【Online】
Knowledge Co-Creation Program
(Group & Region Focus)

GENERAL INFORMATION ON

**Promoting Digital Transformation for Solving Social Challenges
- The Challenges toward Japanese Society 5.0 -**

**課題別研修「社会課題解決のためのデジタルトランスフォーメーションの
推進 -日本の Society5.0 に向けたチャレンジ-」**

JFY 2022

NO. 202107713-J001

Online Program Period:

From December 5, 2022 to December 15, 2022

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

‘JICA Knowledge Co-Creation Program (KCCP)’ as a New Start

In the Development Cooperation Charter which was released from the Japanese Cabinet on February 2015, it is clearly pointed out 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 center of mutual learning process.

I. Concept

Background

More than fifty percent of the world population has access to the internet in the present-day, while seventy percent of the impoverished possess cellular telephones or smart phones. In such a world, we are obliged to take maximum advantage of this rapidly advancing technological innovation to aim the world's inclusive prosperity.

For this purpose, the Japanese Government proposes the realization of "Super Smart Society" or "Society 5.0"* as a "human-centered society" that balances economic advancement with the resolution of social problems by a system that highly integrates cyberspace and physical space," that brings abundance to everyone.

For what?

This KCCP aims to provide hints and clues to participants to resolve the social issues of their countries through utilization of digital technologies by understanding the concepts of "Society 5.0" and learning Japan's latest activities.

For whom?

This program targets the executives in government organizations and related agencies such as higher education institutions who supervise Digital Economy and Information and Communications Technologies.

How?

This KCCP provides participants with the knowledge of Japan's initiatives of Digital Transformation and Innovation using the latest digital technologies and elemental technologies including the topics listed below through lectures and discussions.

- Digital Transformation
- Internet of Things (IoT)
- Big Data Analysis
- Cyber Security

- Digital Government
- Smart City
- Home / Remote Medical Care
- UAV / Robotics

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*Society 5.0 is a notion proposed by the Japanese Government that follows Society 1.0 (Hunter-gatherer Society), Society 2.0 (Agrarian Society), Society 3.0 (Industrial Society) and Society 4.0 (Information Society).

II. Description

1. **Title (No.) :**
    Promoting Digital Transformation for Solving Social Challenges
    -The Challenges toward Japanese Society 5.0- (202107713-J001)

2. **Course Duration:**
    :From December 5, 2022 to December 15, 2022

Core time is shown as follow (winter time)

JST		15:00	16:00	17:00	18:00	18:30
Japan		15:00	16:00	17:00	18:00	18:30
INDONESIA	−2	13:00	14:00	15:00	16:00	16:30
VIET NAM	−2	13:00	14:00	15:00	16:00	16:30
TURKMENISTAN	−4	11:00	12:00	13:00	14:00	14:30
IRAQ	−6	9:00	10:00	11:00	12:00	12:30
TURKEY	−6	9:00	10:00	11:00	12:00	12:30
JORDAN	−7	8:00	9:00	10:00	11:00	11:30
ANGOLA	−8	7:00	8:00	9:00	10:00	10:30
BENIN	−8	7:00	8:00	9:00	10:00	10:30
NIGERIA	−8	7:00	8:00	9:00	10:00	10:30
COTE D'IVOIRE	−9	6:00	7:00	8:00	9:00	9:30
BRAZIL	−12	3:00	4:00	5:00	6:00	6:30
DOMINICAN REPUBLIC	−13	2:00	3:00	4:00	5:00	5:30
GRENADA	−13	2:00	3:00	4:00	5:00	5:30
SAINT LUCIA	−13	2:00	3:00	4:00	5:00	5:30
CUBA	−14	1:00	2:00	3:00	4:00	4:30
PERU	−14	1:00	2:00	3:00	4:00	4:30
EL SALVADOR	−15	0:00	1:00	2:00	3:00	3:30

<Important Note>
In the context of the COVID-19 pandemic, please note that there is a possibility the course duration may be, changed, shortened, or the course itself cancelled. If so, we will consider other options to secure opportunity of learning.

3. **Target Regions or Countries:**
    Angola, Benin, Brazil, Cuba, Dominican Republic, El Salvador, Grenada, Indonesia, Iraq, Ivory Coast, Jordan, Nigeria, Peru, Saint Lucia, Turkey, Turkmenistan, Viet Nam

4. **Eligible / Target Organizations:**
    This program is designed for governmental agencies engaged in digitalization.
    (Digital economy-promoting ministries, Ministry of Information and Communications, etc.)

5. **Course Capacity (Upper limit of Participants) :**
    17 participants

6. **Language to be used in this program:**
    English

7. **Objective:**
    To consider solutions for social issues utilizing digital technologies to tackle development

issues in respective countries.

8. Output and Contents:

1) To share the status of digital transformation in each country and identify the issues to be solved
2) To deepen understanding on relevant public policies and cases of digital transformation in Japan
3) To consider the applicable knowledge and technique for solving issues of participating countries' digital transformation

9. Program Structure

This Program consists of the following components;

Preparatory Phase in Participants' Home Countries:

After the Acceptance Notification, accepted participants shall read designated documents and prepare Country Reports (detailed information is provided at the time of notice of acceptance).

Details
➢ Preparation of Country Report ➢ Reading Pre-study materials listed below; https://www8.cao.go.jp/cstp/english/society5_0/index.html (Japanese Government's Initiatives on Society 5.0) https://www.keidanren.or.jp/en/policy/2018/095.html (Japan Business Federation's report on Society 5.0)

Core Phase :

*Participants take part in the Core Phase of the Knowledge Co-Creation Program that consist of the following modules with expected outputs stated above in **8. Expected Module Outputs**.*

Module 1: **Exchanging Opinions on the progress of Digital Transformation**

Purpose	Details
Share the status of digital transformation in each country and identify the issues to be solved	➢ Country Report Presentation ➢ Discussion on solving the social issues by utilizing ICT technologies

Module 2: **Cases of Digital Transformation Initiatives in Japan Implemented by Government, Academics and Private sectors**

Purpose	Details
Deepen understanding on relevant public policies and cases of digitization, digitalization, and digital transformation in Japan	➢ Lectures on digital transformation initiatives by national and local governments, academic and private sectors

Module 3: **Applicable Knowledge and Techniques**

Purpose	Details
Discuss the applicable knowledge and techniques to tackle the issues that are identified and prioritized through the KCCP and present the result	➢ Discussion on the findings derived from the Lectures and Observations

*****Note:** These contents are subject to change.

10. Tentative Schedule   *Note:* These contents are subject to change.

From December 5, 2022 to December 15, 2022

Date	Content	Module	Responsible Organization
Dec 5 (Mon)	Briefing, Program Orientation		JTEC/JICA
	Country Report Presentation Part 1	1	JTEC/JICA
Dec 6 (Tue)	Country Report Presentation Part 2	1	JTEC/JICA
Dec 7 (Wed)	Lecture 1: Japanese Government's Approaches to Digital Transformation, "Society5.0"	2	Ministry of Internal Affairs and Communications
	Lecture 2: Cyber Security	2	Trend Micro Incorporated
	Group Discussion	1	JTEC
Dec 8 (Thur)	Lecture 3: Initiatives of Takamatsu City	2	Takamatsu Municipal Government
	Lecture 4: Initiatives of Smart Island Project (Medical Care)	2	Kagawa University
	Group Discussion	1	JTEC
Dec 9 (Fri)	Lecture 5: Initiatives of Aizuwakamatsu City towards Society 5.0, "Smart city"	2	Aizuwakamatsu Municipal Government
	Lecture 6: Initiatives of University of Aizu towards Digital Garden City and Smart City	2	University of Aizu
	Group Discussion	1	JTEC
Dec 11 (Mon)	Hands-On Exercises	3	JTEC
	Group Discussion	1	JTEC
Dec 13 (Tues)	Lecture 7: TBD	2	TBD
	Lecture 8: Introduction of Case Studies of Advanced Technologies	2	JTEC
	Group Discussion	1	JTEC
Dec 14 (Wed)	Group Work, Preparation for Final Presentation	3	JTEC
Dec 15 (Thur)	Final Presentation	1	JTEC/JICA
	Closing Ceremony		JTEC/JICA

Ⅲ. Eligibility and Procedures

1. Expectations to the Applying Organizations:

(1) This Program 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 KCCP is enriched with contents and facilitation schemes specially developed in collaboration with relevant prominent organizations in Japan. These special features enable the KCCP to meet specific requirements of applying organizations and effectively facilitate them toward solutions for the issues and problems.

(3) As this KCCP is designed to facilitate organizations to come up with concrete solutions for their issues, participating organizations are expected to ensure enough time for the participants to carry out the activities of the Preparatory Phase described in section **II-9** on page 4.

2. Nominee Qualifications:

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

(1) Essential Qualifications

1) Current Duties: Executives at government agencies responsible for the digital economy and ICT development

2) Experience in the relevant field: More than 5 years of working experience in the field of digital economy and ICT development

3) Educational Background: be university graduates or equivalent, preferably in the field related to ICTs.

4) Language: be proficient in spoken and written English (Please attach an official certificate of English ability such as TOEFL, TOEIC etc., if possible)

5) Technical Requirements for the Online Program (Computer)

Technology Proficiency:

-Basic computer skills such as, sending/receiving email with attachments, and using a web browser.

-This course is delivered using the following services：JICA-VAN (Cornerstone)[1], Web Conferences (Zoom), and YouTube.

(Online tutorial and support by JICA will be limited. The ability to be self-directed in learning new technology skills are required.)

(2) Equipment and Internet Connection Requirement:

- **Regular access to a computer**, either from your home or from your office.
- Operating System: Windows or Mac OS (Updated version is preferred).
- High Speed Broadband Connection (at least 2Mbps).

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[1] JICA's Learning Management System. Login ID and password will be provided accordingly after acceptance notice.

- Browser: Google Chrome, Edge, Firefox, Safari can be used.
- Webcam Microphone, and Audio output Device (Speaker or Headset)

【Note】If it is not able to arrange appropriate Internet connection or necessary devices, please consult with JICA overseas office.

(3) Attendance Requirement:

Participation in all program is an essential requirement for the completion of the course.

(4) Gender Consideration

JICA is promoting gender equality. Women are encouraged to apply for the Program.

3. Required Documents for Application

(1) Application Form:

The Application Form is available at the **JICA overseas offices (or the Embassies of Japan).**

(2) Photocopy of passport or Official ID:

If you possess your passport, please submit its photocopy. If not, please submit any official ID you have.

(3) Questionnaire (Annex 1):

Each nominee is required to answer the Questionnaire indicated in the **Annex 1.**

(4) Nominee's English Score Sheet:

To be submitted with the application form. If the applicant has any official documentation of English ability. (e.g., TOEFL, TOEIC, IELTS)

4. Procedures for Application and Selection

(1) Submission of the Application Documents

Closing date for applications: Please inquire JICA overseas offices (or the Embassies of Japan).

（All required material must arrive at **JICA Tokyo Center in Japan** by **October 3 (Mon), 2022**）

(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 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 October 24 (Mon), 2022**.

5. Additional Document to Be Submitted by Accepted Candidates:

Country Report -- to be submitted **by November 14 (Mon), 2022**:

Accepted Participants are required to prepare a Country Report in MS Power Point or equivalent visual material (detailed information is provided at the time of notice of acceptance.), which will be presented at the beginning of the Program.

6. Conditions for Attendance:

The participants of KCCP are required

(1) To strictly observe the course schedule,

(2) Not to change the program topics,

(3) to observe the rules and regulations of the program implementing partners to provide the program or establishments,

(4) To participate in the whole program including program orientation,

(5) To respect copyright and portrait rights, and

(6) To refrain from recording and sharing the video material, audio material, text, images, graphics and other contents available during the program except for cases with specific permission.

IV. Administrative Arrangements

1. **Organizer (JICA Center in Japan)**
   (1) Center: JICA Tokyo Center (JICA TOKYO)
   (2) Program Officer: Mr. MIYAMOTO Ryo
                          Mr. TANAKA Keitaro (tictee@jica.go.jp)

2. **Implementing Partner**
   (1) Name: Japan Telecommunications Engineering and Consulting Service (JTEC)
   (2) URL: https://www.jtec.or.jp/english/

3. **Reference Information**

Part II: Introduction of JICA Centers in Japan	
JICA Tokyo	https://www.jica.go.jp/tokyo/english/office/index.html

V. ANNEX: For All Applicants

Annex 1

Questionnaire

Each nominee is requested to attach completed questionnaire as a preparatory report on the following information to the Application Form.
The completed Questionnaire will be used for screening of the nominees.

Contents of Questionnaire:

<Your information>

1. Brief description of your professional career, including years of experience and field(s) of expertise
2. Brief description of your institution (please attach an organization chart, if available)
3. Brief description of policy and/or program (project) you are responsible for
   (e.g. goals and objective, main activities and outputs, work plan, etc.)

< Challenges in your country>

1. Brief description of top priority issues in your country (city) and projects and efforts to solve them (regardless of ICT field)
2. Issues or challenges in utilization of ICTs or Digital Transformation to be solved in your country/city
3. Brief description of social issues in the COVID-19 and hypothesis of solutions utilizing ICT technology

(Note)

- ✓ The answer should be typewritten in English on A4 size paper (21 cm by 30 cm). The maximum length is 4 pages (35 lines per page in 12-point font with margins of at least 2.5 cm on all sides).
- ✓ The above contents need to be discussed from the viewpoint of applicant's and applying organization's responsibilities.
- ✓ Please be specific as much as possible with actual figures and data.

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 course 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.

CORRESPONDENCE

For enquiries and further information, please contact the JICA office or the Embassy of Japan. Further, address correspondence to:

JICA Tokyo Center (JICA TOKYO)
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TEL: +81-3-3485-7051   FAX: +81-3-3485-7904