

F.No.12040/28/2017-FTC/IR  
Government of India  
Ministry of Personnel, Public Grievances and Pensions  
Department of Personnel and Training  
[Training Division]  
\*\*\*\*\*

Block-4, Old JNU Campus, New Delhi-67

Dated: 04.09.2017

**TRAINING CIRCULAR**

Sub: Knowledge Co-Creation Program on “Industrial Technology Education” to be held in Japan from 12.10.2017 to 25.11.2017 under the Technical Cooperation Program of the Government of Japan (**Submission Deadline – 06.09.2017**).

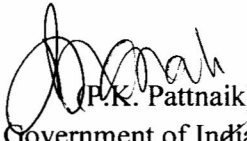
The undersigned is directed to state that the Japan International Cooperation Agency (JICA) has invited applications for Knowledge Co-Creation Program on “Industrial Technology Education” to be held in Japan from 12.10.2017 to 25.11.2017 under the Technical Cooperation Program of the Government of Japan.

2. The program aims to contribute to the development of human resources in the field of industrial technology education in developing countries by providing information on Japanese activities and systems for the promotion and enhancement of industrial technology education.
3. The applying organizations are expected to nominate officers who are engaged in the industrial technology education field minimum with more than 5 years of experience. The officer should be university graduate or equivalent; have competent command over spoken and written English; be in good health (both physically and mentally). The recommendable age of the applicant is 25 to 45 years. More details of the program may be seen in the brochure.
4. In addition, the following information in respect of the nominated officers may please be mentioned while furnishing the nomination:-
  - (a) Whether attended any foreign training program in the past? If so, the duration/details thereof;
  - (b) Whether cleared from vigilance angle;
  - (c) Age;
  - (d) Whether working in North East State/J&K;
  - (e) A brief in 50-100 words justifying the nomination.
5. The course covers the cost of a round-trip air ticket between international airport designated by JICA and Japan; travel insurance from the time of arrival in Japan to departure

from Japan; allowances for (accommodation, living expenses, outfit and shipping); expenses for JICA study tours and free medical care for participants who may fall ill after reaching Japan (costs relating to pre-existing illness, pregnancy, or dental treatment are not included).

6. It is, therefore, requested that the nomination of suitable candidates may please be forwarded (**in two copies**) to this Department in JICA's prescribed format duly authenticated by the HOD of the concerned Ministry/Department/State Government/UT in accordance with the eligibility criteria.

7. The applications should reach this Department through the Administrative Ministry/Department/State Government/UT not later than **06.09.2017**. Nominations received after the prescribed date may not be considered. An advance copy from the applying organization for nomination(s) and the application form(s) can be sent to the JICA India Office via courier or email at [bapalahema.id@jica.go.jp](mailto:bapalahema.id@jica.go.jp). The details of the program (General Information Brochure) and application form may be drawn from the website of DoPT at link <http://persmin.gov.in/otraining/index.aspx>.

  
(P.K. Pattnaik)

Under Secretary to the Government of India  
Tele: 26165682

Copy to:

- a) Secretary, Department of Higher Education, Udyog Bhawan, New Delhi.
- b) Chief Secretaries to State Governments/Union Territories with request to circulate the same amongst related Departments/Organizations under them.
- c) Senior Representative, JICA India Office, 2nd Floor, Dr. Gopal Das Bhawan, 28, Barakhamba Road, New Delhi -110001.
- d) NIC with request to post the circular along with the JICA's brochure and application format on this Department's website.



# Knowledge Co-Creation Program (Group & Region Focus)

GENERAL INFORMATION ON

INDUSTRIAL TECHNOLOGY EDUCATION

課題別研修「産業技術教育」

JFY 2017

NO. J17-04392 / ID. 1784363

Phase in Japan: From October 12, 2017 to November 25, 2017

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 (KCC) Program’ 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**

In Japan, industrial technology is indispensable for production of high quality goods. In comparison with developing countries, technology education at schools in Japan, where fundamental capabilities in manufacturing and production are fostered, is found to play an important role in developing human resources as well as the use of highly developed manufacturing and production equipment.

For the sake of promoting and developing industrial technology in developing countries, it is useful for the leaders of such countries to learn of the curriculum and methods of Japanese technology education and to utilize them in their own countries.

## **For what?**

This program aims to contribute to the development of human resources in the field of industrial technology education in developing countries by providing information on Japanese activities and systems for the promotion and enhancement of industrial technology education.

## **For whom?**

This program is offered to officials who are engaged in policy making for industrial technology education in the educational administration of central or local government.

## **How?**

Participants shall have opportunities to get an overview of technology education in Japan, to study the curriculum and methods in six areas (metalworking, wood working, machining, electricity, information and cultivation) of Japanese technology education and to experience Japanese industrial technology through lectures, observations and discussions. Participants will also formulate an action plan describing what they will do after going back to home countries, putting the knowledge and ideas acquired and discussed in Japan among others into their on-going activities.

## ***II. Description***

**1. Title (J-No.): Industrial Technology Education (J17-04392)**

**2. Course Period in JAPAN**

October 12 to November 25, 2017

**3. Target Regions or Countries**

Azerbaijan, India, Indonesia, Egypt, Ethiopia, Ghana, Kazakhstan, Cambodia, Kenya, Samoa, Georgia, Somalia, Turkey, Nigeria, Nauru, Bangladesh, Philippines, Laos, South Africa

**4. Eligible / Target Organization**

This program is designed for offices/divisions/departments in charge of policy making for industrial technology education in the educational administration of central or local government.

**5. Course Capacity (Upper limit of Participants)**

20 participants

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

**7. Course Objective:**

Participants formulate action plans with a focus on teacher training curriculum and textbooks for industrial technology education and the basic direction of their action plans is organized in their participating organizations.

Note: This program is **not** designed for acquisition of technical skills, and there is **no** hands-on technical training.

**8. Overall Goal**

The participating organizations formulate action plans regarding teacher training curriculum and textbooks for industrial technology education, and propose the plan to authority concerned.

## 9. Expected Module Output and Contents:

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

<b>(1) Preliminary Phase in a participant's home country</b> (September 11 to October 11, 2017) <i>Participating organizations make required preparation for the Program in the respective country.</i>	
Expected Module Output	Activities
<b>【Module1】</b> To clarify current domestic educational system, contents, methods, and the evaluation of these issues through discussion	Formulation and submission of Inception Report

<b>(2) Core Phase in Japan</b> (October 12 to November 25, 2017) <i>Participants dispatched by the organizations attend the Program implemented in Japan.</i>		
Expected Module Output	Subjects/Agendas	Methodology
<b>【Module2】</b> To explain current school education, industrial technology, industrial technology education, teacher training, and selection of teaching materials in Japan	(1) Education and Industrial Technology ➤ School Education ➤ Japanese Industry ➤ Science and Technology Society	Lecture
	(2) Industrial Technology Education ➤ Management of Teacher Training Institutions ➤ Technology Education ➤ Management of Industrial Education ➤ Teaching Materials ➤ Management of Industrial High School and Technical Junior College	Lecture Observation
	(3) Teacher Training and Teaching Materials ➤ Teacher Training System ➤ Selection of Teaching Materials ➤ Technology Education (Metalworking, Woodworking, Electricity, Machines, Cultivation, Information Technology)	Lecture

<p><b>【Module3】</b> To explain the linkage between education and economic development through the Japanese case.</p>	<p>Industrial Technology Society : Visits to various companies</p> <ul style="list-style-type: none"> <li>➤ Machinery Manufacturer</li> <li>➤ Electrical Machine Manufacturer</li> <li>➤ Electronics Manufacturer</li> <li>➤ Automobile Manufacturer</li> </ul>	<p>Observation</p>
<p><b>【Module4】</b> To make an action plan to improve teacher training curriculum and textbooks for industrial technology education</p>	<p>(1) Action Plan guidance (2) Presentation of Action Plan</p>	<p>Lecture Discussion Presentation</p>

<p><b>(3)Finalization Phase in a participant's home country</b> <i>Participating organizations produce final outputs by making use of results brought back by participants. This phase marks the end of the Program.</i></p>	
--	--

Expected Module Output	Activities
To implement an action plan	Application and implementation of the action plan back in the participant's country.

*\*Agendas are subject to be minor change.*

## <Structure of the program>

### Industrial Technology Education Training Program

Objective: The participating organizations formulate improvement plan regarding teacher training curriculum and textbooks for industrial technology education, and propose the plan to authority concerned.

#### [Contents]

##### 1. Orientation

Participants will fully understand the objectives and outline of training program to grasp the program structure clearly.

##### 2. Country Report Presentation

Participants will make a presentation about the current situations of industrial technology education in their respective countries. Discussions will be held among the participants and lecturers.

##### 3. Outline of Education and Industrial Technology

Participants will learn the current situations of school education in Japan and acquire the general knowledge about industrial technology society.

##### 4. Industrial Technology Education

- Industrial technology education
- Management of junior high school, technical high school, technical college, faculty of engineering of university
- Technology education in schools
- Educational materials

##### 5. Teacher Education

- Teacher training
- Woodworking
- Metalworking
- Electricity
- Machines
- Cultivation
- Information Technology

##### 6. Industrial Technology Society

- Machinery manufacturer
- Tool maker
- Electrical machine maker
- Electronics maker
- Automobile manufacturer

##### 7. Other Technologies

- Wooden architecture
- Modern architecture
- Traditional craft
- Health management
- Occupational Safety and Health Education
- Textbook of Industrial Education
- Education for Sustainable Development※ (Refer to the next page)

#### [Methodology]

##### (Lecture)

Current situations and problems will be discussed. Participants will acquire new knowledge and technology.

##### (Observation)

Participants will learn the case examples through the site visits to schools and companies.

##### (Discussion)

Participants and lecturers will discuss about an action plan for the development of industrial technology education.

##### Action Plan Presentation

Participants will formulate an action plan with the guidance of lecturers. The purpose is to clarify how to implement some projects in your position using the knowledge acquired in Japan.

#### [Output]

1. To explain current school education, industrial technology, industrial technology education, teacher training, and selection of teaching materials in Japan
2. To explain the linkage between education and economic development through the Japanese case
3. To make an action plan to improve their teacher training curriculum and textbooks for industrial technology education
4. To implement the interim report (action plan) in participating organization with sharing the knowledge and experiences acquired during the training

#### [Program Objective]

Participants formulate action plans with a focus on teacher training curriculum and textbooks for industrial education, and the basic direction of their action plans is organized in their participating organization.



## ✂️ What's Education for Sustainable Development (ESD).

(From P.6 "Structure of the program" "7. Other Technologies")

Education for Sustainable Development means including key sustainable development issues into teaching and learning; for example, climate change, disaster risk reduction, biodiversity, poverty reduction, and sustainable consumption. It also requires participatory teaching and learning methods that motivate and empower learners to change their behavior and take action for sustainable development. Education for Sustainable Development consequently promotes competencies like critical thinking, imagining future scenarios and making decisions in a collaborative way.

Education for Sustainable Development requires far-reaching changes in the way education is often practiced today.

[\(http://www.unesco.org/new/en/education/themes/leading-the-international-agenda/education-for-sustainable-development/\)](http://www.unesco.org/new/en/education/themes/leading-the-international-agenda/education-for-sustainable-development/)

**Reference: Photos of the past program**

(NOTE: Activities are subject to change in this year's program.)



Country and Job report presentation (Module1)



Basic of Technology Education (Module2)



Japanese Education System & History (Module2)



Workshop (Metalwork) (Module2)



Teaching Material & Facility (Module2)



Kindergarten & Elementary School (Module2)



Commemorative Museum of Industry & Technology (Module3)



Discussion among the participants

## Reference: Training Schedule in the past

\* Activities are subject to change in this year's program.

**This schedule is subject to change. L: Lecture/D: Discussion/P: Presentation/V: Visit/W: Workshop						
WK	Date	AM/PM	Module	Programs	Program Site	
0	15-Oct	Thu		Arrival at Chubu International Airport		
	16-Oct	Fri		Briefing / Program Orientation / JICA Orientation	JICA Chubu	
	17-Oct	Sat				
	18-Oct	Sun				
1	19-Oct	Mon	AM	-	Taking Chest X-ray	Designated clinic
			PM	-	Course Orientation / Chubu University Briefing	JICA Chubu
	20-Oct	Tue		2-2	L: Industrial Technology Education in Japan	
			AM	-	L: Japan's Effort for Earthquake Disaster Reconstruction	Kasugai Campus,
			PM	-	Opening Ceremony / Welcome Lunch	Chubu University
	21-Oct	Wed		2-2	L: Technology Education in Japan	Nagoya Campus, CU
			PM	3	L: Japanese Society and Industry	
	22-Oct	Thu	AM	2-3	L: Industrial Technology in Higher Education (Overview of College of Engineering)	Kasugai Campus, CU
			PM	2-2	L: Technology Ethics Education in Japan	
	23-Oct	Fri	AM	2-1	L: Universities in Japan (Special Speech by the President of Chubu University)	Kasugai Campus, CU
PM			4-1	D: Action Plan Making & Guidance (1) Preparation for Country Report Presentation	Nagoya Campus, CU	
24-Oct	Sat					
25-Oct	Sun					
2	26-Oct	Mon	AM/PM	1	P: Country Report Presentations	Kasugai Campus, CU
	27-Oct	Tue	AM	2-1	V: Haruhigaoka Junior High School	See left
			PM	2-1	V: Haruhigaoka Senior High School	
	28-Oct	Wed	AM	2-2	V: Suzuka National College of Technology	See left
			PM	3	V: DENSO E&TS Training Center Corp. (Training institute of autopart manufacturer)	
	29-Oct	Thu	AM	4-1	D: Action Plan Making & Guidance (2)	Nagoya Campus, CU
			PM	2-2	L: Industrial Education Policy in Japan	
	30-Oct	Fri	AM	2-1	L: Japanese Education System & History	Nagoya Campus, CU
PM			2-3	V: Aichi Steel Corporation	See left	
31-Oct	Sat	AM	2-1	V: Toyota Commemorative Museum of Industry & Technology	Toyota Commemorative	
		PM	2-2	W: Monozukuri Experience	Museum of Industry & Technology	
1-Nov	Sun					
3	2-Nov	Mon	AM	-	Move to Hiroshima by Shinkansen	See left
			PM	3	V: World Heritage Sites (Hiroshima Peace Memorial Museum)	
			Evening	2-2	L: Briefing on International Conference on Industrial Technology Education (ICITE)	
	3-Nov	Tue	AM	2-2	L & W: Actual Situation of Technology Education	JICA Chugoku
			PM		Move to Nara by Local Trains & Shinkansen	See left
	4-Nov	Wed	AM	2-1	L: Wooden Architecture Technology in Japan	Todayji/Kofukuji Temple
			PM	-	Return to Nagoya by Bus	See left
	5-Nov	Thu	AM	2-2	V: Kasugai Industrial High School	See left
			PM	2-1	V: UNESCO School	
	6-Nov	Fri	AM/PM	2-2	D: International Conference on Industrial Technology Education for Sustainable Development	Kasugai Campus, CU
7-Nov	Sat	AM/PM	2-2	D: International Conference on Industrial Technology Education for Sustainable Development	Kasugai Campus, CU	
8-Nov	Sun					

**This schedule is subject to change. L: Lecture/D: Discussion/P: Presentation/V: Visit/W: Workshop							
WK	Date	AM/PM	Module	Programs	Program Site		
4	9-Nov	Mon	AM	2-3	L: Industrial Technology in Higher Education (Department of Robotic Science & Technology, College of Engineering (CoE))	Kasugai Campus, CU	
			PM	2-3	L: Industrial Technology in Higher Education (Dept. of Civil Engineering, CoE)		
	10-Nov	Tue	AM	2-3	L: Industrial Technology in Higher Education (Dept. of Electronics & Information Engineering, CoE)	Kasugai Campus, CU	
			PM	2-3	L: Industrial Technology in Higher Education (College of Bioscience and Biotechnology)		
	11-Nov	Wed	AM	4-1	D: Action Plan Making & Guidance (3)	Nagoya Campus, CU	
			PM	2-3	L: Industrial Technology in Higher Education (Dept. of Computer Science, CoE)	Kasugai Campus, CU	
	12-Nov	Thu	AM	2-3	L: Industrial Technology in Higher Education (Dept. of Applied Chemistry, CoE)	Kasugai Campus, CU	
			PM	2-3	L: Industrial Technology in Higher Education (Dept. of Mechanical Engineering, CoE)		
	13-Nov	Fri	AM	2-3	L: Industrial Technology in Higher Education (Department of Architecture, CoE)	Kasugai Campus, CU	
			PM	2-3	L: Industrial Technology in Higher Education (Dept. of Electrical Engineering, CoE)		
	14-Nov	Sat					
	15-Nov	Sun					
	5	16-Nov	Mon	AM	3	V: Kawamura Electric Inc.	See left
				PM	3	V: Brother Communication Space (Exhibit hall of office appliance manufacturer)	
17-Nov		Tue	AM	2-3	L: Industrial Technology in Higher Education (College of Life and Health Science)	Kasugai Campus, CU	
			PM	4-1	D: Action Plan Making & Guidance (4)	Nagoya Campus, CU	
18-Nov		Wed	AM	-	Move to Tokyo by Shinkansen	See left	
			PM	2-3	V: Japan Textbook Research Center		
19-Nov		Thu	AM	2-3	V: Jikkyo Shuppan Co. Ltd. (Textbook publisher)	See left	
			PM	2-1	V: Tokyo Sky Tree		
20-Nov		Fri	AM	2-1	V: TEPIA Advanced Technology Exhibition Hall	See left	
			PM	2-3	V: Uchida Yoko Co., Ltd. (Educational Materials & Equipment manufacturer)		
21-Nov	Sat			Observation of Japanese Culture in Tokyo / Return to Nagoya by Shinkansen			
22-Nov	Sun						
6	23-Nov	Mon	AM	3	L: Labor and Mental Health	Nagoya Campus, CU	
			PM	2-1	L: School Education and Occupational Safety and Health		
	24-Nov	Tue	AM	3	V: Aishin Com-Center (Exhibit hall of autoparts manufacturer)	See left	
			PM	3	V: Toyota Motor Corporation (Automobile plant tour & Museum)		
	25-Nov	Wed	AM	2-2	L: Current Situation and Challenges of ESD Activity	Nagoya Campus, CU	
			PM	4-1	D: Action Plan Making & Guidance (5)		
	26-Nov	Thu	AM/PM	4-2	P: Action Plan Presentations	Kasugai Campus, CU	
	27-Nov	Fri	AM	-	Evaluation and Closing Ceremony	Kasugai Campus, CU	
			PM	-	Farewell Party		
	28-Nov	Sat			Leaving Japan from Chubu International Airport		
Module #		Expected Module Output & Subjects					
1	To clarify current domestic educational system, contents, methods and the evaluation of these issues through discussion						
2	To explain current school education industrial technology, industrial technology education, teacher training and selection of teaching materials in Japan						
2-1	Education and Industrial Technology						
2-2	Industrial Technology Education						
2-3	Teacher Training and Teaching Materials						
3	Industrial Technology Society: Visits to various companies To explain the linkage between education and economic development through the Japanese case						
4	To make an action plan to improve teacher training curriculum and textbooks for industrial technology education						
4-1	Action Plan Guidance						
4-2	Presentation of Action Plan						

### **III. Conditions and Procedures for Application**

#### **1. Expectations from the Participating Organizations:**

- (1) This program is designed primarily for organizations that intend to address specific issues or problems identified in their operation. Participating organizations are expected to use the project for those specific purposes.
- (2) This program is enriched with contents and facilitation schemes specially developed in collaboration with relevant prominent organizations in Japan. These special features enable the project to meet specific requirements of applying organizations and effectively facilitate them toward solutions for the issues and problems.

#### **2. Nominee Qualifications:**

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

##### **(1) Essential Qualifications**

- 1) Current Duties: personnel who engaged in the industrial technology education field
- 2) Experience in the relevant field: have more than 5 years' experience in the field of practical experience in field of Making Things
- 3) Educational Background: be a graduate of university or equivalent
- 4) Language: have a competent command of spoken and written English which is equal to TOEFL iBT 100(CBT 250) or more (This workshop includes active participation in discussions, action plan (interim report) development, thus requires high competence of English ability.
- 5) Health: must be in good health, both physically and mentally, to participate in the Program in Japan. Pregnant applicants are not recommended to apply due to the potential risk of health and life issues of mother and fetus.

##### **(2) Recommendable Qualifications**

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

#### **3. Required Documents for Application**

**(1) Application Form:** The Application Form is available at **the JICA office (or the Embassy of Japan)**.

**(2) Photocopy of passport:** to be submitted with the application form, if you possess your passport which you will carry when entering Japan for this program.

\*Photocopy should include the followings:

Name, Date of birth, Nationality, Sex, Passport number and Expire date.

**(3) Nominee's English Score Sheet:** to be submitted with the application form. If you have 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 to the JICA office (or the Embassy of Japan).**

(After receiving applications, the JICA office (or the Embassy of Japan) will send them to **the JICA Center in JAPAN** by **August 23, 2017**)

##### **(2) Selection:**

After receiving the documents through proper channels from your government, the JICA office (or the embassy of Japan) will conduct screenings, and then forward the documents to the JICA Center in Japan. Selection will be made by the JICA Center in consultation with concerned organizations in Japan. *The applying organization with the best intention to utilize the opportunity of this program will be highly valued in the selection.* Qualifications of applicants who belong to the military or other military-related organizations and/or who are enlisted in the military will be examined by the Government of Japan on a case-by-case basis, consistent with the Development Cooperation Charter of Japan, taking into consideration their duties, positions in the organization, and other relevant information in a comprehensive manner.

##### **(3) Notice of Acceptance**

Notification of results will be made by the JICA office (or the Embassy of Japan) **not later than September 11, 2017.**

#### **5. Document(s) to be submitted by accepted candidates:**

Before coming to Japan, only accepted candidates are required to prepare reports in order to share the current situation of your country. (detailed information is provided in the ANNEX 1-4.)

These reports should be sent directly to JICA Center in Japan by **October 2, 2017,** preferably by e-mail to [cbictp1@jica.go.jp](mailto:cbictp1@jica.go.jp)

Please refer to **VI. Annex1-4: Requirement for applicants.**

1. Country Report
2. Job Report
- 3 Inception Report

#### **6. Conditions for Attendance:**

- (1)** to strictly adhere to the program schedule.
- (2)** not to change the program topics.
- (3)** not to extend the period of stay in Japan.
- (4)** not to be accompanied by family members during the program.
- (5)** to return to home countries at the end of the program in accordance with the travel schedule designated by JICA.
- (6)** to refrain from engaging in any political activities, or any form of employment for

profit or gain.

- (7)** to observe Japanese laws and ordinances. If there is any violation of said laws and ordinances, participants may be required to return part or all of the training expenditure depending on the severity of said violation.
- (8)** to observe the rules and regulations of the accommodation and not to change the accommodation designated by JICA.

## IV. Administrative Arrangements

### 1. Organizer:

(1) **Name:** JICA Chubu

(2) **Contact:** Mr. ITO Hideki (mail to: [cbictp1@jica.go.jp](mailto:cbictp1@jica.go.jp))

※Please insert “training course number & the title” in the subject when emailing.

For instance, “J17-04392 & INDUSTRIAL TECHNOLOGY EDUCATION”

### 2. Implementing Partner:

(1) **Name:** CHUBU UNIVERSITY

(2) **Contact:** Dr. MIYAKAWA Hidetoshi, (Professor of CHUBU UNIVERSITY in charge of the training), Faculty of Contemporary Education

(3) **URL:** <http://www.chubu.ac.jp/english/>

**Remark:** In line with the motto "Your actions and words should always go together to be a reliable person," Chubu University aims at contributing to society's progress by developing reliable individuals who are highly cultivated and have a cosmopolitan outlook, specialized capabilities and the ability to act and who are independent, yet care about the public good. Chubu University also aims at contributing to society through outstanding research achievements and generous sharing of the University's intellectual and material resources with society.

### 3. Travel to Japan:

(1) **Air Ticket:** The cost of a round-trip ticket between an international airport designated by JICA and Japan will be borne by JICA.

(2) **Travel Insurance:** Coverage is from time of arrival up to departure in Japan. Thus traveling time outside Japan will not be covered.

### 4. Accommodation in Japan:

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

JICA Chubu International Center (JICA Chubu)

Address: 4-60-7 Hiraikecho, Nakamura-ku, Nagoya 453-0872, Japan

TEL: +81-52-533-0220 FAX: +81-52-564-3751

(where “81” is the country code for Japan, and “52” is the local area code)

If there is no vacancy at JICA Chubu (CBIC), JICA will arrange alternative accommodations for the participants.

### 5. Expenses:

The following expenses will be provided for the participants by JICA:

(1) Allowances for accommodation, meals, living expenses, outfit, and shipping

(2) Expenses for study tours (basically in the form of train tickets.)

(3) Free medical care for participants who become ill after arriving in Japan (costs related to pre-existing illness, pregnancy, or dental treatment are not included)

(4) Expenses for program implementation, including materials

For more details, please see “III. ALLOWANCES” of the brochure for participants titled “KENSU-IN GUIDE BOOK,” which will be given before departure for Japan.



## **6. Pre-departure Orientation:**

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

## ***V. Other Information***

### **1. Key Schedule in the Training Program**

- (1) Arriving Japan, Central Japan International Airport near Nagoya city, on October 12, 2017
- (2) Orientation and others in JICA Chubu from October 13, 2017
- (3) Technical training starts on October 16, 2017
- (4) Closing ceremony on November 24, 2017
- (5) Leaving Japan from Central Japan International Airport near Nagoya city on November 25, 2017

### **2. Personal-use computer**

It is suggested for the participants to complete their reports; i.e. Feedback reports, Action plan, etc. by computer applications. Information on schedule and some of the training materials will be delivered through Internet during the training program. JICA CHUBU, where participants stay, has the room with computers for these purposes. For better and effective work, it would be advisable to bring your own lap-top computer. Minimum requirements of applications would be MS Word and Excel together with an anti-virus soft built-in. Also mobile computers with complement of JICA will be available for the participants who do not have their own.

## VI. ANNEX:

### ANNEX1

#### Requirement for applicants

Please describe the following 3 reports. These reports should be typewritten.

1. Country Report,
2. Job Report, and
3. Inception Report, according to the following items.

#### Attention

1. The reports are used for comparative studies during the training course.
2. Country Report and Job Report will be a basic material to understand each country and each applicant.
3. Inception Report will be important material to make Action Plan as one of the result of the training course. That is the first step for making Action Plan. Please describe about the future vision for Industrial Technology Education based on a discussion with your superior and colleague.
4. The reports presentation  
Purpose: Lecturers and people concerned with this training will be present at the meeting to grasp the current situation of each participant.  
  
Attendants: The JICA participants, lecturers, JICA program officer, and other people concerned with this training course.  
  
Time: The time allocation for each presentation is about 15 minutes followed by a 5-minute Q & A period.  
  
Presentation: Each participant is requested to give a presentation based on the presentation materials.  
  
Reference materials: The participants are also expected to bring the PowerPoint data files, pamphlet of their organizations, photos, slides which illustrate the report, to be used during the report presentation (15 minutes). PowerPoint on the personal computer is available.

## ANNEX2

### Country Report Format

\*Country Report should be shown by a run of item.

1	<b>Name of country</b>	
2	<b>Education system</b>	<i>Organization chart showing relationship of organizations related to education should be attached.</i>
3	<b>Contents of Industrial Technology Education</b>	Primary education: Secondary education: Advanced education:
4	<b>Technology Education contests or exhibitions</b>	
5	<b>Teacher training institution</b>	
6	<b>Major problems in Technology Education in your country</b>	
7	<b>Major activities in Occupational Safety and Health Education</b>	
8	<b>Major activities in Education for Sustainable Development</b>	
9	<b>Organization chart</b>	<i>Please attach organization chart showing relationship of organizations.</i>

## ANNEX 3

### Job Report Format

\*Job Report should be shown by a run of the item.

<b>1</b>	<b>Name of applicant</b>	
<b>2</b>	<b>Your organization and position</b>	
<b>3</b>	<b>Major activities of your organization and section</b>	
<b>4</b>	<b>Your duties in your section</b>	
<b>5</b>	<b>Difficulties in performing your duties</b>	
<b>6</b>	<b>Future plans</b>	<b>On-going projects:</b>  <b>Medium-term programs:</b>  <b>Long-term programs:</b>
<b>7</b>	<b>Expectation to this training course</b>	
<b>8</b>	<b>Organization chart</b>	<i>Please attach organization chart of your own organization.</i>

## ANNEX 4

### Inception Report Format

\* As a representative of education official in your organization or country, please create a vision related to future Industrial Technology Education.

1	<b>Name of applicant</b>	
2	<b>Vision in next 10 years</b>	<i>“How are you going to create the future of Industrial Technology Education in your country?”</i>
3	<b>Details of present problems on Industrial Technology Education</b>	
4	<b>Countermeasures towards the problem (past and present)</b>	
5	<b>Practical effort by your organization or section</b>	
6	<b>Expected impact after the problem solved or improved</b>	
7	<b>Expected obstructions to problem solving</b>	

**REFERENCES:** Small & Medium Enterprises (SMEs) in Japan

**(1) Definition of SMEs**

(a) Definition of Small & Medium Enterprises

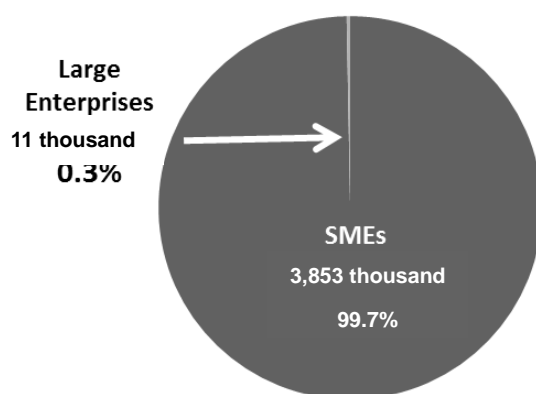
Type of Industry	Capital Size (million yen)	No. of employees
Manufacturing & others	300 or less	300 or less
Wholesale	100 or less	100 or less
Retail	50 or less	50 or less
Services		100 or less

(b) Definition of Micro Enterprises

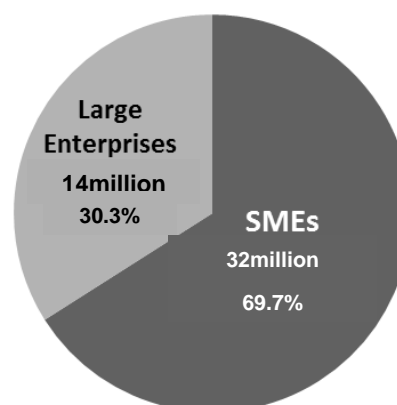
Type of Industry	No. of employees
Manufacturing & others	Not more than 20 employees
Commerce, service	Not more than 5 employees

**(2) Share of SMEs in the Japanese Economy**

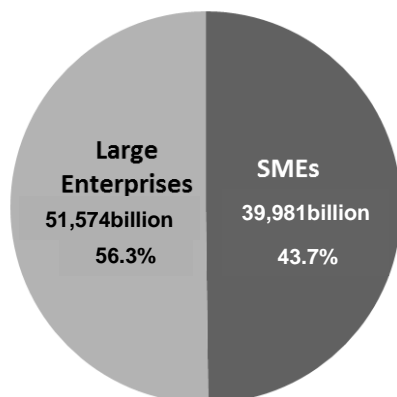
Number of Enterprises



Number of Employees



Value of Shipment in Manufacturing



Source: Small and Medium Enterprise Agency, METI, 2012  
 More detailed for <http://www.sme.ne.jp>

## ***For Your Reference***

### **JICA and Capacity Development**

The key concept underpinning JICA operations since its establishment in 1974 has been the conviction that “capacity development” is central to the socioeconomic development of any country, regardless of the specific operational scheme one may be undertaking, i.e. expert assignments, development projects, development study projects, training programs, JOCV programs, etc.

Within this wide range of programs, Training Programs have long occupied an important place in JICA operations. Conducted in Japan, they provide partner countries with opportunities to acquire practical knowledge accumulated in Japanese society. Participants dispatched by partner countries might find useful knowledge and re-create their own knowledge for enhancement of their own capacity or that of the organization and society to which they belong.

About 460 pre-organized programs 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 and are being customized to address the specific needs of different target organizations, 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 was the first non-Western country to successfully modernize its society and industrialize its economy. At the core of this process, which started more than 140 years ago, was the “*adopt and adapt*” concept by which a wide range of appropriate skills and knowledge have been imported from developed countries; these skills and knowledge have been adapted and/or improved using local skills, knowledge and initiatives. They finally became internalized in Japanese society to suit its local needs and conditions.

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 this “*adoption and adaptation*” process, which, of course, has been accompanied by countless failures and errors behind the success stories. We presume that such experiences, both successful and unsuccessful, will be useful to our partners who are trying to address the challenges currently faced by developing countries.

However, it is rather challenging to share with our partners this whole body of Japan’s developmental experience. This difficulty has to do, in part, with the challenge of explaining a body of “tacit knowledge,” a type of knowledge that cannot fully be expressed in words or numbers. Adding to this difficulty are the social and cultural systems of Japan that vastly differ from those of other Western industrialized countries, and hence still remain unfamiliar to many partner countries. Simply stated, coming to Japan might be one way of overcoming such a cultural gap.

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.





***CORRESPONDENCE***

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

**JICA Chubu International Center (JICA Chubu)**

**Address: 4-60-7 Hiraikecho, Nakamura-ku, Nagoya 453-0872, Japan**

**TEL: 81-52-533-0220 FAX: 81-52-564-3751**

## Guidelines of Application Form for the JICA Training and Dialogue Program

The attached form is to be used to apply for the training and dialogue programs of the Japan International Cooperation Agency (JICA), which are implemented as part of the Official Development Assistance Program of the Government of Japan. Please complete the application form while referring to the following and consult with the respective country's JICA Office - or the Embassy of Japan if the former is not available - in your country for further information.

### 1. Parts of Application Form to be completed

#### 1) Which part of the form should be submitted?

It depends on the type of training and dialogue program you are applying for.

##### >Application for Group and Region Focused Training Program

Official application and Parts A and B including Medical History and Examination must be submitted.

##### >>Application for Country Focused Training Program including Counterpart Training Program

Part B including Medical History and Examination will be submitted. Official application and Part A need not to be submitted

#### 2) How many parts does the Application Form consist of?

The Application Form consists of three parts as follows;

##### **Official Application**

This part is to be confirmed and signed by the head of the relevant department/division of the organization which is applying.

##### **Part A. Information on the Applying Organization**

This part is to be confirmed by the head of the relevant department/division of the organization which is applying.

##### **Part B. Information About the Nominee including Medical History and Examination**

This part is to be completed by the person who is nominated by the organization applying. The applicants for Group and Region Focused Training Program are required to fill in **every item**. As for the applications for Country Focused Training Program including Counterpart Training Program and some specified International Dialogue Programs, it is required to fill in the designated "**required**" items as is shown on the Form.

Please refer to the General Information to find out which type the training and dialogue program that your organization applies for belongs to.

### 2. How to complete the Application Form

In completing the application form, please be advised to:

- (a) carefully read the General Information (GI) for which you intend to apply, and confirm if the objectives and contents are relevant to yours,
- (b) be sure to write in the title name of the course/seminar/workshop/project accurately

- according to the GI, which you intend to apply,
- (c) use a typewriter/personal computer in completing the form or write in **block letters**,
  - (d) fill in the form in **English**,
  - (e) use  or ~~%%~~ to fill in the ( ) check boxes,
  - (f) attach a picture of the Nominee,
  - (g) attach additional page(s) if there is insufficient space on the form,
  - (h) prepare the necessary document(s) described in the General Information (GI), and attach it (them) to the form,
  - (i) confirm the application procedure stipulated by your government, and
  - (j) submit the original application form with the necessary document(s) to the responsible organization of your government according to the application procedure.

Any information that is acquired through the activities of the Japan International Cooperation Agency (JICA), such as the nominee's name, educational record, and medical history, shall be properly handled in view of the importance of safeguarding personal information.

### **3. Privacy Policy**

---

#### **1) Scope of Use**

Any information used for identifying individuals that is acquired by JICA will be stored, used, or analyzed only within the scope of JICA activities. JICA reserves the right to use such identifying information and other materials in accordance with the provisions of this privacy policy.

#### **2) Limitations on Use and Provision**

JICA shall never intentionally provide information that can be used to identify individuals to any third party, with the following three exceptions:

- (a) In cases of legally mandated disclosure requests;
- (b) In cases in which the provider of information grants permission for its disclosure to a third party;
- (c) In cases in which JICA commissions a party to process the information collected; the information provided will be within the scope of the commissioned tasks.

#### **3) Security Notice**

JICA takes measures required to prevent leakage, loss, or destruction of acquired information, and to otherwise properly manage such information.

### **4. Copyright policy**

---

Participants of the JICA Training and Dialogue program are requested to comply with the following copyright policy;

Article 1. Compliance matters with participants' drafting of documents (various reports, action plans, etc.) and presentations (report meetings, lectures, speeches, etc.)

1. Any contents of the documents and presentations shall be created by themselves in principle.

2. Comply with the following matters, if you, over the limit of quotation, have to use a third person's work (reproduction, photograph, illustration, map, figure, etc.) that is protected under laws or regulations in your country or copyright-related multinational agreements or the like:

- (1) Obtain license to use the work on your own responsibility. In this case, the scope of the license shall meet the provisions of Article 2.
- (2) Secure evidential material that proves the grants of the license and specifies the scope of the license.
- (3) Consult with the third party and perform the payment procedure on your own responsibility regarding negotiations with a third person about the consideration for granting the license and the procedure for paying the consideration,.

#### Article 2. Details of use of works used for training

- (1) The copyright on a work that a participant prepares for a training course shall belong to the trainee. The copyright on the parts where a third party's work is used shall belong to the third party.
- (2) When using texts, supplementary educational materials and other materials distributed for the JICA training courses, participants shall comply with the purposes and scopes approved by each copyright holder.



Training Programs under Technical Cooperation with the Government of Japan

### Application Form for the JICA Training and Dialogue Program

## OFFICIAL APPLICATION

(to be confirmed and signed by the head of the relevant department / division of the applying organization)

**1. Title:** (Please write down as shown in the General Information)

**2. Number:** (Please write down as shown in the General Information)

J	0		-					
---	---	--	---	--	--	--	--	--

**3. Country Name:**

**4. Name of Applying Organization:**

**5. Name of the Nominee(s):**

1)	3)
2)	4)

Our organization hereby applies for the training and dialogue program of the Japan International Cooperation Agency and proposes to dispatch qualified nominees to participate in the programs.

Date:		Signature:	
Name:			
Designation / Position			Official Stamp
Department / Division			
Office Address and Contact Information	Address:		
	Telephone:	Fax:	E-mail:

-----  
**Confirmation by the organization in charge (if necessary)**

I have examined the documents in this form and found them true. Accordingly I agree to nominate this person(s) on behalf of our government.

Date:		Signature:	
Name:			
Designation / Position			Official Stamp
Department / Division			



**Part A: Information on the Applying Organization**

(to be confirmed by the head of the department / division)

**1. Profile of Organization**

1) Name of Organization:

2) The mission of the Organization and the Department / Division:

**2. Purpose of Application**

1) Current Issues: Describe the reasons for your organization claiming the need to participate in the training and dialogue program, with reference to issues or problems to be addressed.

2) Objective: Describe what your organization intends to achieve by participating in the training and dialogue program.



**3) Future Plan of Actions: Describe how your organization shall make use of the expected achievements, in addressing the said issues or problems.**

**4) Selection of the Nominee: Describe the reason(s) the nominee has been selected for the said purpose, referring to the following view points; 1) Course requirement, 2) Capacity /Position, 3) Plans for the candidate after the training and dialogue program, 4) Plan of organization and 5) Others.**



**Part B: Information about the Nominee**

(to be completed by the Nominee)

NOTE>>>The applicants for Group and Region Focused Training Program are required to fill in every item. As for the applications for Country Focused Training Program including Counterpart Training Program and some specified International Dialogue Programs, it is required to fill in the designated "required" items as is shown below.

**1. Title:** (Please write down as shown in the General Information) **(required)**

[Empty box for Title]

**2. Number:** (Please write down as shown in the General Information) **(required)**

J 0 - [Empty boxes]

Attach the nominee's photograph (taken within the last three months) here  
Size: 4x6  
(Attach to the documents to be submitted.)

**3. Information about the Nominee(nos. 1-9 are all required)**

**1) Name of Nominee (as in the passport)**

**Family Name**

[Empty box for Family Name]

**First Name**

[Empty box for First Name]

**Middle Name**

[Empty box for Middle Name]

<b>2) Nationality</b> (as shown in the passport)		<b>5) Date of Birth</b> (please write out the month in English as in "April")				
<b>3) Sex</b>	( ) Male	( ) Female	<b>Date</b>	<b>Month</b>	<b>Year</b>	<b>Age</b>
<b>4) Religion</b>						

**6) Present Position and Current Duties**

Organization							
Department / Division							
Present Position							
Date of employment by the present organization	Date	Month	Year	Date of assignment to the present position	Date	Month	Year

**7) Type of Organization**

( ) National Governmental	( ) Local Governmental	( ) Public Enterprise
( ) Private (profit)	( ) NGO/Private (Non-profit)	( ) University
( ) Other ( )		

**8) Outline of duties: Describe your current duties**

[Empty box for Outline of duties]



**9) Contact Information**

Office	Address:	
	TEL:	Mobile (Cell Phone):
	FAX:	E-mail:
Home	Address:	
	TEL:	Mobile (Cell Phone):
	FAX:	E-mail:
Contact person in emergency	Name:	
	Relationship to you:	
	Address:	
	TEL:	Mobile (Cell Phone):
	FAX:	E-mail:

**10) Others (if necessary)**

--

**4. Career Record****1) Job Record (After graduation)**

Organization	City/ Country	Period		Position or Title	Brief Job Description
		From Month/Year	To Month/Year		

**2) Educational Record (Higher Education)(required)**

Institution	City/ Country	Period		Degree obtained	Major
		From Month/Year	To Month/Year		



**3) Training or Study in Foreign Countries; please write your past visits to Japan specifically as much as possible, if any.**

Institution	City/ Country	Period		Field of Study / Program Title
		From Month/Year	To Month/Year	

**5. Language Proficiency (required)**

1) Language to be used in the program (as in GI)					
Listening	( ) Excellent	( ) Good	( ) Fair	( ) Poor	
Speaking	( ) Excellent	( ) Good	( ) Fair	( ) Poor	
Reading	( ) Excellent	( ) Good	( ) Fair	( ) Poor	
Writing	( ) Excellent	( ) Good	( ) Fair	( ) Poor	
Certificate (Examples: TOEFL, TOEIC)					
2) Mother Tongue					
3) Other languages ( )		( ) Excellent	( ) Good	( ) Fair	( ) Poor

<sup>1</sup> Excellent: Refined fluency skills and topic-controlled discussions, debates & presentations. Formulates strategies to deal with various essay types, including narrative, comparison, cause-effect & argumentative essays.

<sup>1</sup> Good: Conversational accuracy & fluency in a wide range of situations: discussions, short presentations & interviews. Compound complex sentences. Extended essay formation.

<sup>1</sup> Fair: Broader range of language related to expressing opinions, giving advice, making suggestions. Limited compound and complex sentences & expanded paragraph formation.

<sup>1</sup> Poor: Simple conversation level, such as self-introduction, brief question & answer using the present and past tenses.



**6. Expectation on the applied training and dialogue program**

**1) Personal Goal: Describe what you intend to achieve in the applied training and dialogue program in relation to the organizational purpose described in Part A-2.**

**2) Relevant Experience: Describe your previous vocational experiences which are highly relevant in the themes of the applied training and dialogue program. (required)**

**3) Area of Interest: Describe your subject of particular interest with reference to the contents of the applied training and dialogue program. (required)**

**\*7. Declaration (to be signed by the Nominee) (required)**

I certify that the statements I made in this form are true and correct to the best of my knowledge.

If accepted for the program, I agree:

- (a) not to bring or invite any member of my family (except for the program whose period is one year or more),
- (b) to carry out such instructions and abide by such conditions as may be stipulated by both the nominating government and the Japanese Government regarding the program,
- (c) to follow the program, and abide by the rules of the institution or establishment that implements the program,
- (d) to refrain from engaging in political activity or any form of employment for profit or gain,
- (e) to return to my home country at the end of the activities in Japan on the designated flight schedule arranged by JICA,
- (f) to discontinue the program if JICA and the applying organization agree on any reason for such discontinuation and not to claim any cost or damage due to the said discontinuation.
- (g) to consent to waive exercise of my copyright holder's rights for documents or products that are produced during the course of the project, against duplication and/or translation by JICA, as long as they are used for the purposes of the program.
- (h) to approve the privacy policy and the copyright policy mentioned in the Guidelines of Application.

JICA's Information Security Policy in relation to Personal Information Protection

JICA will properly and safely manage personal information collected through this application form in accordance with JICA's privacy policy and the relevant laws of Japan concerning protection of personal information and take protection measures to prevent divulgence, loss or damages of such personal information.

Unless otherwise obtained approval from an applicant itself or there are valid reasons such as disclosure under laws and ordinances, etc., and except for the following 1.-3., JICA will neither



provide nor disclose personal information to any third party. JICA will use personal information provided only for the purposes in the following 1.-3 and will not use for any purpose other than the following 1.-3 without prior approval of an applicant itself.

1. To provide technical training to technical training participants from developing countries.
2. To provide technical training to technical training trainees from developing countries under the CitizensCooperation Activities..
3. In addition to 1. and 2. above, if the government of Japan or JICA determines necessary in the course of technical cooperation.

Date:	Signature:
	Print Name:

**MEDICAL HISTORY AND EXAMINATION****1. Present Status**

(a) Do you currently use any drugs for the treatment of a medical condition? (Give name &amp; dosage.)

<input type="checkbox"/> No	<input type="checkbox"/> Yes >> Name of Medication ( _____ ), Quantity ( _____ )
-----------------------------	--

(b) Are you pregnant?

<input type="checkbox"/> No	<input type="checkbox"/> Yes ( _____ months )
-----------------------------	---

(c) Are you allergic to any medication or food?

<input type="checkbox"/> No	<input type="checkbox"/> Yes >>>	<input type="checkbox"/> Medication	<input type="checkbox"/> Food	<input type="checkbox"/> Other:
-----------------------------	----------------------------------	-------------------------------------	-------------------------------	---------------------------------

(d) Please indicate any needs arising from disabilities that might necessitate additional support or facilities.

( _____ )
<i>Note: Disability does not lead to exclusion of persons with disability from the program. However, upon the situation, you may be directly inquired by the JICA official in charge for a more detailed account of your condition.</i>

**2. Medical History**

(a) Have you had any significant or serious illness? (If hospitalized, give place &amp; dates.)

Past:	<input type="checkbox"/> No	<input type="checkbox"/> Yes>>Name of illness ( _____ ), Place & dates ( _____ )
Present:	<input type="checkbox"/> No	<input type="checkbox"/> Yes>>Present Condition ( _____ )

(b) Have you ever been a patient in a mental hospital or been treated by a psychiatrist?

Past:	<input type="checkbox"/> No	<input type="checkbox"/> Yes>>Name of illness ( _____ ), Place & dates ( _____ )
Present:	<input type="checkbox"/> No	<input type="checkbox"/> Yes>>Present Condition ( _____ )

(c) High blood pressure

Past:	<input type="checkbox"/> No	<input type="checkbox"/> Yes
Present:	<input type="checkbox"/> No	<input type="checkbox"/> Yes>>Present Condition ( _____ ) mm/Hg to ( _____ ) mm/Hg

(d) Diabetes (sugar in the urine)

Past:	<input type="checkbox"/> No	<input type="checkbox"/> Yes
Present:	<input type="checkbox"/> No	<input type="checkbox"/> Yes>>Present Condition ( _____ )
		Are you taking any medicine or insulin? <input type="checkbox"/> No <input type="checkbox"/> Yes

(e) Past History: What illness(es) have you had previously?

<input type="checkbox"/> Stomach and Intestinal Disorder	<input type="checkbox"/> Liver Disease	<input type="checkbox"/> Heart Disease	<input type="checkbox"/> Kidney Disease
<input type="checkbox"/> Tuberculosis	<input type="checkbox"/> Asthma	<input type="checkbox"/> Thyroid Problem	
<input type="checkbox"/> Infectious Disease >>> Specify name of illness ( _____ )			
<input type="checkbox"/> Other >>> Specify ( _____ )			

(e) Has this disease been cured?

<input type="checkbox"/> Yes	<input type="checkbox"/> No (Specify name of illness)
	Present Condition: ( _____ )

**3. Other: Any restrictions on food and behavior due to health or religious reasons?**

--

I certify that I have read the above instructions and answered all questions truthfully and completely to the best of my knowledge.

I understand and accept that medical conditions resulting from an undisclosed pre-existing condition may not be financially compensated by JICA and may result in termination of the program.

Date:	Signature:
	Print Name: