentation</p>	<p>Lectures</p> <p>Discussions</p> <p>Presentations</p>

## Tentative schedule

\* Schedule may be subject to change.

Day		9:30-12:30	13:30-16:30	Remarks
		Subject	Subject	
10-Aug	Mon		Problem Solving Using IAS/ Task Extraction Based on IAS (Online)	
12-Aug	Wed	Problem Solving Using IAS/ Task Extraction Based on IAS (Online)		*Buffer day
19-Aug	Wed	Arrival at JICA Kyushu		
20-Aug	Thu	Briefing	Program Orientation	
21-Aug	Fri	General Orientation	General Orientation	
22-Aug	Sat			Holiday
23-Aug	Sun			Holiday
24-Aug	Mon	Course Orientation	IAS/JR Hearing and Guidance	
25-Aug	Tue	IAS/JR Hearing and Guidance	Preparation for Simulation	
26-Aug	Wed	Coaching Management	Japan's Industrial and Technical Education and Vocational Training System	
27-Aug	Thu	Introduction to Analog Circuit Simulation	Exercise in AC Circuit Theory	
28-Aug	Fri	Job Report Presentation	Visit to Robot Factory : YASKAWA ELECTRIC CORPORATION	
29-Aug	Sat			Holiday
30-Aug	Sun			Holiday
31-Aug	Mon	Exercises in Electronic Circuits	Exercises in Electronic Circuits	
1-Sep	Tue	Exercises in Electronic Circuits	Exercises in Electronic Circuits	
2-Sep	Wed	Visit to Automobile Factory : TOYOTA MOTOR KYUSHU, INC.	Introduction to Logic Circuit Simulation	
			Interaction with Participants from the Previous Year	
3-Sep	Thu	Exercises in Logic Circuits	Exercises in Logic Circuits	
4-Sep	Fri	Exercises in Logic Circuits	Exercises in Logic Circuits	
5-Sep	Sat			Holiday
6-Sep	Sun			Holiday
7-Sep	Mon	Exercises in PLC Programming	Exercises in PLC Programming	
8-Sep	Tue	Exercises in PLC Programming	Exercises in PLC Programming	
9-Sep	Wed	Exercises in PLC Programming	Exercises in PLC Programming	
10-Sep	Thu	Travel to Tokyo	Visit to the National Museum of Emerging Science and Innovation	Tokyo
11-Sep	Fri	Visit to the Exhibition "Factory Innovation Week"	Visit to the Exhibition "Factory Innovation Week"	Tokyo
12-Sep	Sat			Holiday
13-Sep	Sun	Travel to Osaka		
14-Sep	Mon	Basics of Lighting and Exercises	Basics of Lighting and Exercises	Osaka



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Day		9:30-12:30	13:30-16:30	Remarks
		Subject	Subject	
15-Sep	Tue	Exercise in Lighting Design	Visit to Den Den Town	Osaka
16-Sep	Wed	Visit to a PLC Control System Factory	Travel to Kitakyushu	
17-Sep	Thu	Exercises in Power Electronics Simulation	Exercises in Power Electronics Simulation	
18-Sep	Fri	Lecture on Action plan	(Holiday)	
19-Sep	Sat	Exercise on Built-in Microcomputer 1	Exercise on Built-in Microcomputer 1	
20-Sep	Sun	Exercise on Built-in Microcomputer 2	Exercise on Built-in Microcomputer 2	
21-Sep	Mon			Holiday
22-Sep	Tue			Holiday
23-Sep	Wed			Holiday
24-Sep	Thu	Current Situation of Education in Japan	Project Management	
25-Sep	Fri	Visit to Technical High School	Visit to Power Plant : Kyushu Co-operative Power Company	
26-Sep	Sat			Holiday
27-Sep	Sun			Holiday
28-Sep	Mon	Electrical Laws and Regulations	Visit to Polytechnic College	
29-Sep	Tue	Introduction to Control Theory	Introduction to Control Block Diagram Simulation	
30-Sep	Wed	Control System Design with Bode Diagram 1	Step Response Method and Model Matching Method	
1-Oct	Thu	Equipment for Motion Control Experiment	Control System Design with Bode Diagram 2	
2-Oct	Fri	Control system design for Practice	Experiment on Motion Control	
3-Oct	Sat			Holiday
4-Oct	Sun			Holiday
5-Oct	Mon	Heat Process Control	Heat Process Control	
6-Oct	Tue	Introduction to VFC (Inverter)	Introduction to VFC (Inverter)	
7-Oct	Wed	Practice with Inverters	Introduction to Industry-academia Collaboration	
8-Oct	Thu	Energy Saving with VFC (Inverter)	Examples of Productivity Improvement using DX	
9-Oct	Fri	Guidance on Action Plan	Guidance on Action Plan	
10-Oct	Sat			Holiday
11-Oct	Sun			Holiday
12-Oct	Mon	Basics of Photovoltaic Generation	Basics of Power Grid Interconnection	
13-Oct	Tue	Overview of Electricity and Energy in Japan	Visit to the Next Generation Energy Park	
14-Oct	Wed	Action Plan Presentation	Evaluation Meeting	
15-Oct	Thu	Departure from Japan		



## Management Members

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### Instructors (more to be confirmed)

Course Leader

**Mr. KOGA Yoshihiro**

Kitakyushu International Techno-cooperative Association (KITA)

He spent many years at a steel manufacturer, working in plant engineering, equipment management, and corporate management.

After retirement, he joined KITA as a Course Leader in electrical and

electronic engineering, renewable energy, and productivity improvement.

Message: I am excited to learn together with you and looks forward to your visit to Japan.

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### Coordinator

**Ms. YANASE Mikiko**

Training Coordinator of KCCP

She has extensive experience coordinating the Knowledge Co-Creation

Program (KCCP) and has served as a Training Coordinator for many courses

in the fields of education, vocational training, and the renewable energy sector.

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### Program Officer

**Ms. KATO Mieko**

Japan International Cooperation Agency (JICA)

Kyushu Center

Message: Hello, everyone!

Are you facing challenges in teaching students or supporting their transition to employment? This course will help you strengthen your knowledge and practical skills through lectures and hands-on training, while exploring how you can play a leading role in bridging the gap between education and industry.

Join us to learn with expert instructors and peers, gain fresh perspectives, and take practical ideas back to your daily work.

I look forward to meeting you in Japan.

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# Eligibility and Procedures

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## 1. Expectations to the Applying Organizations

- (1) This course is designed primarily for organizations that intend to address specific issues or problems identified in their operation. Applying organizations are expected to use the program for those specific purposes.
- (2) This course is enriched with contents and facilitation schemes specially developed in collaboration with relevant prominent organizations in Japan. These special features enable the course to meet specific requirements of Applying organizations and effectively facilitate them toward solutions for the issues and problems.
- (3) As this course is designed to facilitate organizations to come up with concrete solutions for their issues, Applying organizations are expected to make sure preparation before dispatching their participants to Japan.
- (4) Participating organizations are also expected to make the best use of the results achieved by their participants in Japan.

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## 2. Nominee Qualifications

Applying organizations are expected to select nominees who meet the following qualifications.

**【Remarks】**

**Gender:** Each Organizations is requested to strongly encourage female candidates to apply for the course to accelerate the realization of Gender equality and women's empowerment.

**Disabilities:** Persons with disabilities who meet the required qualifications also have an opportunity to apply. Reasonable accommodations will be considered for participants with disabilities. Some programs of the course might have difficulty for persons with disabilities to participate due to environmental and other conditions. "Reasonable accommodation" means necessary and appropriate modification and adjustments not imposing a disproportionate or undue burden, where needed in a particular case.



## (1) Essential Qualifications

- 1) Current Duties: Instructors/Teachers in University, Polytech College and Diploma courses of Vocational and Technical Education and Training Institutions in Electrical and Electronic Engineering.
- 2) Experience in the Relevant Field: With more than 2 years working experience in this relevant field.
- 3) Educational Background: Be a university graduate or have the equivalent academic background
- 4) Language Proficiency: Have a competent command of spoken and written English proficiency equivalent to TOEFL iBT 100 or above (This program includes active participation in discussions, which requires high competence in English. Please attach an official certificate for English ability such as TOEFL, TOEIC etc, if possible)
- 5) Technical Requirements :
  - Online course is delivered using the following services, Web Conferences (Zoom), Cloud Storage (Google Drive), Message App. (WhatsApp) , and YouTube.
  - Internet Connection
- 6) Health: must be in good health to participate in the program in Japan. Participant's health and safety should be most respected. Pre-existing conditions and pregnancy may lead to health problems that were not present prior to arriving in Japan due to stress from international travel, changes in climate, and a new living environment. In recent years, regrettable cases have occurred, including the exacerbation of symptoms after arrival and, in the case of pregnancy, stillbirth. Some participants have also incurred substantial out of pocket medical costs. If any of the conditions below may apply, please take a moment to consider whether to participate, and continue after confirming your agreement to the points below.
  - ① Questionnaire (“QUESTIONNAIRE ON MEDICAL STATUS AND RESTRICTION”)  
If any of the following apply, you must state them accurately in the questionnaire, even if they do not affect your current work or daily life.
    - a. Chronic diseases (e.g., hypertension, diabetes)
    - b. Conditions currently under treatment
    - c. Past illnesses that have resolved (including serious conditions affecting the



heart, liver, or brain; tuberculosis, etc.)

d. Pregnancy (for female applicants)

② Medical certificate

Please submit a medical certificate issued by a doctor that your condition is stable and that, from a medical standpoint, there is no problem with your participation in KCCP in Japan, in the following cases:

a. Chronic diseases (e.g., hypertension, diabetes)

b. Conditions currently under treatment

c. Past illnesses that have resolved (including serious conditions affecting the heart, liver, or brain; tuberculosis, etc.)

③ Reporting changes

If pregnancy or any health issues are identified after submitting the form, please report them to JICA promptly.

④ Insurance coverage

Medical and additional living expenses related to pregnancy and pre-existing conditions are NOT covered by insurance arranged by JICA. Such costs must be borne entirely by the participant; JICA assumes no liability.

\* Please understand that insurance coverage applies only to sudden illness or injury occurring during your stay in Japan.

\* Medical expenses in Japan could be a significant financial burden when not covered by insurance.

## (2) Recommended Qualifications

1) Age: between the ages of twenty-five (25) and forty-five (45) years

2) Gender Equality and Women's Empowerment: JICA seeks more female applicants due to the past records of fewer applications from women. JICA is committed to promoting Gender equality and women's empowerment, and provides equal opportunities for all applicants regardless of their sexual orientation or gender identity.



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### 3. Required Documents for Application

- (1) **Application Form:** The Application Form is available at **the JICA overseas office (or the Embassy of Japan)**
  - \* If you have any difficulties/disabilities which require assistance, please specify necessary assistances in the QUESTIONNAIRE ON MEDICAL STATUS RESTRICTION (1-(c)) of the application form. Information will be reviewed and used for reasonable accommodation.
- (2) **Photocopy of Passport:** You should submit it with the application form if you possess your passport which you will carry when entering Japan for this program. If not, you are requested to submit a photocopy of your ID document for ID purposes. Then submit the passport's photocopy as soon as you obtain a new one.
  - \*The following information should be included in the photocopy:  
Name, Date of Birth, Nationality, Sex, Passport Number and Expiry Date
  - \*It is recommended that your passport be valid for more than 6 months after the last day of the program.
- (3) **English Score Sheet:** to be submitted with the application form, if the nominees have any official English examination scores. (e.g., TOEFL, TOEIC, IELTS)
- (4) **JOB Report & Questionnaire and Issue Analysis Sheet (IAS) :** to be submitted with the application form for screening of applicants. The documents should be completed in accordance with descriptions of Annex-1(Job Report & Questionnaire) and Annex-2 & 3(IAS/IAS Guidelines).

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### 4. Procedures for Application and Selection

#### (1) Submission of the Application Documents

Closing date for applications: **Please confirm the local deadline with the JICA overseas office (or the Embassy of Japan).**

**\*Please note that documents submitted after the deadline will not be accepted.**

**\* All required material must arrive at JICA Center in Japan by June 17, 2026.**



## (2) Selection

Primary screening is conducted at the JICA overseas office (or the Embassy of Japan) after receiving official documents from your government. JICA Center in Japan will consult with concerned organizations in Japan in the process of final selection. Applying organizations with the best intentions to utilize the opportunity will be highly valued.

The Government of Japan will examine applicants who belong to the military or other military-related organizations and/or who are enlisted in the military, taking into consideration of their duties, positions in the organization and other relevant information in a comprehensive manner to be consistent with the Development Cooperation Charter of Japan.

## (3) Notice of Acceptance

The JICA overseas office (or the Embassy of Japan) will notify the results **not later than July 14, 2026**.

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## 5. Additional Document(s) to Be Submitted by Accepted Candidates

**PowerPoint presentation materials** for use in the job report presentation after arrival in Japan must be submitted **by August 17, 2026**.

After notification of acceptance, **only accepted candidates** will be sent a PowerPoint template.

(1) At the beginning of this course, each participant will have approximately 10 minutes for a job report presentation (excluding the Q&A session). Each participant is required to give an individual presentation, even if multiple participants belongs to the same organization.

\* PowerPoint presentation materials for this job report presentation will be finalized after receiving necessary instructions during Online sessions.

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## 6. Conditions for Participation

The participants of KCCP are required

- (1) to strictly observe the course schedule,
- (2) not to change the air ticket (and flight class and flight schedule arranged by



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- JICA) and lodging by the participants themselves,
- (3) to understand that leaving Japan during the course period (to return to home country, etc.) is not allowed (except for programs longer than one year),
  - (4) not to bring or invite any family members (except for programs longer than one year),
  - (5) to carry out such instructions and abide by such conditions as may be stipulated by both the nominating Government and the Japanese Government in respect of the course,
  - (6) to observe the rules and regulations of the program implementing partners to provide the program or establishments,
  - (7) not to engage in political activities, or any form of employment for profit,
  - (8) to discontinue the program, should the participants violate Japanese laws or JICA's regulations, or the participants commit illegal or any type of immoral conduct including, sexual harassment, or get critical illness or serious injury and be considered unable to continue the course. The participants shall be responsible for paying any cost for treatment of the said health conditions except for the medical care stipulated in (3) of "3.Expenses", "Administrative Arrangements",
  - (9) to return the total amount or a part of the expenditure for the KCCP depending on the severity of such violation, should the participants violate the laws and ordinances,
  - (10) not to drive a car or motorbike, regardless of an international driving license possessed,
  - (11) to observe the rules and regulations at the place of the participants' accommodation, and
  - (12) to refund allowances or other benefits paid by JICA in the case of a change in schedule.
  - (13) to promptly notify JICA in the case that there are any changes in the health status since the time of application (such as changes requiring medical attention due to illness or discovery of pregnancy.)



# Administrative Arrangements

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## 1. Organizer (JICA Center in Japan)

- (1) **Center:** JICA Kyushu Center (JICA KYUSHU)
  - (2) **Program Officer:** Ms. KATO Mieko, Training program Division (email: [kicctp@jica.go.jp](mailto:kicctp@jica.go.jp) )
  - (3) **URL:** Introduction of JICA Kyushu: [Introduction of JICA Kyushu - YouTube](#)
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## 2. Implementing Partner

- (1) **Name:** Kitakyushu International Techno-cooperative Association (KITA)
  - (2) **URL:** <http://www.kita.or.jp/english/>
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## 3. Travel to Japan

- (1) **Air Ticket:** In principle, JICA will arrange an economy-class round-trip ticket between an international airport designated by JICA and Japan.
  - (2) **Travel Insurance:** Insurance coverage is from time of arrival in Japan until departure from Japan. Therefore, travel time outside Japan (including damaged baggage during the flight to Japan) will not be covered.
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## 4. Accommodation in Japan

JICA will arrange the following accommodations for the participants in Japan:

**JICA Kyushu Center (JICA KYUSHU)**

**Address:** 2-2-1 Hirano, Yahatahigashi-ku, Kitakyushu-shi, Fukuoka 805-8505, Japan

**TEL:** +81-93-671-6311      **FAX:** +81-93-671-0979

(where “81” is the country code for Japan, and “93” is the local area code)

<https://youtu.be/-CHCnQrHv5w?si=CGWIR1ln9XZAxM4r>

\*During the study tour period, accommodation may be arranged at other JICA centers or hotels.

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## 5. Expenses

The following expenses in Japan will be provided by JICA

- (1) Allowances for meals, living expenses, and stopover.
- (2) Expenses for study tours (basically in the form of train tickets).
- (3) Medical care for participants who become ill after arriving in Japan (the costs related to pre-existing illness, pregnancy, or dental treatment **are not included**).
- (4) Expenses for program implementation, including materials.
- (5) For more details, please see “III. ALLOWANCES” of “KENSU-IN GUIDE BOOK,” (English/French/Spanish/Russian).
- (6) \*Link to JICA HP

[https://www.jica.go.jp/english/activities/schemes/tech\\_pro/acceptance\\_training/forparticipants.html](https://www.jica.go.jp/english/activities/schemes/tech_pro/acceptance_training/forparticipants.html) or  
<https://jica-van-cms.jica.go.jp/custom/kccp/kccp01.html>

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## 6. Pre-departure Orientation

A pre-departure orientation will be held at respective country’s JICA office (or the Japanese Embassy), to provide Participants with details on travel to Japan, conditions of the course, and other matters.

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## 7. Information

YouTube of “Knowledge Co-Creation Program and Life in Japan” and “Introduction of JICA Center” are viewable from the link below.

Part I: Knowledge Co-Creation Program and Life in Japan	
English ver.	<a href="https://www.youtube.com/watch?v=SLurfKugrEw">https://www.youtube.com/watch?v=SLurfKugrEw</a>
French ver.	<a href="https://www.youtube.com/watch?v=v2yU9lSYcTY">https://www.youtube.com/watch?v=v2yU9lSYcTY</a>
Spanish ver.	<a href="https://www.youtube.com/watch?v=m7l-WlQSDjl">https://www.youtube.com/watch?v=m7l-WlQSDjl</a>
Russian ver.	<a href="https://www.youtube.com/watch?v=P7_ujz37AQc">https://www.youtube.com/watch?v=P7_ujz37AQc</a>
Arabic ver.	<a href="https://www.youtube.com/watch?v=1iBQgdpXQb4">https://www.youtube.com/watch?v=1iBQgdpXQb4</a>
Part II: Introduction of JICA Centers in Japan	
JICA Tokyo	<a href="https://www.jica.go.jp/tokyo/english/office/index.html">https://www.jica.go.jp/tokyo/english/office/index.html</a>
JICA Kyushu	<a href="https://www.jica.go.jp/kyushu/english/office/index.html">https://www.jica.go.jp/kyushu/english/office/index.html</a>

\*If the link of these youtube URLs has expired, please access the URL below and search the necessary information from the key word.

<https://www.youtube.com/user/JICAChannel02>



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## 8. Reference

### KENSHU-IN GUIDE BOOK

For more detailed terms and conditions

[JICA Knowledge Co-Creation Program\(KCCP\) | 研修事業 \(KCCP\) |](#)

### Video: JICA Predeparture Briefing

For more information on life in Japan and KCCP [JICA Knowledge Co-Creation Program\(KCCP\) | 研修事業 \(KCCP\) |](#)

### Website: JICA

English/French/Spanish

[https://www.jica.go.jp/english/our\\_work/types\\_of\\_assistance/tech/acceptance/training/index.html](https://www.jica.go.jp/english/our_work/types_of_assistance/tech/acceptance/training/index.html)



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# Other Information

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## 1. Reports and Presentations

### (1) Job Report & Issue Analysis Sheet (IAS)

Each applicant is required to submit their own Job Report & Issue Analysis Sheet in accordance with the instructions. Participants will give a presentation of their Job Report & Issue Analysis Sheet for up to 10 minutes at an early stage of the course in order to share their knowledge and background with other participants and instructors.

After notification of acceptance, only accepted applicants will be provided with a PowerPoint template. Therefore, they are required to prepare visual materials such as PowerPoint slides and pictures that may be helpful for the presentation and submit them by **August 17, 2026**.

### (2) Action Plan

Participants are required to develop an Action Plan at the end of the course to describe their ideas and plans to be implemented after returning to their home countries, reflecting the knowledge and methods acquired during the course. Each participant will be given 10 minutes for the presentation.

In addition, participants are required to complete the IAS by the end of the course and present it at the Action Plan Presentation.

### (3) Laptop

Participants will use laptops on a daily basis during the course period, including practical sessions. Therefore, participants are required to bring a laptop that meets the following requirements.

(a) The OS must be windows 11 and 64bits system.

(b) At least 40 GB of free disk space on the C:\ drive for program installation.

(c) Random Access Memory (RAM) of 8 GB or more.

(d) The Laptop must be capable of installing training software (administrator privileges are required), as practical training software will be used in this course.

### (4) Teaching Guidelines

Participants are requested to bring their teaching guidelines, if they have.

### (5) Prior learning

Participants are requested to review "AC circuit theory" and "Bode diagrams" prior to the course.



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## 2. Certification

Participants who have successfully completed the course will be awarded a certificate by JICA.

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## 3. Remarks

JICA course is implemented for the purpose of developing human resources who will promote the advancement of their countries, and not for the enrichment of individuals or private companies. Information related to trade secrets and patented technologies shall remain confidential and will not be accessible during the course.

# Annex

1. Job Report & Questionnaire (Annex-1)
  2. Issue Analysis Sheet (Annex-2)
  3. Issue Analysis Sheet Guidelines (Annex-3)
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**Annex-1**

**DEVELOPMENT OF HUMAN RESOURCES ADAPTABLE TO  
INDUSTRY NEEDS IN ELECTRICAL AND ELECTRONIC  
ENGINEERING (FOR INSTRUCTORS/TEACHERS IN  
UNIVERSITY, POLYTECH COLLEGE AND DIPLOMA  
COURSES OF TVET INSTITUTIONS)  
(JFY 2026)**

***Job Report & Questionnaire***

Name:

Country:

Organization and present position:

E-mail:

**Remarks 1:** The Report should be typewritten in English (12-point font, A4-size paper). The total length of the report must be limited to three (3) pages, excluding the organization chart.

**Remarks 2:** Each participant is required to have a 10-minute presentation based on this Job Report and IAS at an early stage of the course. This presentation is intended to make the program more effective and fruitful by facilitating mutual understanding of the participants' situations and issues.

**Remarks 3:** Please itemize your answer and make them as specific as possible.

**1. Full description of your present job**

- (1) Name of organization to which you belong and main tasks of the organization
- (2) Organizational chart of your department/section, including the number of staff members, a description of its duties, and a mark where you are positioned.  
(The chart should be attached and not be counted in the page limit.)
- (3) Brief description of your assignments
- (4) Problems in your job

**2. Expectations for this course**

Please describe your purpose for participating in this course :

**3. Write if there is any particular theme you would like to learn.**



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#### 4. Questionnaire

(Please specify or provide information on the following topics.)

1. The population of the city where your organization/educational institute is located
2. 1) The total number of registered companies in the above-mentioned city, 2) the scale of such companies and 3) their main business areas
3. Regarding the educational system in your country (in particular compulsory education and engineering education), what are the common or possible educational pathways for students before finding a job in the field of electrical and electronic engineering?  
\*\* Example: common pathways in Japan:
  - High school → University
  - Junior high school → Technical college
  - High school → Vocational school or Polytechnic college
4. The criteria for students/trainees to enroll in the school (Do schools require a certain educational background or work experience prior to admission?)
5. Please specify whether there are any financial assistance programs or tuition waiver systems for students/trainees.
6. The main places of employment for students/trainees after graduation.
7. Please specify whether there are any internship programs that allow students/trainees to gain practical experience at companies.
8. The total number of teachers/instructors at your school, and their educational and professional backgrounds
9. The average number of hours per week that a teacher/instructor spends teaching lectures and /or practical sessions.
10. The most indispensable basic subject and practical training for students/trainees to obtain employment.
11. Please specify any subjects that particularly need improvement and the reasons for such improvement.



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12. Have you learned the following subjects through your work experience? Please check either “Yes” or “No” and indicate the number of years, if applicable.

	Item	Yes	No	Years
1	Control Theory			
2	Variable Frequency Control			
3	Programmable Controller			
4	Logic Circuit			
5	Simulation Software (Simulink, Logisim, LTspice, GX Works)			
6	Excel			
7	<p>(Other Question)</p> <p>Could you bring a laptop that meets the requirements listed on page 23 of the General Information?</p> <hr/> <p>(a) OS must be windows 11 and 64bits system.</p> <p>(b) At least 40GB of free disk space on the C:\ drive for program installation.</p> <p>(c) Random Access Memory (RAM) of 8 GB or more.</p> <p>(d) The Laptop must be capable of installing training software (administrator privileges are required), as practical training software will be used in this course.</p>			



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**Annex-2**

**Issue Analysis Sheet (IAS)**

Country: \_\_\_\_\_ Name: \_\_\_\_\_

Note: Please complete only columns [A] and [B]. Columns [I] and [II] should be completed after the online lectures, no later than the submission deadline (August 17).

No	<b>[A]* Issue that you confront</b>	<b>[B] Actions that you are taking now</b>
1		
	<b>[ I ] Task to solve the issue</b>	<b>[ II ] Information to be collected</b>

No	<b>[A]* Issue that you confront.</b>	<b>[B] Actions that you are taking now</b>
2		
	<b>[ I ] Task to solve the issue</b>	<b>[ II ] Information to be collected</b>

**\*You are required to describe the issues in your Job Report as well. Among them, please list only the issues that you expect to resolve by utilizing the knowledge and information covered in this course in the column “A: Issues that you confront.”**

**\*Please describe the issues in bullet points.**

## Issue Analysis Sheet (IAS) Guidelines

### 1. What is IAS?

- (1) IAS is a tool used to logically organize the relationships between issues and the contents of the course.
- (2) IAS helps applicants to clarify the challenges to be addressed through each expected course module and to formulate solutions.
- (3) The sheet is utilized as a logical process management tool to develop improvement plans for the identified issues by completing it step by step from prior to the applicant's arrival until the end of the course.
- (4) In addition, it is used by the course leader and lecturers to understand the issues each participant is confronting and to provide technical advice, useful references, and solutions throughout the course.

### 2. How to fill out IAS?

- (1) Please describe the issues you confront in column **“A: Issues that you confront”**. You are also required to describe the challenges you face in the section in your Job Report. Among those challenges, please list in column A only the issues that you expect to solve by utilizing the knowledge and information provided in this course. Use separate rows for each issue, and add rows if necessary.
- (2) In column **“B: Actions that you are taking now”**, please describe the actions that you are currently taking to address the issues listed in column **“A”**. This information is essential for effective program implementation and for developing the Action Plan as an outcome of the course.
- (3) Columns **“I: Task to solve the issue”** and **“II: Information to be collected”** will be identified and completed in the online session titled **“Task Extraction Based on IAS.”** Please complete columns **“I”** and **“II”** after the online lectures and no later than the submission deadline (August 17).



# For Your Reference

## JICA and Capacity Development

Technical cooperation is people-to-people cooperation that supports partner countries in enhancing their comprehensive capacities to address development challenges by their own efforts. Instead of applying Japanese technology per se to partner countries, JICA's technical cooperation provides solutions that best fit their needs by working with people living there. In the process, consideration is given to factors such as their regional characteristics, historical background, and languages. JICA does not limit its technical cooperation to human resources development; it offers multi-tiered assistance that also involves organizational strengthening, policy formulation, and institution building.

Implementation methods of JICA's technical cooperation can be divided into two approaches. One is overseas cooperation by dispatching experts and volunteers in various development sectors to partner countries; the other is domestic cooperation by inviting participants from developing countries to Japan. The latter method is the Knowledge Co-Creation Program, formerly called Training Program, and it is one of the core programs carried out in Japan. By inviting officials from partner countries and with cooperation from domestic partners, the Knowledge Co-Creation Program provides technical knowledge and practical solutions for development issues in participating countries.

The Knowledge Co-Creation Program (Group & Region Focus) has long occupied an important place in JICA operations. About 400 pre-organized courses cover a wide range of professional fields, ranging from education, health, infrastructure, energy, trade and finance, to agriculture, rural development, gender mainstreaming, and environmental protection. A variety of programs is being customized by the different target organizations to address the specific needs, such as policy-making organizations, service provision organizations, as well as research and academic institutions. Some programs are organized to target a certain group of countries with similar developmental challenges.

## Japanese Development Experience

Japan, as the first non-Western nation to become a developed country, built itself into a country that is free, peaceful, prosperous and democratic while preserving its tradition. Japan will serve as one of the best examples for our partner countries to follow in their own development.

From engineering technology to production management methods, most of the know-how that has enabled Japan to become what it is today has emanated from a process of adoption and adaptation, of course, has been accompanied by countless failures and errors behind the success stories.

Through Japan's progressive adaptation and application of systems, methods and technologies from the West in a way that is suited to its own circumstances, Japan has developed a storehouse of knowledge not found elsewhere from unique systems of organization, administration and personnel management to such social systems as the livelihood improvement approach and governmental organization. It is not easy to apply such experiences to other countries where the circumstances differ, but the experiences can provide ideas and clues useful when devising measures to solve problems.

JICA, therefore, would like to invite as many leaders of partner countries as possible to come and visit us, to mingle with the Japanese people, and witness the advantages as well as the disadvantages of Japanese systems, so that integration of their findings might help them reach their developmental objectives.



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This information pertains to one of the JICA Knowledge Co-Creation Programs (Group & Region Focus) of the Japan International Cooperation Agency (JICA) implemented as part of the Official Development Assistance of the Government of Japan based on bilateral agreement between both Governments.



## **Correspondence**

For enquiries and further information, please contact the JICA office or Embassy of Japan.

**Further, address correspondence to:**

### **JICA Kyushu Center (JICA Kyushu)**

Address: 2-2-1, Hirano, Yahata Higashi-ku, Kitakyushu-shi, Fukuoka 805-8505, Japan

TEL: +81-93-671-6311      FAX: +81-93-671-0979

("81" is the country code for Japan, and "93" is the local area code)