

# THIRD COUNTRY TRAINING AND IN-COUNTRY TRAINING COURSES OF THE GOVERNMENT OF JAPAN

List and Outline of Courses  
Starting Between April 1999 and March 2000

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JAPAN INTERNATIONAL COOPERATION AGENCY  
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# I. What Is Third Country Training?

## 1. Background

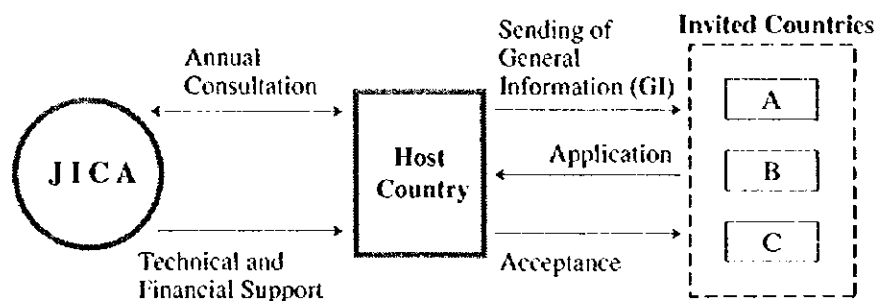
Third Country Training Program (TCTP) was first introduced to JICA's technical cooperation program in March, 1975 when participants from Lao PDR attended a training course on sericulture in Thailand financially supported by JICA.

Since then, JICA's TCTP has been expanded in number and improved in quality and now it offers 108 courses in 25 different countries in the Japanese fiscal year 1998 (April 1998 – March 1999).

Unlike the conventional type of JICA's training program where participants are invited to Japan, TCTP is designed so that a leading country in a certain development issue organizes a training course and invites neighboring countries with common or similar social, cultural and linguistic background with the cooperation and assistance of JICA.

## 2. Objectives

JICA's TCTP has two objectives; one is to provide training which better fits the needs and respective conditions of participating countries, and the other is to promote technical cooperation among developing countries by extending technical and financial assistance to the host country. With respect to the former objective, JICA provides fellowships to participants from outside the host country, and as for the latter purpose, JICA furnishes concerned training institutions with necessary operating funds and provides necessary experts under its Expert-Dispatch Program.



# II. What Is In-Country Training?

## 1. Background

In many developing countries, disseminating advanced technology and knowledge for socio-economic development is difficult due primarily to lack of budget and/or management skills to provide training opportunities to a greater number of people, although the central agencies/institutions have already acquired techniques necessary for the betterment of society. In order to facilitate the dissemination of the knowledge and skills transferred through Japanese technical cooperation projects effectively and efficiently, the In-Country Training Program (ICTP) was established as one of the modalities of Japanese technical assistance in 1993. A total of 10 ICTPs have been implemented by institutions that have successfully adopted and adapted Japanese technical cooperation. In these programs, local resource persons have played a leading role both in organizing the program and transferring to their expertise, which is more suitable to the local context and to the participants.

## 2. Objectives

1. ICTP contributes to the effective dissemination of the knowledge and techniques transferred through completed, or nearly completed, Japanese technical cooperation programs.
2. Technologies adapted by local experts to the local environment can be shared, which allows participants to apply these technologies more easily.
3. Fewer communication problems are observed compared to training programs in Japan or to Third Country Training Programs, as the medium of training can be chosen according to the preference of the participants and organizers.
4. A significant number of people can be trained intensively in a relatively short period of time; thus ICTP is cost effective compared to other training modalities, which require substantial invitation expenses, including international air fares.
5. ICTP enables a wide range of people, including community representatives, to undergo training, which can subsequently promote participatory development.
6. ICTP helps host institutions to improve their abilities in planning, developing and conducting training, which in turn helps spread the accomplishments of international technical cooperation to the country. Furthermore, it is recognized that ICTP contributes to strengthening host institutions' research capacities by establishing a local network with training participants from various backgrounds.

## 3. Prioritized areas of ICTP

Training programs with respect to the following subjects are given priorities.

1. Global issues including the environment, population control, health and medical care and WID.
2. Skills and knowledge with urgent needs for dissemination, yet difficult to spread region wide and nationwide due to lack of resources and other constraints.
3. Training subjects which aim to contribute to the socio-economic development of targeted local community members.

## III. What Are Contents?

This brochure contains:

- (1) Information about the courses scheduled to be held in Japanese Fiscal Year (JFY) 1999
- (2) List of new courses (tentative title and implementing organization) planned in JFY 1999

**For more detailed information on the Third Country Training Courses needed for the application and actual course schedule, please refer to the General Information brochures (GI) for each course, which will be sent to each invited country through diplomatic channels of the host country.**



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# **I. Third Country Training Courses**

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## The Outline of Scheduled Courses in JFY 1999

### ■ CHINA ■

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#### Title: Meat Processing Technology

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Cooperation Period:	JFY 1998-2002
Purpose:	To provide the participants from African and Asian countries with an opportunity to improve their knowledge and techniques in the field of meat processing technology, thereby contributing to a more sustainable development of meat food supply in their respective countries
Course Contents:	(1) Processing technology for Chinese style sausages; (2) Processing technology for Chinese style dry meat products and Smoked/Roast meat products; (3) Processing technology for Chinese style stewed meat in seasonings; (4) Processing technology for Western style ham and roast chicken; (5) Processing technology for Western style sausages; (5) Development and prospect of meat products in Japan; (6) Quality assurance system for processing meat in Japan
Invited Country(s):	Egypt; Ethiopia; Ghana; Kenya; Mauritius; Seychelles; Tanzania; Zambia; Zimbabwe; Uganda; Bangladesh; India; Mongolia; Nepal; Pakistan
Number of Participants:	Should not exceed 10 in total
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be professional school graduates or the equivalent; (3) To be presently engaged in the field of meat processing technology; (4) To be under 50 years of age; (5) To have a sufficient command of spoken and written English; (6) To be in good health, both physically and mentally, to complete the course; (7) Not to be serving the in the military
Language of Instruction:	English
Training Institution(s):	CMRC

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**Title: Irrigation and Drainage Engineering**

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Cooperation Period:	JFY 1985-1999
Purpose:	(1) To increase the knowledge and practical experience of the participants from developing countries in the field of irrigation and drainage engineering and its related technology; (2) To provide them with an opportunity of refreshing and improving relevant techniques and knowledge in the field of irrigation drainage engineering practices; (3) To contribute to find the solution of the problems of implementation of irrigation and drainage engineering according to the specific features of the participating countries; (4) To exchange technical know-how and experience among the participants in the field of irrigation and drainage engineering and water resources development technology
Course Contents:	(1) Guidance on IESC and others; (2) Lectures on related technology; (3) Seminar: a) Country report—Present condition of irrigation and drainage and its development problems in home country; b) Panel discussion—Irrigation and drainage for agricultural and its development perspective; (4) Field observation; (5) Case studies
Invited Country(s):	Malaysia; Philippines; Thailand; Cambodia; Laos; Viet Nam; China; Bangladesh; Bhutan; India; Nepal; Pakistan; Sri Lanka; Papua New Guinea; Kenya
Number of Participants:	Should not exceed 14 in total from the invited countries and not exceed 6 from Indonesia
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be university graduates, engineers or to have equivalent academic background; (3) To be engaged in irrigation and drainage engineering; (4) To have practical experience of preferably more than 5 years in the field concerned; (5) To have a good command of spoken and written in English; (6) To be a citizen of the nominating country; (7) To be in good health, both physically and mentally, to complete the course; (8) To preferably be under 45 years of age
Language of Instruction:	English
Training Institution(s):	The Irrigation Engineering Service Center (IESC) [former The Construction Guidance Service Center (CGSC)]; Directorate General of Water Resources Development (DGWRD), Ministry of Public Works

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**Title: Agricultural Extension and Training Methodology**

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Cooperation Period:	JFY 1990-1999
Purpose:	(1) To provide the participants with an opportunity to refresh and improve their knowledge in the field of agricultural extension and training methodology; (2) To exchange views, information and experience in the field of agricultural extension and training methodology
Course Contents:	(1) Agriculture and rural sectors in Indonesia; (2) Agricultural extension system; (3) Agricultural extension approaches and strategies; (4) Training management; (5) Training approaches and methodologies; (6) Field trip; (7) Group dynamics; (8) Communication; (9) Indonesian language and cultural belief; (10) Agricultural extension in Japan
Invited Country(s):	Malaysia; Philippines; Thailand; Cambodia; Laos; Viet Nam; Bangladesh; India; Nepal; Pakistan; Sri Lanka; Fiji; Papua New Guinea; Solomon Islands; Tonga; Samoa
Number of Participants:	Should not exceed 14 in total from the invited countries and not exceed 4 from Indonesia
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be university graduates or to have equivalent academic background; (3) To be engaged in training of agricultural extension workers; (4) To have practical experience of more than 3 years in the field concerned; (5) To be under 45 years of age; (6) To have a good command of spoken and written English; (7) To be a citizen of nominating country; (8) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	Agricultural Inservice Training Center (AITC)

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**Title: Pest Surveillance and Forecasting**

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Cooperation Period:	JFY 1990-1999
Purpose:	To provide the participants from Asia-Pacific countries with an opportunity to refresh and improve the relevant techniques, knowledge and skill in the field of pest surveillance and forecasting methodology
Course Contents:	[Topics] (1) Brown planthopper — Biology; Population; Dynamic; Natural enemies; Forecasting of BPH infestation; Field laboratory; (2) Rat — Census and sampling method; Species identification and population characteristic; Rat damage analysis, field and laboratories works; (3) Green leafhopper/tungro — Biology; Population dynamics and natural enemies of GLH; Diagnosis and identification of tungro disease; Field laboratories; (4) Rice disease — Rice disease identification; Laboratory

## ■ INDONESIA ■

diagnosis and field diagnosis of rice disease; Field works and laboratory practices; (5) Secondary crops/Palawija --- Pest of soybean crop, Main pests of soybean and its population dynamics; Field and laboratory works; (6) General lectures --- Plan protection policy; IPM principle; Other related activities; (7) Rice ecosystem analysis --- Component of rice ecosystem; Biodiversity and stable ecosystem; Role of natural enemies; Implementation of IPM based on ecosystem analysis

Invited Country(s):	Malaysia; Philippines; Thailand; Cambodia; Laos; Viet Nam; Bangladesh; Bhutan; India; Nepal; Pakistan; Sri Lanka; Papua New Guinea; Zambia
Number of Participants:	Should not exceed 15 in total from the invited countries and not exceed 5 from Indonesia
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be university graduates or have equivalent academic background; (3) To be engaged in or connected to plant protection activities; (4) To have practical experience of more than 3 years in the field concerned; (5) To be under 45 years of age in principle; (6) To have a good command of spoken and written English; (7) To be in good health, both physically and mentally, to complete the course; (8) To be a citizen of the nominating country
Language of Instruction:	English
Training Institution(s):	The Pest Forecasting Center, The Directorate of Food Crop Protection, Directorate General of Food Crop and Horticulture

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### Title: International Course on Veterinary Drug Improvement

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Cooperation Period:	JFY 1997-2001
Purpose:	To provide the participants an opportunity to upgrade relevant techniques and knowledge in the field of veterinary drugs control so as to strengthen animal health services in the respective countries through quality improvement of veterinary drugs and to accelerate regional coordination and harmonization on veterinary drug administration
Course Contents:	(1) Livestock development, animal health, veterinary drug administration quality control for vet. drugs, etc.; (2) Presentation of country report; (3) Bacteriology assay technique; (4) Viral vaccine assay technique; (5) Pharmaceutical assay technique; (6) Residue analysis
Invited Country(s):	Bangladesh; Bhutan; Fiji; Kenya; Laos; Nepal; Papua New Guinea; Philippines; Solomon Island; Sri Lanka; Thailand; Viet Nam; Samoa
Number of Participants:	Should not exceed 8 in total from the invited countries and not exceed 2 from Indonesia
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be university graduates (Faculty of Veterinary Medicine/Science) or to have equivalent academic background; (3) To be veterinary officers who have adequate background and knowledge in laboratory techniques veterinary drug control or field animal health service experience in animal disease; (4) To have a good command of spoken and written English; (5) To be a citizen of the nominating countries; (6) To be in good health, both physically and mentally, to complete the course (Pregnancy is regarded as a disqualifying condition.); (7) To be not more than 45 years of age
Language of Instruction:	English
Training Institution(s):	Directorate General of Livestock Services (DGLS), Ministry of Agriculture of the Republic of Indonesia; Veterinary Drug Assay Laboratory

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### Title: International Advanced Course on Integrated Technology for Housing Planning

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Cooperation Period:	JFY 1997-2001
Purpose:	To provide the participants from Asian and Pacific Countries with an opportunity of refreshing and improving relevant techniques and knowledge in the field of integrated technology for housing planning
Course Contents:	Housing development program in Indonesia; Planning of housing area; Housing environment planning; Housing finance system; Housing demand and supply; Community based low-cost housing; Gender sensitive planning; Housing planning technique; Housing planning method applied in Indonesia; Role of public sector in housing development; Role of private sector in housing development; Redevelopment of housing area; Introduction to the Research Institute for Human Settlements (RIHS) and observation of facilities; Building safety planning; Building materials; Water supply system; Drainage system; Domestic waste disposal system; Solid waste disposal waste; Infrastructure for housing; Yogyakarta cultural heritage; Conservation project; Housing and urban planning in Surabaya; Kampung improvement project; Balinese traditional housing; Introduction to workshop and case study on local settlement; Housing policy and condition in Japan; Comparison of housing problems in developing countries and Japan; etc.



Invited Country(s): Bangladesh; Cambodia; China; Fiji; India; Laos; Malaysia; Nepal; Pakistan; Papua New Guinea; Philippines; Sri Lanka; Thailand; Viet Nam; Samoa

Number of Participants: Should not exceed 12 in total from the invited countries and not exceed 4 from Indonesia

Qualification of Applicants: (1) To be nominated by their respective governments; (2) To be university graduates or to have equivalent academic background; (3) To be engaged in housing policy and housing planning; (4) To have practical experience of more than 5 years in the field; (5) To have a good command of spoken and written English; (6) To be a citizen of the nominating country; (7) To be in good health, both physically and mentally, to complete the course; (8) To be preferably under 45 years of age

Language of Instruction: English

Training Institution(s): Research Institute for Human Settlements

**Title: TV Programme Production and Management**

Cooperation Period: JFY 1997–2001

Purpose: (1) To provide the participants with an opportunity of refreshing and improving relevant knowledge and know-how in the field of programme production and cost/scheduling management; (2) To provide an opportunity for the participants to exchange ideas, information and experience among themselves

Course Contents: (1) Lecture and theory — Study on Indonesia TV drama; Point to discussion; Country report; Project management for TV drama; Essential stage of pre-production planning and general understanding of Standard Operation Procedure; Budget estimates and budget control; The production board and shooting schedules; Story and script development technique; Continuity breakdowns and further technical analysis of story and shooting script; Managerial supervision of TV drama series produced by external production companies for TV station; Exchange of expertise about planning and management of TV drama production by the course participants; Introduction to TV production of Japan; Production technique for TV drama; (2) Simulation practice — Budget planning; Preparing shooting schedules; Preparing management reports; Preparing continuity for shooting individual scenes; Production Practice; Post-Production

Invited Country(s): Bangladesh; Cambodia; China; Laos; Malaysia; Pakistan; Philippines; Sri Lanka; Thailand; Viet Nam

Number of Participants: Should not exceed 12 in total from the invited countries and not exceed 3 from Indonesia

Qualification of Applicants: (1) To be nominated by their respective governments; (2) To have practical experience of more than 3 years in broadcasting activities; (3) To have experience as at least an assistant director, or the equivalent; (4) To be able to bring a vide of the programme or the equivalent which was made in their station, and to be able to make presentation about process of making the programme; (5) To be under 45 years of age in principle; (6) To have a sufficient command of spoken and written English; (7) To be in good health, both physically and mentally, to complete the course

Language of Instruction: English

Training Institution(s): Multi Media Training Centre, Department of Information (MMTC)

**Title: Roles of Media in Family Planning/Reproductive Health Information, Education and Communication Program**

Cooperation Period: JFY 1998–2002

Purpose: (1) To provide participants from Asia, the Pacific and African countries with an opportunity to update and upgrade their knowledge on roles of media in family planning-reproductive health information, education and communication program; (2) To acquire basic skills in desktop publishing and desktop presentation techniques

Course Contents: (1) Power of AV presentation and production procedure; (2) Exploring DTIPR software; (3) Scanning demonstration; (4) Clip art; (5) Production plan; (6) Production DTIPR; (7) Leaflet sound slide presentation; (8) Field visit; (9) Workshop

Invited Country(s): 1998: Bangladesh, China, Laos, Mongolia, Philippines, Nepal, Papua New Guinea, Ethiopia, Kenya; 1999: Sri Lanka, Cambodia, China, Vietnam, India, Pakistan, Philippines, South Africa, Zimbabwe; 2000: Bangladesh, Sri Lanka, Cambodia, Laos, Myanmar, Nepal, Papua New Guinea, Tanzania, Egypt; 2001: China, India, Viet Nam, Mongolia, Myanmar, Pakistan, Bhutan, South Africa, Kenya; 2002: Bangladesh, Sri Lanka, Cambodia, India, Laos, Papua New Guinea, Viet Nam, Bhutan, Zimbabwe, Egypt

## ■ INDONESIA ■

Number of Participants:	Each Fiscal Year, 9 countries will be invited, and the total number of participants per course should not exceed 18 in total. Each country should nominate participants in pair (i.e. 2 per country).
Qualification of Applicants:	(1) To be nominated by their respective governments in accordance with the procedure; (2) To be mid-level managers of government's family planning institutions/organizations who work for information, education and communication program including media production such as video and printed materials; (3) To have a good knowledge of and make use of modern computers, to be able to operate word processing and other programs at ease; a basic knowledge of at least one desktop publishing and desktop presentation program; (4) To have good command of spoken and written English; (5) To be in good health, both physically and mentally to enable them to complete the course; (6) Not to be serving in the military
Language of Instruction:	English
Training Institution(s):	National Family Planning Coordinating Boards (BKKBN)

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### Title: International Training Course on Electronic Engineering Education

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Cooperation Period:	JFY 1998-2002
Purpose:	To provide the participants from Asian countries with an opportunity to improve their knowledge and techniques in the field of electronic engineering
Course Contents:	(1) Computer networking; (2) Basic communication; (3) Engineering education methodology on computer communication; (4) Electromagnetic compatibility; (5) Basic interfacing to PC; (6) Trend of communication services; (7) Computer language; (8) Spread spectrum; (9) Data communication; (10) TCP/IP; (11) Internet technology; (12) Network installation
Invited Country(s):	Bangladesh; Laos; Malaysia; Nepal; Pakistan; Philippines; Sri Lanka; Thailand; Viet Nam
Number of Participants:	Should not exceed 12 in total from the invited countries, and not exceed 3 from Indonesia
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be presently engaged in laboratory works in the field of electronic engineering tertiary education; (3) To have practical experience of more than 3 years in the field of electronic engineering education; (4) To be graduates from Polytechnic, Technical College or equivalent (to have minimum 14 years in formal education); (5) To be under 35 years of age in principle (6) To have a good command of spoken and written English; (7) To be in good health, both physically and mentally, in order to complete the course; (8) Not to be serving in the military
Language of Instruction:	English
Training Institution(s):	The Electronic Engineering Polytechnic Institute Surabaya (EEPIS)

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### Title: International Training Course on Sabo Engineering and Water Induced Disaster Countermeasures

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Cooperation Period:	JFY 1998-2002
Purpose:	To provide the participants from Asian and Pacific countries with an opportunity to improve their knowledge and techniques in the field of Sabo Engineering and Water induced Disaster Countermeasures and thus to contribute to finding way to solve manifold problems related to Sabo Engineering and Water Induced Disaster Countermeasures in compliance with the specific features of each country
Course Contents:	(1) Government policy on erosion control and disaster prevention works; (2) Sabo plan; (3) Survey and design for Sabo structures; (4) Sabo works and water induced disaster countermeasures; (5) Sabo implementation; (6) Sediment transport on steep slope and debris flow; (7) Sabo works in Japan; (8) Flood control; (9) Land conservation and reforestation; (10) Sedimentation in reservoir and its control; (11) Landslide experiment, etc.
Invited Country(s):	Pakistan; Nepal; Bangladesh; Sri Lanka; China; Thailand; Viet Nam; Cambodia; Laos; Malaysia; Philippines; Papua New Guinea; Tonga; Samoa; Fiji
Number of Participants:	Should not exceed 10 in total and not exceed 5 from Indonesia
Qualification of Applicants:	(1) To be nominated by their respective government; (2) To be presently engaged in or conducting erosion and sediment control engineering (Sabo Engineering) and Water Induced Disaster Countermeasures; (3) To have practical experience of more than 2 years in the field concerned; (4) To be university graduates or to have the equivalent academic background; (5) To be under 40 years of age; (6) To have a good command of spoken and written English; (7) To be in good health, both physically and mentally, in order to complete the course; (8) As the schedule of this course includes much field works (trips) that would be too demanding for pregnant women, pregnancy is regarded as a disqualifying condition for participation in this training course; (9) Not to be serving in the military
Language of Instruction:	English
Training Institution(s):	Sabo Technical Center (STC)

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**Title: Quality Assurance of Live Attenuated Polio & Measles Vaccine**

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Cooperation Period:	JFY 1998-2002
Purpose:	To provide the participants with necessary knowledge and appropriate technique on quality control of live viral vaccine (mainly polio and measles) and to contribute in decreasing of polio and measles cases
Course Contents:	(1) Theory — Introduction; Documentation system; Specification; ID labeling; Date collection; Record keeping; Incident report; Change control; Implementation of a QA system; Control of biological starting materials; Basic laboratory techniques on cell culture; Control of live viral vaccine and immunization, etc; (2) Practice — Sterility testing; Potency & stability testing for OPV; Polio serum neutralization test; Potency & stability testing for measles; Neutralization test; Hemagglutination inhibition testing
Invited Country(s):	Viet Nam; Thailand; Philippines; Malaysia; China; Myanmar; Turkey; Pakistan; Nepal; India; Sri Lanka
Number of Participants:	Should not exceed 8 in total from the invited countries and not exceed 2 from Indonesia
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be engaged in quality control of polio or measles vaccine at the national control authority or relevant function agency in respective Governments; (3) To have practical experience of more than 3 years in the field; (4) To be under 45 years of age in principle; (5) To have a good command of spoken and written English; (6) To be in good health, both physically and mentally, in order to complete the course; (7) Not to be serving in the military
Language of Instruction:	English
Training Institution(s):	PT. Bio Ferma (Persero)

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**Title: Agricultural Engineering and Technology in the Developing Countries**

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Cooperation Period:	JFY 1998-2002
Purpose:	To accommodate the need for exchanging experiences in the field of agriculture, especially in agricultural engineering and technology among the participating countries
Course Contents:	(1) Presentation of country report; (2) Agricultural policy and development in Indonesia; (3) Appropriate technology for developing countries-experiences in Indonesia; (3) Field visit
Invited Country(s):	Botswana; Ethiopia; Ghana; Kenya; Lesotho; Malawi; Namibia; South Africa; Swaziland; Tanzania; Uganda; Zambia; Zimbabwe
Number of Participants:	Should not exceed 15 in total from the invited countries
Qualification of Applicants:	[1998] (1) To be nominated by their respective governments; (2) To be senior officials (Government Officers, Faculty Deans, Heads of Agricultural Research Institutes) who are familiar with agricultural engineering and/or technology, and are in charge of "policy making" or "program planning/implementation" in agricultural sector; (3) To be under 55 years of age in principle; (4) To have a sufficient command of spoken and written English; (5) To be in good health, both physically and mentally, in order to complete the course  [1999-2002] (1) To be nominated by their respective Governments; (2) To be middle-class engineers in agricultural research institute or universities; (3) To be university graduates and above; (4) To have practical experience of more than 3 years in the field of agricultural engineering or agricultural technology in principle; (5) To be between 30 and 55 years of age in principle; (6) To have a sufficient command of spoken and written English; (7) To be in good health, both physically and mentally, in order to complete the course
Language of Instruction:	English
Training Institution(s):	The Bogor Agricultural University (Institut Pertanian Bogor: IPB)

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**Title: Telecommunication Outside Planet Construction Supervisory**

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Cooperation Period:	JFY 1998-2002
Purpose:	(1) To bring up versatile supervisors, who will be able to contribute to the huge expansion of high quality network by their proper instruction to constructors in the technical and managerial point of view; (2) To study or exchange information about the solution of problems; (3) To bring up instructors who will be able to teach technology concerning the outside plant construction
Course Contents:	(1) Basic technology — Outline of telecommunication network; Metallic and optical fiber cable transmission theory; Aerial cable structural dynamics; (2) OPS Engineering — Safety work management; Metallic and optic fiber cable design and construction method; Metallic and optic fiber cable final

## ■ INDONESIA ■

	test measurement; Aerial cable structural dynamics; Civil design and construction method; (3) Supervisory Management -- Outline of supervisor's job; OSP maintenance management; Construction progress management; Inspection method
Invited Country(s):	Bhutan; Cambodia; China; Laos; Maldives; Mongolia; Nepal; Pakistan; Philippines; Sri Lanka; Thailand; Fiji; Marshall Island; Micronesia; Papua New Guinea; Samoa; Ethiopia; Kenya; Malawi; Tanzania; Zimbabwe; Egypt; Jordan; Syria
Number of Participants:	Should not exceed 15 in total from the invited countries and not exceed 3 from Indonesia
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To have the educational background over high school; (3) To have over 3 years experience in the field of telecommunication outside plant engineering and construction; (4) To be preferably in age between 25 and approximately 40 years old; (5) To have the language ability of good oral and written command of English; (6) To be in good health, both physically and mentally, to complete the course; (7) Not to be serving in the military; (8) Not to be pregnant (As this course includes much field work that would be too demanding for pregnant women.)
Language of Instruction:	English
Training Institution(s):	Education and training Center of PT. TELEKOMUNIKASI INDONESIA (DIVLAT PT. TELECOM)

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**Title: ASEAN Course in Specialized Diagnostic Techniques on Poultry Diseases**

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Cooperation Period:	JFY 1996-2000
Purpose:	(1) To provide an avenue for the exchange of information and discussion in the pathological diagnoses of poultry diseases; (2) To merge field experience with laboratory diagnosis and seeks to contribute further to the control of diseases in livestock
Course Contents:	Tour of APDRTC; Plenary paper (Japanese expert/Malaysian); Scientific reports by participants; Field trip; Technical papers on diagnostic techniques
Invited Country(s):	Indonesia; Philippines; Thailand; Cambodia; Viet Nam
Number of Participants:	Should not exceed 10 in total from the invited countries and not exceed 4 from Malaysia
Qualification of Applicants:	(1) To be official veterinarians or livestock scientists with university qualifications nominated by their respective Governments; (2) To have working experience in diseases of livestock; (3) To have a good command of spoken and written English; (4) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	ASEAN Poultry Disease Research and Training Centre (APDRTC), Veterinary Research Institute

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**Title: PFP/APEC Course on Standards and Conformity Assessment Schemes**

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Cooperation Period:	JFY 1996-2000
Purpose:	To contribute to the development of industry and the liberalization and facilitation of trade and investment within APEC by providing the knowledge needed to establish and rationalize standards and conformity assessment schemes, and thus developing human resources on the administrative side which are responsible for these areas
Course Contents:	{Topics} Rules on establishment of standards and enforcement of rules; Promotion of conformance with international standards; Enactment of standards under WTO/TBT agreements; Methods of setting national standards based on international guidelines; Conformance assessment system; Actual system certification; Implementation of alignment; Implementation of conformance assessment system; Study visit to relevant Malaysian organizations or industries
Invited Country(s):	Indonesia; Philippines; Thailand; China; Korea; Papua New Guinea; Chile; Mexico
Number of Participants:	Should not exceed 24 in total from the invited countries and not exceed 3 from Malaysia (Approximately 3 persons per developing member economy may participate as trainees. If requested, the participation of more than 3 persons from a member economy may be considered depending on overall capacity.)
Qualification of Applicants:	(1) To be mid-level administrative officials of agencies or relevant standardization bodies in APEC member economies responsible for standards and conformance matters; (2) To have a good command of spoken and written English; (3) To be citizens of nominating economies; (4) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	Standard and Industrial Research Institute of Malaysia (SIRIM)

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**Title: Training on Enhancing Women's Economic Participation through Scaling-up of Micro Enterprises to Small-scale Enterprises**

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Cooperation Period:	JFY 1997-1999
Purpose:	To strengthen the capability of participants to prepare and offer training programmes targeting at women who are currently engaged in micro enterprises, to expand their production to become more viable and sustainable
Course Contents:	{Session Topics}(1) Women and development — Women, Families and households: global concern; Women's role in poverty eradication and family well being; Gender issues in development; Gender analysis framework; Women's potential: enhancing women's role and empowerment of women; Developing women entrepreneurs through scaling-up of micro enterprise; (2) Achievement motivation training — Self awareness; Value clarification; Management process a,b,c; Risk taking and decision making; Team work/ Team building; (3) Business opportunity identification — Business ideas; Choosing a product/service and selection criteria; Opportunity identification/potential product; Feasibility study; Information seeking exercises; Initial business plan; Field visit: micro enterprise in Selangor; (4) Facts findings and information gathering: consolidating resources — Initiative and persistence; Business idea; (5) Business opportunity identification — Initial business plan preparation and market survey; Product planning and product mix strategies; Costing and pricing; Environmental friendly products; Final business plan; Personal selling; Legal and statutory requirements;

## ■ MALAYSIA ■

(6) Financial Management — Basic business records; Profit and loss account; Balance sheet; Taxation - sale tax and income tax; Break-even point; Sources of money/funds Micro credits, small loans, Bank Loans; (7) Enterprise management skills --- Creative problem solving; Effective communication; (8) Formulating training program — Data collection methodologies for need identification, monitoring and evaluation; Methodologies for gender sensitive development planning; Approaches for training of trainers; Counseling, advising and mentoring

Invited Country(s):	Thailand; Philippines; Indonesia; Viet Nam; Cambodia; Laos; China; Bangladesh; Pakistan; Nepal; Sri Lank; Maldives; Iran; Fiji; Tonga; PNG; Micronesia; Bhutan; Mongolia
Number of Participants:	Should not exceed 14 in total from the invited countries and not exceed 2 from Malaysia
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be presently employed as trainers in training institutions, or engaged in extension services focusing on rural women and economic activities; (3) To be extension officers and/or community development workers (GOs and NGOs) who have been actively involved in implementing projects on micro enterprise activities to enhance the economic participation of women; (4) To have a sufficient command of spoken and written English; (5) To have working experience of at least 2 years; (6) To be in good health, both physically and mentally, to complete the course; (7) Not to be in the military service
Language of Instruction:	English
Training Institution(s):	University Putra Malaysia (UPM) and other relevant organizations

### **Title: International Seminar on Biotechnological Techniques in Tropical Medicine**

Cooperation Period:	JFY 1998-2000
Purpose:	To provide the participants from countries of the Asian and Pacific region with more advanced knowledge and expertise on specific biotechnological techniques in the field of tropical medicine
Course Contents:	(1) Isolation of total RNA; (2) Isolation of mRNA; (3) Construction of cDNA libraries; (4) Plating and screening of cDNA libraries; (5) Expression of fusion proteins; (6) Purification of fusion proteins; (7) Fusion protein based ELISA; (8) Review of course and group evaluation
Invited Country(s):	Bangladesh; Cambodia; China; Fiji; Indonesia; Kiribati; Laos; Maldives; Nauru; Nepal; Pakistan; Papua New Guinea; Philippines; Solomon Island; Sri Lanka; Thailand; Tonga; Vanuatu; Viet Nam; Samoa
Number of Participants:	Should not exceed 8 in total from the invited countries and not exceed 4 from Malaysia
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To have at least BSc degree in biological science or medical degree; (3) To have practical experience of more than 5 years in the field related to the course; (4) To be between 26 to 45 years of age; (5) To have a good command of spoken and written English; (6) To be in good health, both physically and mentally in order to complete the course
Language of Instruction:	English
Training Institution(s):	Institute for Medical Research (IMR)

### **Title: International Course on the Promotion of Healthy Environments in Urban Areas**

Cooperation Period:	JFY 1998-2000
Purpose:	To provide the participants from countries of the Asian and Pacific region with an opportunity to improve their knowledge and capability in the field of urban public health development, and the associated planning and management of physical and social environments of urban dwellers
Course Contents:	(1) Introduction to Malaysian approaches to urban environmental assessment management; (2) Methodologies for urban air quality management and noise pollution control/water supply, sanitation and water quality management/solid and hazardous waste management/Assessment and management of social issues; (3) Preparedness for and response to urban disasters, accidents, epidemics, emergencies; (4) Site visit
Invited Country(s):	Bangladesh; Bhutan; Cambodia; China; Fiji; India; Indonesia; Laos; Mongolia; Myanmar; Nepal; Pakistan; Philippines; Papua New Guinea; Sri Lanka; Thailand; Viet Nam
Number of Participants:	Should not exceed 15 in total from invited countries and not exceed 5 from Malaysia
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be presently engaged, or expected to be engaged in the future preferably in public health or urban planning programs; (3) To have practical experience of more than 5 years in public health or urban planning; (4) To be under 45 years of age; (5) To have a good command of spoken and written English; (6) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	The National Institute of Public Administration (INTAN)

**Title: Advanced Management in Civil Air Transport**

Cooperation Period:	JFY 1987-1999
Purpose:	To provide the participants, from developing countries, with an opportunity to refresh and upgrade relevant knowledge and techniques of modern management applied in the field of civil air transport
Course Contents:	(1) Civil air transportation; (2) Air traffic control; (3) Economic planning; (4) Finance; (5) Marketing; (6) Technical/operational; (7) Essential management skills; (8) Quantitative technique in management; (9) Customer services
Invited Country(s):	Indonesia; Malaysia; Mongolia; Bangladesh; Maldives; Nepal; Sri Lanka; Iran; Jordan; Qatar; Syria; Turkey; Yemen; Algeria; Egypt; Morocco; Tunisia; Ghana; Tanzania; Zimbabwe; Mauritius; Azerbaldjan; Turkmenistan
Number of Participants:	Should not exceed 18 in total from the invited countries and not exceed 4 from Pakistan
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be university graduates or to have equivalent academic qualification from a recognized college/university; (3) To have practical experience of more than 5 years in the field of civil air transport; (4) To be engaged in service in the said field at the middle management level or at lower echelons of senior management; (5) To be under 45 years of age; (6) To have good command of spoken and written English; (7) To be in good health, both physically and mentally, to complete the course; (8) To continue their respective occupations in civil air transport service for a reasonable period upon their return home
Language of Instruction:	English
Training Institution(s):	Pakistan International Airlines Training Centre

**Title: Operation and Maintenance of Construction Machinery**

Cooperation Period:	JFY 1995-1999
Purpose:	To provide the participants, from developing countries, with an opportunity to improve their knowledge and techniques in the field of operation and maintenance of construction machinery
Course Contents:	(1) Lecture — General information to construction machinery; Particulars/characteristics of construction machines; Machine cost and cycle time; Safety procedures; Workshop management technology; Fuel system and lubrication system; Cooling system and air system; Maintenance techniques of construction machinery; Different method used to prolong life of construction machinery; Modern trends in construction machinery; Undercarriage of construction machinery; Hydraulic system and functioning; Trouble shooting of construction machinery; Welding techniques used and types of welding; Engine fundamentals, Type and function of fuel pump; Clutch/torque converter; Factors affecting the selection of construction equipment; (2) Lecture demonstration — Electrical system and components; Electrical system functioning; (3) Practical — Use of measuring gauges; Stall test on dozer D85A; Undercarriage shop; Hydraulic work equipment performance; Welding Workshop; Operation of construction machinery; Calibration and phasing of injection pump; Full line demonstration of construction machines; Clutch/torque converter; (4) Study visit — Islamabad and surroundings
Invited Country(s):	Indonesia; Malaysia; Philippines; Bangladesh; Bhutan; Nepal; Sri Lanka; Iran; Jordan; Yemen; Morocco; Ethiopia; Ghana; Kenya; Tanzania; Uganda; Zambia; Zimbabwe; Central Africa; Mauritius
Number of Participants:	Should not exceed 20 in total from the invited countries
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be university/professional school graduates or to have equivalent qualification of civil/mechanical engineering; (3) To have practical experience of more than 5 years in the field of operation and maintenance of construction machinery; (4) To be under 40 years of age; (5) To have a good command of spoken and written English; (6) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	Construction Machinery Training Institute (CMTI)

## ■ PHILIPPINES ■

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### Title: Improvement of Occupational Safety and Health in Small and Medium-sized Enterprises

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Cooperation Period:	JFY 1996-2000
Purpose:	To provide the participants from Asian countries with an opportunity to upgrade their knowledge and techniques to improve occupational safety and health in small and medium-sized enterprises and contribute to the national occupational safety and health conditions in their respective countries
Course Contents:	Ergonomics; Materials storage and handling; Problem solving methods; Safety & health activities; Safety inspection of workplaces; Chemicals in the workplace control of hazardous substances; Control of noise and vibration; Welfare facilities; Occupational health in small and medium enterprises; Interpersonal skills development; Productivity concept and measurements; Skill development in photography; Preparation for microteaching; Introduction to activities of national plan of action
Invited Country(s):	Indonesia; Malaysia; Thailand; Viet Nam; China; Bangladesh; India; Pakistan; Sri Lanka
Number of Participants:	Should not exceed 18 in total from the invited countries and not exceed 2 from the government and industry of the Philippines; Allocation details will be described in General Information brochures (G.I.)
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) a) For government participant: To hold a senior level position, preferably labor inspector or technical official; b) For industry participant: To be a reputable and accredited safety and health practitioner with direct and active involvement in the occupational safety and health activities of their company/organization; c) For workers' representative: to belong to either a national or regional workers' organization; (3) To preferably be a trainer or have experience in training/facilitating in occupational safety and health or related fields; (4) To have practical experience of more than 2 years in the field of occupational safety and health; (5) To be more than 25 and under 50 years of age; (6) To have a good command of spoken and written English; (7) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	Occupational Safety and Health Center (OSHC)

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### Title: Laboratory Diagnosis of HIV Infection and Opportunistic Infections in AIDS

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Cooperation Period:	JFY 1997-2001
Purpose:	To provide opportunities for health care providers to enhance their knowledge and develop their technical skills in the diagnosis of HIV infection, and opportunistic infections in AIDS as well as strengthen international partnership among the Participants
Course Contents:	(1) Nature of HIV infection; (2) Epidemiology; (3) Counselling; (4) AIDS-related issues; (5) Laboratory methods — Screening tests; Supplemental tests; Nucleic acid-based tests; (6) Cost-effective approaches; (7) Infection control; (8) Overview of Opportunistic Infections; (9) Etiology and Laboratory procedures for the diagnosis of opportunistic infections — Bacteriology; Virology; Parasitic; Histopathology; Others
Invited Country(s):	Bangladesh; Cambodia; Fiji; India; Indonesia; Laos; Malaysia; Nepal; Papua New Guinea; China; Korea; Solomon Island; Sri Lanka; Thailand; Tonga; Samoa; Vanuatu; Viet Nam
Number of Participants:	Should not exceed 15 in total
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To have at least a B.S. degree in Medical Technology or its equivalent, M.D. or related profession; (3) To have work experience of at least 2 years in clinical microbiology and/or HIV laboratory; (4) To be involved in health research, training, management or diagnostic services and will continue to be engaged in the same activities after the completion of the course; (5) To be under 40 years of age; (6) To have a sufficient command of spoken and written English; (7) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	Research Institute for Tropical Medicine (RITM)

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### Title: Executives Forum on Urban Environment and Transport Development Management (EXETRAM)

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Cooperation Period:	JFY 1998-2002
Purpose:	(1) To provide the participants from the Asia-Pacific countries an opportunity to have a deeper understanding of the influence of transportation problems on the urban environment; (2) To enhance to their knowledge and skills about what transportation development management ought to be in order to improve the urban environment; (3) To strengthen international participants in solving urban environment problems as a common agenda of developing countries among the participants
Course Contents:	(1) Transportation policy planning; (2) Transportation project management and evaluation; (3) Skills in environmental impact assessment and monitoring; (4) Project development cycle



■ PHILIPPINES ■

Invited Country(s): Bangladesh; Cambodia; India; China; Indonesia; Laos; Malaysia; Nepal; Pakistan; Papua New Guinea; Sri Lanka; Thailand; Viet Nam

Number of Participants: Should not exceed 20 in total from the invited countries and not exceed 4 from Philippines

Qualification of Applicants: (1) To be nominated by their respective government; (2) To be more than 30 years of age; (3) To be university graduates; (4) To have practical experience of more than 5 years in the field of transportation; (5) To have working knowledge of English and to be in good health, both physically and mentally, to complete the course

Language of Instruction: English

Training Institution(s): National Center for Transportation Studies (NCTS), University of the Philippines (UP)

**Title: Advanced Telecommunications Outside Plant Technology (Fiber Optics)**

Cooperation Period: JFY 1998–2002

Purpose: To provide the participants from Asia-Pacific countries with an opportunity to upgrade their knowledge and techniques in the field of advanced telecommunications outside plant engineering focusing on optic fiber cable network technology

Course Contents: (1) Optical fiber fundamentals; (2) Fiber optic design and engineering; (3) Premises network design; (4) Fiber to the customer; (5) Aerial and underground fiber optic cable placing; (6) Splicing maintenance and testing; (7) Fiber optics cable; (8) Optical fiber connectors; (9) Distribution hardware (field observation)

Invited Country(s): Bangladesh; Cambodia; Fiji; China; India; Iran; Maldives; Nepal; Papua New Guinea; Pakistan; Sri Lanka; Laos; Viet Nam

Number of Participants: Should not exceed 13 in total from the invited countries and not exceed 3 from Philippines

Qualification of Applicants: (1) To be nominated by their respective governments; (2) To be telecommunication engineers or other professionals involved in the design, installation and maintenance of outside plant with practical experience of in the field of telecommunication outside plant; (3) To be technical university graduates or to possess equivalent ability and experience; (4) To be under 45 years of age; (5) Not to be serving for military; (6) To have a good command of English; (7) To be in good health, both physically and mentally, to complete the course

Language of Instruction: English

Training Institution(s): Telecommunications Training Institute (TTI)

## ■ SINGAPORE ■

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### Title: Effective Management of Port Operations

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Cooperation Period:	JFY 1990-1999
Purpose:	To provide participants with an overview of management and port operation in Singapore
Course Contents:	[Topics] Role and significance of ports in maritime transport; Shipping trends and their impact on ports; Legal liabilities of port operations; Navigation and traffic control; Management of conventional operations; Management of warehousing operations; Labor management; Concepts of containerization; Ship stowage planning; Container ship operations; Quay transfer operations; Container yard storage management and operations; Container receipt and delivery operations; Equipment and manpower allocation; Port policing and security; Fire prevention and pollution control; Port safety; Maintenance of port equipment; Port finance; Industrial relations; Principles of port planning and development; Computer applications; Marketing of port services; Port management in Japan
Invited Country(s):	Indonesia; Malaysia; Philippines; Thailand; Cambodia; Viet Nam; China; Bangladesh; India; Maldives; Sri Lanka; Fiji; Papua New Guinea; Solomon Islands; Tonga; Samoa; Mauritius; Palestine
Number of Participants:	Should not exceed 14 in total from the invited countries and not exceed 1 from Singapore
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To have a good command of spoken and written English; (3) To be holding managerial positions in their respective ports; (4) To be between 25 to 45 years of age; (5) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	Port of Singapore Authority (PSA)

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### Title: *Koban* System of Japan and Its Adaptation as the Neighborhood Police Post System in Singapore

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Cooperation Period:	JFY 1995-1999
Purpose:	To provide participants with an opportunity to learn about the Japanese <i>Koban</i> System and the NPP System in Singapore and the roles of these in community policing
Course Contents:	[Topics] The origin and concept of the <i>Koban</i> System in Japan; The roles/functions/ activities of <i>Kobans</i> ; Recent development in the concept of <i>Kobans</i> ; Singapore's approach to community policing; The conceptualization of the NPP system; The SPF's experience in modifying the <i>Koban</i> System to meet Singapore's policing needs; The roles/functions/activities of NPPS; The contribution of NPP's to policing. [Visits] SPF Units (Public Affairs Department, Traffic Police Department, Police Coast Guard, Land Division, NPP); NPA(Community safety Bureau, Tokyo Metropolitan Police Dept., <i>Koban</i> , Communication Center)
Invited Country(s):	Indonesia; Malaysia; Philippines; Thailand; Cambodia; Laos; Viet Nam; China; Mongolia; Bangladesh; India; Maldives; Nepal; Sri Lanka; Fiji; Papua New Guinea; Mauritius; Palestine
Number of Participants:	Should not exceed 18 in total from the invited countries and not exceed 3 from Singapore
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be senior policy-making officials of the rank of Superintendent of police and above, or its civilian equivalent; (3) To be under 50 years of age; (4) To have a good command of spoken and written English; (5) To be able to attend full course in Singapore and Japan; (6) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	Singapore Police Force (SPF); National Police Agency Japan (NPA)

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### Title: Intelligent Systems for Management Information Systems (MIS) Managers

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Cooperation Period:	JFY 1995-1999
Purpose:	To provide participants with an opportunity to acquire knowledge and techniques on intelligent systems
Course Contents:	Introduction to intelligent systems; Development and trends in the use of intelligent systems; Intelligent systems project life cycle; Intelligent systems identification methodology; Managing and participating in intelligent systems projects; Planning and formation of intelligent systems project team; Knowledge acquisition; Conceptualization and structuring of business knowledge; Knowledge representation; selection of intelligent systems tools; Prevailing technologies of intelligent systems; Intelligent system tool and application experience; Application areas of intelligent systems[Workshop] Expert systems; Case-based reasoning; Rule-based system
Invited Country(s):	Indonesia; Malaysia; Philippines; Thailand; Cambodia; Laos; Viet Nam; China; Mongolia; Bang-

	ladesh; Bhutan; India; Maldives; Nepal; Sri Lanka; Fiji; Papua New Guinea; Mauritius; Palestine
Number of Participants:	Should not exceed 20 in total from the invited countries
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To have more than 5 years of working experience in information technology; (3) To have practical experience of more than 2 years in IT management; (4) To be university graduates or to have equivalent academic background in computer science, engineering, science or mathematics; (5) To be under 50 years of age; (6) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	Japan-Singapore AI Center (JSAIC)

**Title: Mechatronic Systems Technology**

Cooperation Period:	JFY 1995-1999
Purpose:	To provide participants with an opportunity to develop essential application knowledge and skills in the various mechatronic technologies for the manufacturing environment
Course Contents:	[Topics] Overview and definition of mechatronic technology; Mechatronic technology and product development; Applications of mechatronic technology; Designing and manufacturing mechatronic products; CAD-CAM, manufacturing systems and peripherals; Industrial electronics; Robotics and machine vision; Control system and applications; Computer technology; Mechatronic training at Japan-Singapore Institute
Invited Country(s):	Indonesia; Malaysia; Philippines; Thailand; Cambodia; Laos; Viet Nam; China; Mongolia; Bangladesh; Bhutan; India; Maldives; Nepal; Sri Lanka; Fiji; Papua New Guinea; Mauritius
Number of Participants:	Should not exceed 20 in total from the invited countries
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To have practical experience of more than 3 years in the field of electronics or mechanical/manufacturing engineering; (3) To have a good command of spoken and written English; (4) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	Nanyang Polytechnic (NYP)

**Title: Advanced Management Consultancy II**

Cooperation Period:	JFY 1996-1999
Purpose:	(1) To equip participants with specialized consulting techniques and skills necessary to help them in their consulting work; (2) To strengthen participants' administrative acumen to better market and manage their consultancy services
Course Contents:	[Lectures 2 weeks] Productivity movement; Management of consultancy project; Productivity indicators; TQP, QCC & COQ; 5S/Company Visits; 7 wastes; Flowcharting techniques; Consulting techniques; Field practice using an integrated approaches [2 weeks]
Invited Country(s):	Indonesia; Malaysia; Philippines; Thailand; Cambodia; Laos; Viet Nam; Bangladesh; Nepal; Sri Lanka; Fiji; Palestine
Number of Participants:	Should not exceed 16 in total from the invited countries
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To possess a degree or equivalent professional qualification; (3) To be National Productivity Organization officers who are currently management consultants from consulting organizations with at least 3 years of work experience; (4) To be more than 30 years of age; (5) To have a good command of spoken and written English; (6) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	Singapore Productivity and Standards Board (PSB)

**Title: Environmental Management**

Cooperation Period:	JFY 1996-1999
Purpose:	To provide participants with an opportunity to enhance their capacity development in environmental management in their respective countries
Course Contents:	(1) Lectures — Environmental management; Environmental laws; Air pollution control; Water pol-

## ■ SINGAPORE ■

lution control; Hazardous and toxic waste management; Sewerage engineering; Solid waste management; (2) Industrial observation — Air pollution control equipment; Air pollution control monitoring stations; Chemical terminal; Licensed waste disposal facilities; Factories with pollution control equipment

Invited Country(s): Indonesia; Malaysia; Philippines; Thailand; Cambodia; Laos; Viet Nam; China; Bangladesh; India; Nepal; Pakistan; Sri Lanka; Fiji; Mauritius; Palestine; Malawi

Number of Participants: Should not exceed 20 in total from the invited countries

Qualification of Applicants: (1) To be nominated by their respective governments; (2) To possess a degree or equivalent professional qualification; (3) To be National Productivity Organisation officers who are currently Management Consultant from consulting organisation with at least 3 years of work experience; (4) To be more than 30 years of age; (5) To have a good command of spoken and written English; (6) To be in good health, both physically and mentally, to complete the course

Language of Instruction: English

Training Institution(s): Centre for environmental Training (CET), Ministry of Environment (MOE)

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### Title: Train-the-Trainers in Tourism Management

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Cooperation Period: JFY 1997–2001

Purpose: (1) To provide the participants with a sound foundation of the principles of human resource development (principles of adults learning and teaching/training); (2) To equip participants with a practical approach to assessing development needs, developing training programmes and conducting programme evaluation; (3) To introduce to the participants a tool-box of effective training methods. Participants will have designed a training package in their own training area in the hospitality industry using various audio-visual aids. In addition, participants will also be introduced to the potential use of IT and multimedia in the arena of training; (4) To visit Singapore hospitality and tourism operations and engage in dialogues with the host companies on training and development issues

Course Contents: (1) Introduction to learning theories; (2) Adult learner; (3) Experiential learning programme; (4) Training needs analysis; (5) Course design; (6) Course development; (7) Training methods; (8) Presentation skills; (9) Japanese expertise in tourism management; (10) Using technology for training; (11) Forum on manpower planning & development for the 21st Century; (12) Course evaluation

Invited Country(s): Cambodia; Fiji; India; Indonesia; Laos; Maldives; Mauritius; Mongolia; Nepal; Pakistan; Sri Lanka; Viet Nam

Number of Participants: Should not exceed 12 in total from the invited countries

Qualification of Applicants: (1) To be nominated by their respective governments; (2) To be mid-career government officials with at least 3 years of working experience, or in supervisory position in tourism and/or hospitality area; (3) To be above 30 and below 50 years of age; (4) To have a sufficient command of spoken and written English; (5) To be in good health, both physically and mentally, to complete the course

Language of Instruction: English

Training Institution(s): Temasek Polytechnic

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### Title: Aeronautical Information Services

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Cooperation Period: JFY 1997–2001

Purpose: To provide participants with the knowledge and skills required to function as Aeronautical Information Services Officers

Course Contents: (1) Functions of an international NOTAM office; (2) Promulgation of NOTAM/Co-ordinated Universal Time (UTC); (3) Screening and processing of in-coming NOTAM; (4) Promulgation of NOTAM checklist; (5) Maintaining in-coming and out-going NOTAM registers; (6) Pre-flight information bulletin; (7) Monthly plain language summary of NOTAM; (8) NOTAM delivery in Japan; (9) Automation of AIS; (10) AIP supplement; (11) AIRAC system; (12) Aeronautical Information Publication (AIP) and its amendments; (13) Description of various sections of AIP; (14) Selection of information required for the preparation of amendments; (15) Maintaining records of aeronautical documents; (16) Pre-flight briefing (documentary and oral presentation); (17) Wall displays and self-briefing boards; (18) Use of Aeronautical Fixed Service (AFS); (19) Aeronautical cartography; (20) Overview of CNS/ATM implementation

Invited Country(s): Bangladesh; Bhutan; Cook Islands; Fiji; Maldives; Marshall Islands; Mauritius; Papua New Guinea; Sri Lanka; Tuvalu; Vanuatu; Samoa

Number of Participants: Should not exceed 12 in total from the invited countries

Qualification of Applicants: (1) To be nominated by their respective governments; (2) To be above 25 and below 40 years of age;

(3) To be proficient in English; (4) To have more than 3 years practical experience and/or be in supervisory capacity; (5) To be in good health, both physically and mentally, to complete the course (For health reasons, we advise pregnant female applicants against applying for this course.)

Language of Instruction: English  
 Training Institution(s): Singapore Aviation Academy

**Title: Productivity Management**

Cooperation Period: JFY 1997–1999

Purpose: (1) To familiarize participants from the Southern African countries with productivity related concepts and relevant skills to quantitatively examine and assess productivity performances at the national, industry/sectoral and organisational level; (2) To learn a linkage between productivity and quality, including an integrated approach towards total quality management

Course Contents: (1) Understanding productivity concept -- Basic concept of productivity; Importance of productivity; Productivity movement and its impact on economy; (2) Productivity measurement & analysis-- productivity indicators and its classification; Evaluating productivity performance in the private and civil service sectors; Value added concept and its importance; Calculation (method) of value added- in both manufacturing and service industries (including exercises); Value added analysis (including exercises); Value added and physical productivity analysis (including exercises); Factors for improving productivity-5S, avoiding wastes, production control, ISO 9000, etc.; (3) Productivity-quality link -- Productivity-quality link (concept); Total quality process (TQP) and quality assurance; QC circle movement-- experience of QC circle movement in Singapore; (4) Observational study visits; (5) Presentation, discussion and evaluation

Invited Country(s): Angola; Botswana; Lesotho; Malawi; Mauritius; Mozambique; Namibia; South Africa; Swaziland; Tanzania; Zambia; Zimbabwe; Seychelles; Ghana; Congo

Number of Participants: Should not exceed 12 in total from the invited countries

Qualification of Applicants: (1) To be a mid-level officer of a national productivity organization or mid-level government officer in charge of productivity management with at least 3 years of related work experience; (2) To be of managerial level from a chamber of commerce with at least 3 years of related work experience in the field of productivity and quality management and improvement; (3) To be more than 30 years and under 50 years of age; (4) To be proficient in English; (5) To be in good health, both physically and mentally, to complete the course

Language of Instruction: English  
 Training Institution(s): Singapore Productivity and Standards Board (PSB)

## ■ SRI LANKA ■

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### Title: Information Systems Engineering

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Cooperation Period:	JFY 1998-2002
Purpose:	To provide the participants, from Asian and Pacific countries with an opportunity to improve their knowledge and techniques in the field of Information Systems Engineering
Course Contents:	(1) Software engineering; (2) Database technology; (3) Object oriented design; (4) Visual tools; (5) Client server development; (6) Multimedia and hypermedia characteristics; (7) Multimedia authoring tools; (8) Video, animation and sound processing; (9) Video animation; (10) Publishing on the internet
Invited Country(s):	Bangladesh; Bhutan; India; Maldives; Nepal; Pakistan; Indonesia; Thailand; Papua New Guinea; Fiji; Cook Island; Viet Nam; Cambodia; Laos; Myanmar
Number of Participants:	Should not exceed 15 in total from the invited countries and not exceed 5 from Sri Lanka
Qualification of Applicants:	(1) To be nominated by their respective government; (2) To be presently employed, or expected to be engaged in the future in the field of information systems engineering; (3) To have practical experience of more than 3 years in Programming Languages and System Designs; (4) To be under 40 years of age; (5) To have a good command of spoken and written English; (6) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	The Institute of Technology (ICT) of the University of Colombo

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**Title: Enhancing Women's Role in Rural Development**

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Cooperation Period:	JFY 1995-1999
Purpose:	(1) To provide the participants with comprehensive theoretical training, field and practical studies on various aspects of rural development with emphasis on enhancing women's role to improve rural household life; (2) To exchange views of women in rural development among participants
Course Contents:	(1) The course will be focused on principle and technique in improvement of farm household lifestyles, women's role in rural development and extension and communication methodology. (2) Workshop in development of extension packages for farm household improvement and development of an action plan will give the opportunity to develop understanding and to master the skill required for their effective implementation. (3) Field trips will be made to observe the study activity of various related organization in the rural areas:
Invited Country(s):	Indonesia; Malaysia; Philippines; Cambodia; Laos; Viet Nam; China; Bangladesh; Nepal; Pakistan; Sri Lanka; Kanya
Number of Participants:	Should not exceed 17 in total from the invited countries and not exceed 3 from Thailand
Qualification of Applicants:	(1) To have completed at least, a college graduate or to have the equivalent academic background; (2) To be engaged in community forestry development or re-afforestation project; (3) To have the practical experience of preferable, more than 3 years; (4) To be under 40 years of age; (5) To be nominated by their governments (the central agency acting for the requesting government or the national focal point that is assigned by such government to conduct particular purposes); (6) To have a good command of spoken and written in English (In case English is not their countries' official language, the English certificates of candidates should also be submitted for consideration.); (7) To be in good health, both physically and mentally, to complete the course (Pregnancy is regarded as a disqualifying condition for participation in the course.); (8) To have a health certificate issued by the authorized physician
Language of Instruction:	English
Training Institution(s):	National Agricultural Extension and Training Center (NAETC), Kasetsart University, Ministry of University Affairs

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**Title: Sustainable Agricultural Production in the Tropics for Cambodia, Laos and Viet Nam**

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Cooperation Period:	JFY 1995-1999
Purpose:	To share and exchange experiences concerning various problems in relation to agriculture in Cambodia, Lao PDR and Vietnam, and also contributes toward the realization of resources and environment by providing knowledge and techniques required
Course Contents:	(1) General concept of sustainable agricultural production; (2) Existing farming system and technical aspects of sustainable agricultural production; (3) Preservation of resources and environment; (4) Evaluation of present situation; (5) Planning of agricultural and rural development for sustainable agricultural production; (6) Political measures for sustainable agricultural production; (7) Country report Presentation; (8) Field trip
Invited Country(s):	Cambodia; Laos; Viet Nam
Number of Participants:	Should not exceed 18 in total from the invited countries and not exceed 2 from Thailand
Qualification of Applicants:	(1) To be governmental or semi-governmental officers who are engaged in agricultural development, including the ones responsible for research, or agriculture and rural development, or extension work; (2) To be university graduate with the job experience of 5 years or its equivalent; (3) To be under 45 years of age; (4) To be nominated by their governments (the central agency acting for the requesting government or the national focal point that is assigned by such government to conduct particular purposes); (5) To have a good command of spoken and written in English (In case English is not their countries' official language, the English certificates of candidates should also be submitted for consideration.); (6) To be in good health, both physically and mentally, to complete the course (Pregnancy is regarded as a disqualifying condition for participation in the course.); (7) To have a health certificate issued by the authorized physician
Language of Instruction:	English
Training Institution(s):	National Agricultural Extension and Training Center (NAETC), Kasetsart University, Ministry of University Affairs

## ■ THAILAND ■

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### Title: Sustainable Highland Agriculture Development

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Cooperation Period:	JFY 1996-2000
Purpose:	To provide the participants with an opportunity to improve their knowledge and techniques on highland agriculture, in order to contribute to the promotion of sustainable highland agriculture development Asian Countries
Course Contents:	(1) General concept of sustainable highland agriculture development; (2) Various aspects of highland development and natural resources management; (3) Field crop production; (4) Horticulture crop production; (5) Post harvest technology; (6) Livestock and crop-livestock production system; (7) Plant protection; Integrated pest management; (8) Agroforestry (Forest farming system); (9) Highland agriculture extension and rural development; (10) Field practices, exercises and excursions; (11) Workshop and course evaluation
Invited Country(s):	Cambodia; Laos; Viet Nam; China; Bhutan; Nepal
Number of Participants:	Should not exceed 18 in total from the invited countries and not exceed 2 from Thailand
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To have professional experience of more than 5 years in highland agriculture development, or in a related field; (3) To be in professional position with tasks related to the subject of the course and through which dissemination of the acquired knowledge can be expected; (4) To be under 45 years of age; (5) To have a good command of spoken and written English; (6) To be in good health, both physically and mentally, to complete the course (Pregnancy is regarded as a disqualifying condition for participation in the course.); (7) To have a health certificate issued by the authorized physician
Language of Instruction:	English
Training Institution(s):	Chiang Mai University (CMU), Ministry of University Affairs

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### Title: Irrigation System Management for Sustainable Development

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Cooperation Period:	JFY 1996-2000
Purpose:	To provide the participants with an opportunity to improve their knowledge and techniques on water management from river basin to on-farm, in order to contribute to the improvement of irrigation system management for sustainable development in Asian countries
Course Contents:	(1) General information of irrigation; (2) Water availability and water demand estimation and water delivery planning; (3) Water management technique; (4) Utilization of computer for an efficient water management; (5) Environment aspects in irrigation system management; (6) Discussion on irrigation system management; (7) Field observation
Invited Country(s):	Indonesia; Malaysia; Philippines; Cambodia; Laos; Viet Nam; China; Bangladesh; Bhutan; India; Nepal; Pakistan; Sri Lanka; Malawi
Number of Participants:	Should not exceed 22 in total from the invited countries and not exceed 3 from Thailand
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be under 45 years of age; (3) To be university graduates, or to have the equivalent academic background; (4) To be in charge of irrigation water management; (5) To have practical experience of more than 5 years in a relative field; (6) To have a good command of spoken and written English; (7) To be in good health, both physically and mentally, to complete the course (Pregnancy is regarded as a disqualifying condition for participation in the course.); (8) To have a health certificate issued by the authorized physician
Language of Instruction:	English
Training Institution(s):	Royal Irrigation Department (RID)

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### Title: APEC/PFP Course on Management of Industrial Property Rights

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Cooperation Period:	JFY 1996-2000
Purpose:	(1) To establish a deeper understanding of the establishment and management of industrial property rights systems by developing human resources to meet international obligations with respect to industrial rights protection; (2) To promote the administrative automation of application processing and formality examination
Course Contents:	(1) Lecture — Overview of industrial property rights system (focusing on patents and utility models); Design/trademarks system; Outline of the TRIPS Agreement; Current topics such as protection of software-related invention; (2) Case study — TRIPS implementation in industrialized economies; Law reform for TIPS; TRIPS implementation in industrialized/developing economies; Industrial property rights protection system; (3) Workshop — Automation concept for patent and trademark administration; Outline of design/trademark administration; Latest trends in computer aided tech-



	niques; Application database (master file) creation functions; Updating application database; Master file utilization functions
Invited Country(s):	APEC member economies classified under Part I of the DAC List of Aid Recipients (Indonesia; Malaysia; Philippines; China; Korea; Papua New Guinea; Chile; Mexico). APEC member economies progressing to Part II of the DAC List of Aid Recipients in 1996 and 1997 (Brunei; Singapore; Hong Kong; Taipei) are requested to bear their own traveling expenses and other cost deriving from the participation in the course.
Number of Participants:	Should not exceed 24 in total from the invited countries and not exceed 3 from Thailand (Approximately 3 persons per developing member economy may participate. If requested, the participation of more than 3 persons may be considered depending on overall capacity. Participants can opt to participate in both parts of the course, or choose to participate in just one of the two parts.)
Qualification of Applicants:	(1) To be officials of governmental agencies responsible for industrial property rights in APEC member economies; (2) To have a good command of spoken and written English; (3) To be citizens of nominating countries; (4) To be in good health, both physically and mentally, to complete the course (Pregnancy is regarded as a disqualifying condition for participation in the course.); (5) To have a health certificate issued by the authorized physician
Language of Instruction:	English
Training Institution(s):	Technical & Planning Division, Department of Intellectual Property (DIP), Ministry of Commerce

**Title: APEC/PFP Course on Competition Policy**

Cooperation Period:	JFY 1996-2000
Purpose:	To develop human resources capable of establishing as well as effectively managing competition policy and law, in order to establish an environment enabling fair and free competition and to contribute to the liberalization and facilitation of trade and investment
Course Contents:	Economic and legal theory of competition policies/laws; Objectives, role and operation of competition policies/laws; International development of competition policy; Economic globalization and competition policies/laws; International development of competition policy / Discussion in international fora; Competition policies/laws from business' viewpoint; International development of competition policy; Development of member economies' competition policies/laws
Invited Country(s):	APEC member economies classified under Part I of the DAC List of Aid Recipients (Indonesia; Malaysia; Philippines; China; Korea; Papua New Guinea; Chile; Mexico). APEC member economies progressing to Part II of the DAC List of Aid Recipients in 1996 and 1997 (Brunei; Singapore; Hong Kong; Taipei) are requested to bear their own traveling expenses and other cost deriving from the participation in the course.
Number of Participants:	Should not exceed 24 in total from the invited countries and not exceed 3 from Thailand (Approximately 3 persons per developing member economy, who are director general level or deputy director general level of agencies responsible for the execution of competition policy in member economies, may participate. If requested, the participation of more than 3 would be considered depending on overall capacity.)
Qualification of Applicants:	(1) To be nominated by their governments (the central agency acting for the requesting government or the national focal point that is assigned by such government to conduct particular purposes); (2) To have a good command of spoken and written in English (In case English is not their countries' official language, the English certificates of candidates should also be submitted for consideration.); (3) To be in good health, both physically and mentally, to complete the course (Pregnancy is regarded as a disqualifying condition for participation in the course.); (4) To have a health certificate issued by the authorized physician
Language of Instruction:	English
Training Institution(s):	Department of Internal Trade (DIT), Ministry of Commerce

**Title: Water Supply Technology**

Cooperation Period:	1997-2001
Purpose:	To provide the participants from countries in the Asia-Pacific region with an opportunity to upgrade relevant techniques and knowledge in the field of water supply technology
Course Contents:	(1) Lecture (NWTTI Bangkok) — Water resources management and facilities; Water treatment; Water quality control; Water distribution system; Process instrumentation; Selection of pump and valve; Underground leakage detection; Productive maintenance concept; Rural water supply system management; Project cycle; Environmental impact assessment; (2) Practice (NWTTI Bangkok) — Mini plant operation and laboratory; Underground leakage detection; Pump operation and control; Process instrumentation; (3) Field study (Regional Training Center [Khon Kaen]) — Slow sand

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filtration plant; Water meter, PB and PE pipe factories; Trunk main and distribution main installation; Water meter installation; Water treatment plant; Rural water supply system; Water distribution system; Cultural trip; Service station; East water resources development and management; Raw water intake

Invited Country(s):	Cambodia; Indonesia; Malaysia; Philippines; Pakistan; Laos; Viet Nam; Sri Lanka; Bangladesh; Nepal; Papua New Guinea; Bhutan; Fiji; Samoa
Number of Participants:	Should not exceed 18 in total from the invited countries and not exceed 2 from Thailand
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be not over 40 years of age; (3) To be university graduates in Engineering or Sciences, or to have the equivalent academic background; (4) To have practical experience of more than 5 years in the field of water supply engineering, management, or planning; (5) To have a good command of spoken and written English; (6) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	National Waterworks Technology and Training Institute (NWTTI)

### **Title: Regional Training Course on Effective Countermeasures against Drug Offenses and Advancement of Criminal Justice Administration**

Cooperation Period:	JFY 1997-2000
Purpose:	To conduct an overall examination and evaluation of the problems of drug production, abuse, trafficking and the handling of the profits, prevention and control of narcotics and mutual legal assistance in Asian countries and the Pacific region with analysis both in theory and fact, as well as the planning of feasible and effective regional solutions
Course Contents:	(1) Actual situation on illicit drug trafficking and effective countermeasures against drug offenses; (2) Subject presented by UNAFEI experts; (3) Implementation of the 1988 UN Convention against illicit traffic in narcotic drugs and psychotropic substances; (4) Mutual legal assistance; (5) Financial investigation; (6) Asset forfeiture; (7) Treatment of drug offenders; (8) Controlled delivery; (9) Precursors and chemical control; (10) International cooperation against drug trafficking
Invited Country(s):	India; Indonesia; Malaysia; Philippines; China; Pakistan; Cambodia; Laos; Viet Nam; Singapore; Sri Lanka; Bangladesh; Nepal; Papua New Guinea; Korea
Number of Participants:	Should not exceed 18 in total from the invited countries and not exceed 2 from Thailand
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be under 50 years of age; (3) To be university graduates, or to have the equivalent academic background; (4) To be presently engaged in judicial administration of drug offenses, or other responsibilities relating to the prevention and control of drug offenses; (5) To have practical experience of more than 5 years in a related field; (6) To be senior officials; (7) To have a good command of spoken and written English; (8) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	Office of the Narcotics Control Board (ONCB)

### **Title: Diagnostic Technology and Control Measures for Major Livestock Diseases**

Cooperation Period:	JFY 1997-2001
Purpose:	(1) To provide the participants an opportunity to improve and strengthen their diagnostic technology and control measures for major livestock infectious diseases, focusing on bovine and swine diseases in order to increase livestock production; (2) To create the better coordination and cooperation for animal disease control measures among Asian countries
Course Contents:	(1) Introduction — General concept of major livestock diseases; Laboratory diagnostic methods; Topic diseases and new technology; Disease control measures; (2) Diagnosis and control measures for three major diseases — Diagnostic methods of major viral, bacterial and parasitic diseases of bovine and swine; a) specimen collection and preparation; b) techniques for antigen detection and identification; c) serological diagnosis; d) introduction to new diagnostic technology; Disease surveillance and control measures; (3) Field trip — Livestock farms and breeding center; Quarantine station; Regional veterinary research and diagnostic center; (4) Discussion and evaluation
Invited Country(s):	Bangladesh; Bhutan; Cambodia; China; Indonesia; Laos; Malaysia; Mongolia; Myanmar; Nepal; Philippines; Sri Lanka; Viet Nam
Number of Participants:	Should not exceed 15 in total from the invited countries and not exceed 3 from Thailand
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be official veterinarians or scientists currently working in the field of animal disease diagnosis at the laboratory level; (3) To have practical experience of more than 3 years in the said field; (4) To be under 45 years of age, as a rule; (5) To

have a good command of spoken and written English; (6) To be in good health, both physically and mentally, to complete the course

Language of Instruction: English  
 Training Institution(s): National Institute of Animal Health (NIH), Department of Livestock Development (DLD), Ministry of Agriculture and Cooperatives

**Title: Advanced Telecommunications Technology**

Cooperation Period: JFY 1998–2002  
 Purpose: To provide the participants from the Asia-Pacific and African countries with an opportunity to upgrade their comprehensive theoretical/practical knowledge and experiences in the field of telecommunications technology with emphasis on the latest technology  
 Course Contents: (1) Data communication engineering; (2) Digital signal processing; (3) Information technology; (4) Trunked radio system; (5) Waveform coding; (6) Spread spectrum communication; (7) ISDN technology; (8) Optical fiber network; (9) Phonic communication; (10) Microwave system; (11) Antenna theory; (12) Telephone traffic; (13) International satellite communication; (14) Personal communication network; (15) Digital satellite broadcasting data compression  
 Invited Country(s): Bangladesh; Bhutan; Cambodia; China; Fiji; Indonesia; Iran; Laos; Maldives; Mauritius; Malawi; Nepal; Pakistan; Papua New Guinea; Philippines; Solomon Islands; Sri Lanka; Samoa; Vanuatu; Viet Nam; Zambia  
 Number of Participants: Should not exceed 22 in total from the invited countries and not exceed 5 from Thailand  
 Qualification of Applicants: (1) To be nominated by their respective governments; (2) To hold a diploma in science or engineering and/or an associated degree; (3) To have the practical experience of at least 5 years in the field of telecommunications technology; (4) To be senior engineer or manager level; (5) To be under 45 years of age in principle; (6) To have a good command of spoken and written English; (7) To be in good Health, both physically and mentally, to complete the course  
 Language of Instruction: English  
 Training Institution(s): King Mongkut's Institute of Technology Ladkrabang (KMUTL)

**Title: Master's Degree Programme in Primary Health care Management (M.P.H.M.)**

Cooperation Period: JFY 1998–2002  
 Purpose: To develop leadership and enhance knowledge, skills and experience in Primly Heath Care (PHC) planning, programming and management among health personnel and other related field.  
 Course Contents: (1) Health service management; (2) Epidemiological studies in health systems; (3) Health economics; (4) Socio-economic and cultural perspectives in PHC; (5) Primary health care and quality of life development; (6) Management of health information  
 Invited Country(s): Bangladesh; Bhutan; Cambodia; China; India; Indonesia; Laos; Malaysia; Nepal; Pakistan; Papua New Guinea; Philippines; Sri Lanka; Viet Nam  
 Number of Participants: Should not exceed 12 in total from invited countries and not exceed 4 from Thailand  
 Qualification of Applicants: (1) To be nominated by their respective governments; (2) To hold a M.D., D.D.S., D.V.M. and/or co-medical science degree from an accredited school; (3) To have practical experience at least 3 years in the field of PHC; (4) To be engaged in PHC; (5) To be under 45 years of age; (6) To have a good command of spoken and written English; (7) To be in good health to complete course  
 Language of Instruction: English  
 Training Institution(s): ASEAN Institute for Health Development (AIHD), Faculty of Graduate Studies, Mahidol University and Ministry of Public Health

**Title: Reforestation and Extension Techniques for Lao Foresters**

Cooperation Period: JFY 1998–2000  
 Purpose: To provide the participants from Laos PDR with an opportunity to improve the techniques of reforestation, forest management, extension and the sustainable utilization of forest, in order to contribute to encourage local people's reforestation activities in the context of community development  
 Course Contents: (1) Introduction; (2) Lecture on extension techniques; (3) Reforestation techniques; (4) Practice; (5) Field trip; (6) Plan of action; (7) Evaluation

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- Invited Country(s): Laos
- Number of Participants: Should not exceed 15 from Laos and not exceed 3 from Thailand
- Qualification of Applicants: (1) To be nominated by the Government of Laos; (2) To be not over 48 years of age; (3) To have practical experience of more than 5 years in the field of forestry practice; (4) To be in good health, both physically and mentally, to complete the course
- Language of Instruction: Thai and Lao
- Training Institution(s): The Royal Forest Department (RFD), the Government of the Kingdom of Thailand

**Title: International Seminar on Fisheries**

Cooperation Period:	JFY 1996–2000
Purpose:	To provide the participants from Latin American countries with an opportunity to improve their knowledge in the field of fisheries through understanding of methods and techniques related to electronics equipment, midwater trawling supported by new technology, and on-board fish processing which ensures worldwide acceptance of fish products
Course Contents:	Tour (INIDEP, fish port and shipyard); Tour (fish processing plant); Conference "Aquaculture"; Seminar on fishing gear and methods; Seminar on fish processing technology; Conference "Marine pollution"; Discussion on marine pollution; Conference "Marine law"
Invited Country(s):	Mexico; Brazil; Chile; Colombia; Ecuador; Peru; Uruguay; Venezuela
Number of Participants:	Should not exceed 16 in total from the invited countries and not exceed 2 from Argentina
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be a professor or instructor at a fishing school or similar institute, or to have more than 3 years practical experience of teaching in the field of fisheries; (3) To be graduated from high school or to have an equivalent academic background; (4) To be under 50 years of age; (5) To have a good command of spoken Spanish; (6) To be citizens of the invited countries; (7) To be in good health, both physically and mentally, in order to complete the Seminar.
Language of Instruction:	Spanish
Training Institution(s):	Escuela Nacional de Pesca (ENSP)

**Title: Diagnosis and Research on Domestic Animal Diseases**

Cooperation Period:	JFY 1996–2000
Purpose:	To provide the participants from Latin American countries with an opportunity to improve their knowledge and techniques in the field of diagnosis and research on domestic animal diseases
Course Contents:	Immunology—Basic modern knowledge in the field of immunology; Biochemistry—Molecular structure and behavior of lipids; Laboratory animals—International definition and classification of rats and mice; Microbiology—Diagnosis of bacterial diseases in domestic animals; Virology—Pathogenesis of viral diseases; Parasitology—Pathogenesis, immune response, epidemiology, prevention and diagnosis of Toxoplasmosis, Babesiosis and Neosporosis; Genetics—General concepts about organization of genetic material and chromosome structure; Pathology—Trends in veterinary pathology; Physiology—Mineral metabolism in ruminants; CEDIVE—Practical approaches to diagnosis and control in field cases in ruminants
Invited Country(s):	Mexico; Nicaragua; Bolivia; Brazil; Chile; Ecuador; Paraguay; Uruguay
Number of Participants:	Should not exceed 12 in total from the invited countries and not exceed 3 from Argentina
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be university graduates in veterinary science (veterinarian), or to have equivalent academic background; (3) To be engaged in diagnosis and/or research on domestic animal diseases; (4) To have experience of more than 2 years in the related field; (5) To be under 40 years of age, and to have a good command of spoken Spanish; (6) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	Spanish
Training Institution(s):	University of La Plata

**Title: Regional Training Course on the Railways Modernization and Electrification in Latin America**

Cooperation Period:	JFY 1998–2002
Purpose:	To provide the participants from Latin American countries with an opportunity to improve their knowledge and techniques in the field of railways modernization including electrification, thorough lectures and practices
Course Contents:	(1) Traction dynamics; (2) Signaling systems and their operation; (3) Telecommunications systems; (4) Visit to railway installation; (5) Energy and transport; (6) Railway Track; (7) Electric traction motor; (8) Electric rolling stock; (9) Diesel rolling stock; (10) Visit to a rolling depot; (11) Maintenance of 1) Electric traction control 2) Diesel traction techniques; (12) Electric traction substations; (13) Running curves; (14) Energy captation systems; (15) Weight transport; (16) Visit to a factory
Invited Country(s):	Bolivia; Brazil; Chile; Costa Rica; Cuba; Mexico; Peru; Uruguay; Venezuela
Number of Participants:	Should not exceed per a year 12 from the invited countries and not exceed 2 from Argentina

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**Qualification of Applicants:** (1) To be nominated by their respective governments; (2) To be electrical engineers or electric mechanical engineers, and to be university graduates, or to have equivalent academic background; (3) To have practical experience of more than 3 years in administration of railway or in railway technique; (4) To be presently engaged, or expected to be engaged in the future in planning of railways construction or improvement of railways system; (5) To have fundamental knowledge with respect to electric railway and its operation planning; (6) To be under 50 years of age; (7) To have a good command of spoken Spanish; (8) To be in good health, both physically and mentally, to complete the course

**Language of Instruction:** English and Spanish

**Training Institution(s):** The National Railway Training Center (CENACAF)

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### **Title: Latin American Course on Plasma Processing of Materials**

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**Cooperation Period:** JFY 1998-2002

**Purpose:** To provide the participants from Latin American countries with an opportunity to improve their knowledge and techniques in the field of plasma processing of materials, and to contribute the quality improvement in industrial fields of this area

**Course Contents:** (1) Introduction of plasma processing of materials; (2) Outline of plasma; (3) Detail of plasma; (4) Lecture, practice, and discussion related to surface modification; (5) Characterization of thin film formed by plasma process; (6) Lecture "the future of plasma processing of materials"; (7) Discussion; (8) Visit industries

**Invited Country(s):** Brazil; Chili; Colombia; Mexico; Peru; Uruguay; Venezuela

**Number of Participants:** Should not exceed 16 per a year from the invited countries and not exceed 4 from Argentina

**Qualification of Applicants:** (1) To be nominated by their respective governments; (2) To be university graduates, or to have equivalent background; (3) To be presently engaged in plasma processing of materials, or planned to be; (4) To have experience of more than 2 years in related fields; (5) To be under 40 years of age; (6) To have a good command of spoken Spanish; (7) To be in good health, both physically and mentally, to complete the course

**Language of Instruction:** English and Spanish

**Training Institution(s):** The Argentine Atomic Energy Commission (CNEA)

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**Title: Forest Watershed Management**

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Cooperation Period:	JFY 1990-1999
Purpose:	To provide the participants from Latin American Countries and Portuguese speaking African countries with an opportunity to update knowledge, upgrade methods and techniques related with biophysical environment, to transfer technology in the fields of Forest Watershed Management
Course Contents:	Vegetation mapping; Geomorphology/geology; Floristic/phytosociology; Legislation and planning; Practicum — Joint-zoning; Rain interception; Streamflow; Hydrological cycle/Hidric balance; Generation of streamflow in forested watershed; Forestry management water quantity; Water in the soil; Geology/Gomorphology; Vegetation mapping and soil use; Vegetation recoverage; Visit to Fazenda Cananóia/Watershed of the Agua da Cachoeira River; Forestry nurserie; Meteorological tower; Hydrology (Plots/information); Erosion control; Hydrology; Elaboration of management plain to watershed Agua da Cachoeira; Elaboration of management plain to watershed Agua da Cachoeira; Micro-watersheds of São Paulo/Paraná
Invited Country(s):	Argentina; Bolivia; Chile; Colombia; Ecuador; Paraguay; Peru; Uruguay; Venezuela; Cape Verde; Mozambique
Number of Participants:	Should not exceed 11 in total from the invited countries and not exceed 3 from Brazil
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be university graduates or to have the equivalent academic background; (3) To be engaged in forest field; (4) To have practical experience of, preferably, more than 2 years in the field concerned; (5) To be under 40 years of age in principle; (6) To have the ability to follow the Course Conducted in Portuguese; (7) To be citizen of the nominating countries; (8) To be in good health, both physically and mentally, to attend and to complete the course
Language of Instruction:	Portuguese
Training Institution(s):	Forestry Institute of São Paulo State

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**Title: Vegetable Crops Production**

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Cooperation Period:	JFY 1995-1999
Purpose:	To provide the participants from Latin American countries and Portuguese speaking African Countries with an opportunity to improve their knowledge and techniques in the field of vegetable crops production
Course Contents:	Lecture — General view of vegetable production in Brazil; Vegetable production; Entomology - arthropoda associated to vegetables; Tomato production technology; Sweet potato production technology; Broccoli, Cabbage and Cauliflower production technology; Cucumber, melon, squash and watermelon production technology; Carrot production technology; Sweet pepper production technology; Vegetable marketing; Post-harvest technology; Introduction to plant breeding; Seed production technology
Invited Country(s):	Dominican Republic; El Salvador; Guatemala; Honduras; Nicaragua; Panama; Bolivia; Colombia; Ecuador; Paraguay; Peru; Uruguay; Venezuela; Angola; Mozambique
Number of Participants:	Should not exceed 12 in total per year from the invited countries and not exceed 3 from Brazil
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be university or college graduates in the field of agriculture, or to have equivalent academic background; (3) To be engaged, or expected to be engaged in the field of extension on vegetable crops production; (4) To have practical experience of more than 1 year in the field of vegetable crops production; (5) To be under 40 years of age; (6) To have a good command of spoken and written Portuguese or Spanish; (7) To be in good health, both physically and mentally, complete the course
Language of Instruction:	Portuguese
Training Institution(s):	Centro Nacional de Pesquisas de Hortaliças (CNPq) of EMBRAPA

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**Title: Tropical Diseases**

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Cooperation Period:	JFY 1996-2000
Purpose:	To provide the participants from Latin American countries and Portuguese speaking African countries with an opportunity to improve their knowledge and techniques in the field of tropical diseases
Course Contents:	Culture and tropical diseases; Public health policies and tropical diseases; Tropics and tropical diseases; Medicine and tropical diseases; Epidemiology and tropical diseases; Biology and tropical diseases; New scientific approach and tropical diseases; The future of the tropical diseases; Amoebiasis; Virus; Bacteria; Fungus; Leishmaniasis; Schistosomiasis; Ultrastructure in parasite diseases; Filariasis; Immunodiagnosis in tropical diseases; Chagas' diseases; Computing skills and tropical diseases

## ■ BRAZIL ■

Invited Country(s):	Dominican Republic; El Salvador; Guatemala; Honduras; Nicaragua; Panama; Bolivia; Colombia; Ecuador; Paraguay; Peru; Uruguay; Venezuela; Angola; Mozambique; São Tomé and Príncipe
Number of Participants:	Should not exceed 13 in total per year from the invited countries and not exceed 2 from Brazil
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be university graduates in medicine, veterinary medicine, biology or pharmacy, or to have equivalent academic background; (3) To be engaged in tropical diseases research; (4) To have experience of more than 3 years in the field concerned; (5) To be under 40 years of age; (6) To have a good command of spoken and written Portuguese or Spanish; (7) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	Portuguese
Training Institution(s):	Laboratório de Imunopatologia Keizo Asami of the Universidade Federal de Pernambuco (LIKA/UFPE)

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### Title: International Training Course on Factory Automation Systems

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Cooperation Period:	JFY 1997-2001
Purpose:	To provide the participants from Latin American countries with an opportunity to improve their knowledge and techniques in the field of factory automation systems
Course Contents:	(1) Design, Manufacturing, engineering and test aided computer-CAD/CAM/CAE/CAT -- Introduction to CAD/CAM; CAD bidimensional; CAD tridimensional; CAD/CAM practice; Computer Aided Engineering (CAE); Computer Aided Testing (CAT); (2) Computerized Numerical Control (CNC) -- Introduction to CNC; Cutting technology for CNC machines; Lathe CNC programming using EIA/ISO code; CNC lathe practice; CNC machining center programming using EIA/ISO code; CNC machining center; (3) Flexible Manufacturing System (FMS) -- FMS fundamentals; Manufacturing process; Computer simulation; Production; (4) Automatic control -- Programmable logic controller (PLC); Sensor; Motor control; Hydraulic and pneumatic control; (5) Study trip and report
Invited Country(s):	Argentina; Bolivia; Chile; Colombia; Peru; Uruguay; Mexico; Paraguay; Venezuela; Ecuador; Panama; Costa Rica
Number of Participants:	Should not exceed 12 in total from the invited countries and not exceed 4 from Brazil
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be presently engaged in vocational training in mechanical area at a vocational training center, junior college, university, research institute or public industry; (3) To be university graduates or to have the equivalent academic background with at least 5 years of occupational experience in mechanical area; (4) To be not less than 21, and not more than 40 years of age; (5) To have a sufficient command of spoken and written Portuguese; (6) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	Portuguese
Training Institution(s):	Manufacturing Automation Center of SENAI/São Paulo

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### Title: Strengthening on the Most Advanced Gastroenterological Diagnosis Training Course

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Cooperation Period:	JFY 1998-2002
Purpose:	To provide the participants from the Latin American and Portuguese speaking African countries with an opportunity to improve their knowledge and techniques in the field of gastroenterological diagnosis
Course Contents:	(1) Principle and technique of gastroenterological endoscopies; (2) Endoscopic examination methods and therapeutic techniques of choledochopaucreatic diseases cooperated with endoscopic ultrasonography; (3) Ultrasonographic examination technique associated with x-ray and CT observations; (4) Macro and micropathologies on gastroenterological diseases; (5) Bacterio and mycologic aspects on gastroenterologic disorders, especially due to helicopadter pylori and HIV infections
Invited Country(s):	Argentina; Angola; Bolivia; Cape Verde; Colombia; Costa Rica; Ecuador; El Salvador; Guinea-Bissau; Mozambique; Nicaragua; Panama; Paraguay; Peru; Sao Tome and Principe; Uruguay; Venezuela
Number of Participants:	Should not exceed 12 in total from the invited countries and not exceed 3 from Brazil in total 15
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be university graduates specialized in clinical medicine or those who have fully equivalent technical knowledge and experiences in the field; (3) To be presently engaged in gastroenterological section of clinic; (4) To have more than 3 years of practical experience; (5) To be under 40 years of age; (6) To have a sufficient command of spoken and written Portuguese or Spanish; (7) To be in good health, both physically and mentally, to complete the course; (8) Not to be serving the military
Language of Instruction:	Portuguese or Spanish
Training Institution(s):	Gastroenterological Diagnosis and Research Center - UNICAMP



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**Title: Mineral Processing and Metallurgy**

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Cooperation Period:	JFY 1995–1999
Purpose:	To provide the participants from Latin American countries with an opportunity to improve their knowledge and techniques in the field of mineral processing and metallurgy
Course Contents:	Presentation of country report; Laboratory sampling and assaying; Comminution process; Classification and screening processes; Flotation processes; Gravity concentration process thickening and filtering; Experimental work; Ore connection; Thickening and filtering; Hydrometallurgy leaching; Gold and silver hydrometallurgy; Purification and concentration processes; Metals recovery; Pyrometallurgy; Physical metallurgy; Experimental work on agitation leaching; Complementary tests at the bench scale and at pilot plant; Complementary work at the laboratory and pilot plant; Practical work on computer; Industrial tours; Technical development and activities of Japanese metal industry; Pollution control of Japanese mining industry
Invited Country(s):	Costa Rica; Guatemala; Honduras; Mexico; Nicaragua; Argentina; Bolivia; Brazil; Colombia; Ecuador; Peru; Venezuela
Number of Participants:	Should not exceed 12 in total from the invited countries and not exceed 3 from Chile
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be presently engaged or expected to be engaged in the future in research works in the field of mineral processing and metallurgy; (3) To have practical experience of more than 2 years in the field of mineral processing and metallurgy; (4) To be university graduates or to have the equivalent academic background in the field of mineral processing and metallurgy; (5) To be under 45 years of age; (6) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	Spanish
Training Institution(s):	Centro de Investigación Minera y Metalúrgica (CIMM)

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**Title: Optical Fiber Transmission System**

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Cooperation Period:	JFY 1997–2001
Purpose:	To provide the participants from the Latin American countries with an opportunity to improve their knowledge and techniques in the field of optical fiber transmission system, thereby contributing to a quicker, more effective development of digital telecommunication systems in their respective countries
Course Contents:	(1) Outline of digital transmission; (2) Outline of optical transmission; (3) Optical fiber digital transmission; (4) Optical fiber outside plant; (5) Description of telecommunication technologies; (6) Visits to telecommunications companies
Invited Country(s):	Argentina; Bolivia; Brazil; Colombia; Costa Rica; Cuba; Dominican Republic; Ecuador; El Salvador; Guatemala; Honduras; Mexico; Nicaragua; Panama; Haiti; Peru; Uruguay; Venezuela
Number of Participants:	Should not exceed 13 in total from the invited countries and not exceed 2 from Chile
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be university graduates specialized in telecommunications and/or electrical/electronic engineering or those who have fully equivalent technical knowledge and experiences in the field; (3) To be presently engaged in telecommunication services and systems; (4) To have more than 2 years of practical experience; (5) To be under 45 years of age; (6) To have a sufficient command of spoken and written Spanish; (7) To be in good health, both physically and mentally, to complete the course; (8) Not to be serving in the military
Language of Instruction:	Spanish
Training Institution(s):	Digital Telecommunications Training Center (CINATEL); National Institute of Professional Training (INACAP)

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**Title: Molluscan Aquaculture Engineering**

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Cooperation Period:	JFY 1998–2002
Purpose:	To provide the participants from the Latin American countries with an opportunity to improve their knowledge and techniques in the field of molluscan aquaculture engineering, with an emphasis on gastropods such as abalone, thereby contributing to the promotion of molluscan aquaculture in their respective countries
Course Contents:	(1) General concept of equipment and design of facilities for aquaculture related to biological requirements; (2) Aquaculture technology-food production (natural and artificial), broodstock management and larvae production, seed production and grow-up; (3) Aquaculture engineering-design of facilities and, selection of equipment; (4) Economic and administrative aspects of aquaculture; (5) Aquaculture projects development

■ CHILE ■

- Invited Country(s): Argentina; Brazil; Colombia; Costa Rica; Dominican Republic; Ecuador; El Salvador; Guatemala; Honduras; Mexico; Nicaragua; Panama; Peru; Uruguay; Venezuela
- Number of Participants: Should not exceed 16 from the invited countries and not exceed 4 from Chile
- Qualification of Applicants: (1) To be nominated by their respective governments; (2) To be university graduates or those who have fully equivalent technical knowledge and experiences in the field; (3) To be presently engaged in activities of aquaculture or related topic, either in production and/or research; (4) To have more than 2 years of experience in any of the activities mentioned in (3); (5) To be under 45 years of age; (6) To have a sufficient command of spoken and written Spanish; (7) To be in good health, both physically and mentally, to complete the course; (8) Not to be serving in the military
- Language of Instruction: English and Spanish
- Training Institution(s): The Aquaculture Department of Marine Science Faculty, Universidad Catolia del Norte in the Republic of Chile

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**Title: International Training Course on Productivity and Quality Management**

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Cooperation Period:	Jl-Y 1997-2001
Purpose:	To provide the participants from Central American countries with an opportunity to improve their knowledge and practical application in the field of productivity and quality management, and thus contribute to the improvement of competitiveness of small and medium size companies of Central American countries
Course Contents:	*Every year five topics will be chosen from among the following in order to meet the demands of the participants. 1. Topics in the field of Productivity management; Productivity awareness, 5S activities, Cost reduction and cost control systems, Problem solving process and inventory control, etc. 2. Topics in the field of Quality management; Quality control techniques, QC 7 tools, Quality assurance, Basics of test systems, etc. *A unit for each topic of the course consists of 7 hours of lectures, the minimum time needed to obtain basic knowledge, and a factory observation to confirm the knowledge gained and to understand its application. The observation mainly in the model factories of CEFOF and the final presentation.
Invited Country(s):	Belize; Guatemala; El Salvador; Honduras; Nicaragua; Panama; Dominican Republic
Number of Participants:	Should not exceed 36 in total from the invited countries and not exceed 6 from Costa Rica
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be presently (or to be expected in the future to be) in charge of the improvement of productivity and quality management in the production processes of small and medium size companies; (3) To have more than 3 years of practical experience in relevant field; (4) To be under 50 years of age; (5) To have a sufficient command of spoken and written Spanish; (6) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	Spanish
Training Institution(s):	Technical Instructor Personnel Training Center for Industrial Development of Central America (CEFOF)

■ MEXICO ■

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**Title: Electronics Control for Teachers**

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Cooperation Period:	JFY 1996-2000
Purpose:	To provide the participating teachers from Latin American countries with an opportunity to improve their knowledge and techniques for vocational training in the field of electronics control
Course Contents:	Electronics control circuits; Analog circuit; Digital circuit; Converter; Digital control; Motor control; Pneumatic system control; Computer control; PC architecture; Operating system MS-DOS; I/O ports and PPI 8255; BASIC programming
Invited Country(s):	Belize; Costa Rica; Cuba; Dominican Republic; El Salvador; Guatemala; Haiti; Honduras; Jamaica; Nicaragua; Panama; Saint Lucia; Colombia; Ecuador; Peru; Venezuela
Number of Participants:	Should not exceed 11 in total from the invited countries and not exceed 3 from Mexico
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be university graduates or technicians in the field of electronics, electromechanics, or control; (3) To be teachers of an educational institute with more than 3 years of experience; (4) To be under 40 years of age; (5) To have a good command of spoken and written Spanish; (6) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	Spanish
Training Institution(s):	CETMEJA, DGETI, Secretaría de Educación Pública

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**Title: Shipping and Port Management**

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Cooperation Period:	JFY 1996-2000
Purpose:	To provide the participants from the Latin American countries with an opportunity to improve their knowledge in the field of shipping and port management
Course Contents:	Shipping; Liner traffic and containerization; Marine insurance; International conventions and national legislation on the rules of bill of lading; Bill of lading; Oil pollution prevention and civil liability to damage arising therefrom; Port organization & administration
Invited Country(s):	Belize; Costa Rica; Cuba; El Salvador; Guatemala; Haiti; Honduras; Jamaica; Nicaragua; Panama; Argentina; Bolivia; Chile; Ecuador; Peru; Uruguay; Venezuela *Note: Guadalupe Lesser Antilles will be invited at its own expenses of the United Mexican States.
Number of Participants:	Should not exceed 17 in total from the invited countries and not exceed 3 from Mexico
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be university graduates or to have the equivalent academic background; (3) To be presently engaged in shipping and port management and related services; (4) To have practical experience of more than 2 years in the shipping and port management; (5) To be under 40 years of age; (6) To have a good command of spoken and written Spanish; (7) To be in good health, both physically and mentally, in order to complete the course; (8) Not to be serving in the military
Language of Instruction:	Spanish
Training Institution(s):	Merchant Marine Academy of Veracruz "Cap. Alt. Fernando Siliceo y Torres", Fideicomiso de Formación y Capacitación para Personal de la Marina Mercante Nacional "FIDENA"

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**Title: International Training Course on Integral Production of Educational Television Programmes**

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Cooperation Period:	JFY 1997-2001
Purpose:	To provide the participants from Central American and Caribbean countries with an opportunity to improve their knowledge and techniques in the field of production of educational television programmes
Course Contents:	(1) Production of educational television programmes—History of educational television; Production process; Educative usage; Audiovisual languages; Pedagogic basis; Project design workshop; Script writing workshop; (2) Production engineering of educational television programmes—Production process; Audiovisual languages; Production engineering work; Practical application, etc.; (3) Integral production of educational television programmes—Video capsules production; Musical education programme production; drama programme production
Invited Country(s):	Belize; Costa Rica; Cuba; Dominican Republic; El Salvador; Guatemala; Haiti; Honduras; Jamaica; Nicaragua; Panama; Colombia; Venezuela
Number of Participants:	Should not exceed 12 in total from the invited countries and not exceed 4 from Mexico
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be personnel working in the educational television broadcasting in their respective countries; (3) To be under 35 years of age; (4) To have

a sufficient command of spoken and written Spanish; (5) To be in good health, both physically and mentally, to complete the course; (6) To be university graduates in the field of communications or education with at least 2 years of experience in the field and basic knowledge of production process, audiovisual communication, and audio, lighting, camera and VTR techniques (for producers); (7) To be university graduates or high school graduates: cameramen, lighting operators, editors, audio operators with at least 2 years of experience and wide knowledge of their respective areas (for technical staff)

Language of Instruction: Spanish  
 Training Institution(s): CETE, Ministry of Public Education

**Title: Earthquake-Resistant Design and Construction of Structures**

Cooperation Period: JFY 1997-2001  
 Purpose: To provide the participants from the Latin American and Caribbean countries with an opportunity to obtain the knowledge and techniques in the field of earthquake engineering, in order to contribute to the improvement of earthquake-resistant design and construction of structures at regional level  
 Course Contents: (1) Thematic content -- Seismology and seismic hazard; Background of building seismic design; Specific knowledge on earthquake-resistant design and construction; Earthquake-resistant practices for design and construction, and quality control in other countries; Standards for earthquake-resistant design and construction in countries of the region; (2) Complementary training activities -- Seismic analysis and design workshops; Laboratory practices; Field visits; Theoretical exercises and individual study  
 Invited Country(s): Belize; Costa Rica; El Salvador; Guatemala; Honduras; Nicaragua; Panama; Jamaica; Dominican Republic; Dominica; Trinidad and Tobago; St. Vincent and the Grenadines; St. Lucia; Haiti; Cuba; Colombia; Ecuador; Peru; Venezuela  
 Number of Participants: Should not exceed 20 in total from the invited countries and not exceed 5 from Mexico  
 Qualification of Applicants: (1) To be nominated by their respective governments; (2) To be engineers or architects with experience of more than 5 years in design and construction of structures, or to be academics and researchers in this field for more than 5 years; (3) To be between 35 years of age and 50 years of age; (4) To have a good command of spoken and written Spanish; (5) To be in good health, both physically and mentally, to complete the course  
 Language of Instruction: Spanish  
 Training Institution(s): Centro Nacional de Prevencion de Desastres (CENAPRED)

■ PANAMA ■

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**Title: Outboard Motor Maintenance and Repairing**

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Cooperation Period:	JFY 1998-2002
Purpose:	To provide the participants from Central American and Caribbean countries with an opportunity to enhance their knowledge and techniques in the field of outboard motor maintenance and repairing to contribute the development of small scale coastal fisheries in the region
Course Contents:	(1) General guidance of the outboard motors; (2) Installation and operation of outboard motor, general/special tools; (3) Fuel, electric and cooling system; (4) Components of the power unit and function; (4) Practice of power/lower unit; (5) Periodical maintenance; (6) Boat operation practice; (7) Basic knowledge of small scale coastal fisheries-navigation system; (8) Cured fish products; (9) Fishing gear and methods
Invited Country(s):	Belize; Costa Rica; Cuba; El Salvador; Guatemala; Honduras; Nicaragua; Dominican Republic
Number of Participants:	Should not exceed 16 in total from the invited countries and should be 1 from Panama
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be senior high school graduates or have equivalent background; (3) To have more than 2 years experience in the mechanical or electrical field, and to be presently engaged or expected to be engaged in the field of fisheries or vocational training after completion of this training; (4) To be under 40 years of age; (5) To have a sufficient command if spoken and written Spanish; (6) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English and Spanish
Training Institution(s):	Instituto Nacional de Formacion Profesional (INFORP)

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**Title: International Training Program for African Nurse Leaders**

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Cooperation Period:	JFY 1985-1999
Purpose:	To train nurses leaders both in service and education on simple research methodology to strengthen and develop their knowledge, skills and attitudes in educational technology, management and leadership capabilities especially in the field of primary health care paying attention to evolving diseases
Course Contents:	Egyptian experience in achieving the goal; Trends in nursing education and service in Japan; Effect of emerging disease as AIDS virus hepatitis etc. on the achievement of HFA; Role of international organization in achieving HFA in African countries; Communication; Meeting and conflict resolution; Selection of training programs topics; Guidelines for selecting community nursing problem; Formulation of educational objectives of a training program; Task analysis--Educational cycle
Invited Country(s):	Tunisia; Ethiopia; Kenya; Tanzania; Uganda; Zambia; Zimbabwe; Angola; Burundi; Cameroon; Congo; Guinea; Madagascar; Mauritania; Senegal; Sierra Leone; Morocco; Algeria; Comoro Island; Côte D'Ivoire; Djibouti; Gabon; Ghana; Togo; Democratic Republic of the Congo; São Tomé and Príncipe
Number of Participants:	Should not exceed 20 in total from the invited countries and not exceed 10 from Egypt
Qualification of Applicants:	(1) To be state registered nurses (S.R.N.); (2) To have experience in administrative leadership position in either service or education (matron, chief nurse supervisor, nursing school director or assistant director trainer); (3) To be between 30 to 50 years of age; (4) To have a good command of spoken and written English; (5) To be citizens of the nominating country; (6) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	Ministry of Health

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**Title: Rice Cultivation Techniques**

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Cooperation Period:	JFY 1997-2001
Purpose:	To provide participants with an opportunity to refresh and upgrade relevant techniques and knowledge in the field of rice cultivation techniques
Course Contents:	(1) General agriculture — Overview of the contemporary Egyptian agriculture; Plant production in Egypt; Integrated pest control in Egypt; etc. (2) Economics and agricultural extension -- The role of rice in the Egyptian economy; Economics of rice production; Marketing system in rice; etc. (3) Agronomy and varietal improvement — Rice production in Egypt; Rice agronomy; Rice varietal improvement; etc. (4) Mechanization — Rice mechanization in Egypt; Mechanized rice transplanted system; Direct seeding method; etc. (5) Diseases, insects and weeds — Rice diseases in Egypt and their control; Race identification: Rice blast; Bacterial disease of rice; Principal insects of rice in Egypt and their control; Insects vectors of rice viruses and their control; Weed control in direct seeded and transplanted rice; etc. (6) Post-harvest technology — Harvest and post harvest techniques; Rice milling and processing technology; etc.
Invited Country(s):	Burkina Faso; Cameroon; Ghana; Guinea; Guinea Bissau; Kenya; Malawi; Madagascar; Mali; Morocco; Niger; Rwanda; Senegal; Sierra Leone; Tanzania; Democratic Republic of the Congo; Zambia
Number of Participants:	Should not exceed 14 in total from the invited countries
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be senior officials in the field of rice production; (3) To be university graduate, or equivalent, who possess practical experience in the related fields; (4) To have a good command of spoken and written English or French; (5) To be a citizen of the nominating countries; (6) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	Egyptian International Center for Agriculture (EICA)

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**Title: Telecommunication Training for Palestinians**

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Cooperation Period:	JFY 1997-1999
Purpose:	To contribute to the Palestinian human resources development in the field of telecommunication which is regarded as the most vital infrastructure necessary for the construction of a nation for Palestinians
Course Contents:	(1) Telecommunication system components — Outline of a network; Outline of exchange systems; Outline of outside plants; Outline of transmission systems; Outline of microwave system; Rural

## ■ EGYPT ■

communication systems; (2) Fundamentals for planning --- Topology of networks; Traffic theory; Numbering plan (with referring to ARENTO's one); Signaling plan; Charging plan (with referring to ARENTO's one); Communication quality; (3) Designing a network including data communication network --- Demand forecasting; Traffic forecasting; Deciding locations of exchange offices; Circuit calculation; Transmission network planning; Subscriber line network; (4) Radio wave (spectrum) management including scanning methods on radio spectrum; (5) Telecommunication administration based on privatization

Invited Country(s): Palestine

Number of Participants: Should not exceed 15 in total

Qualification of Applicants: (1) To be nominated by the Palestinian Interim Self-Government Authority; (2) To be presently engaged in the field of telecommunication; (3) To hold at least an engineer bachelor degree from a college or university; (4) To have a good command of spoken and written English and Arabic; (5) To be aged maximum 45 years of age; (6) To be in good health, both physically and mentally, to complete the course

Language of Instruction: English and Arabic

Training Institution(s): National Telecommunication Institute (NTI); Arab Republic of Egypt National Telecommunication Organization (ARENTO)



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**Title: Electric Power Training**

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Cooperation Period:	JFY 1997-2001
Purpose:	To provide the participants from Arab countries with an opportunity to upgrade relevant techniques and knowledge in the field of electric power industry
Course Contents:	(1) AMKA-T & MV of distribution OHL. --- Lectures: Duties and responsibilities of a lineman; Comparison between OH and AMKA-T networks; Safety rules, personal safety equipment; Tools and equipment for the AMKA-T & MV line networks; Regulations and standards for the AMKA-T & MV line equipment; Works for erecting the AMKA-T networks; --- Practice: Pole climbing and dressing; Dismantling of AMKA-T networks; Hanging, catching off and sagging of AMKA-T cables; Consumer servicing, termination and jointing the AMKA-T system; KWH meter erection; (2) Cable laying and jointing --- Lectures: Comparison between overhead lines and underground c; Safety rules and personal safety; Equipment used for the underground cable works; Regulations and standards for the underground cable works; Components of the cables; Types of cables; Methods of cable laying; Cable testing; --- Practice: Stripping of power cables of 0.4, 11 and 33 KV; Cable jointing; Preparation of foundations and laying the cables; Cable testing
Invited Country(s):	Bahrain; Lebanon; Oman; Saudi Arabia; Yemen; Algeria; Egypt; Morocco; Tunisia; Djibouti; Mauritania
Number of Participants:	Should not exceed 18 in total from the invited countries
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be high school graduates, or have adequate academic background; (3) To be presently engaged, or expected to be engaged in electric power industry; (4) To be under 25 years of age in principle; (5) To have a good command of spoken and written Arabic, and preferably English language; (6) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	Arabic
Training Institution(s):	Electric Training Center (ETC), National Electric Power Company (NEPCO)

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**Title: Advanced Medical Equipment Maintenance Training Programme for Palestinians**

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Cooperation Period:	JFY 1998-2002
Purpose:	To provide the Palestinian participants with an opportunity to improve their knowledge and techniques in the field of medical equipment maintenance
Course Contents:	(1) Repair of medical equipment; (2) Restraints related to installation; (3) Principles and restraints of functioning; (4) Precise guidelines for maintenance (preventive or curative); (5) Problems related to misuse of equipment
Invited Country(s):	Palestine
Number of Participants:	Should not exceed 8 in total
Qualification of Applicants:	(1) To be Palestinians nominated by the Palestinian, Interim Self-government Authority; (2) To be presently engaged in medical equipment maintenance for more than 2 years; (3) To be a college or university graduate, specialized in biomedical engineering or electronics engineering; (4) To have a good command of spoken and written English; (5) To be in good health, both physically and mentally, to complete the course; (6) Not to be serving in the military; (7) To be under 45 years old of age
Language of Instruction:	English
Training Institution(s):	Electronic Services and Training Centre (ESTC), Royal Scientific Society (RSS), the Higher Council for Science and Technology (HCST)

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**Title: System Engineering**

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Cooperation Period:	JFY 1998-2000
Purpose:	To provide the participants from Middle Eastern countries with an opportunity to improve their knowledge and techniques in the field of system engineering
Course Contents:	(1) System design; (2) System development; (3) Advanced system analysis and design; (4) System development workshop
Invited Country(s):	The Governments of Middle Eastern countries to be agreed upon each year in advance by the Government of Japan and the Government of Jordan will be invited to apply for the course by nominating their applicant(s)
Number of Participants:	Should not exceed 16 in total

## ■ JORDAN ■

Qualification of Applicants: (1) To be nominated by their respective governments; (2) To have university degree in computer science with at least 2 years experience or community college diploma with at least 4 years experience in computer system development; (3) To be able to program in COBOL or other high level language; (4) To have a good command of spoken and written English; (5) To be under 35 years of age; (6) To be in good health, both physically and mentally, to complete the course

Language of Instruction: English

Training Institution(s): CTFISC in the Hashemite Kingdom of Jordan

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**Title: Management of Fisheries Education**

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<b>Cooperation Period:</b>	JFY 1998-2002
<b>Purpose</b>	To provide the participants from African countries with an opportunity of upgrading relevant techniques and knowledge in fisheries education. Training issues of respective countries are to be discussed in the seminar.
<b>Course Contents:</b>	(1) Regional cooperation in fisheries; (2) Marine scientific research; (3) Means to manage fisheries resources; (4) Management and organization of fisheries education; (5) Vocational education system; (6) Engineering education; (7) Initial maritime education; (8) Parallel vocational education; (9) In-service maritime education; (10) Extension and professional promotion; (11) Results and prospects of fisheries cooperation; (12) Management and organization of training institute
<b>Invited Country(s):</b>	Angola; Benin; Cameroon; Cape Verde; Cote d'Ivoire; Gabon; Guinea; Guinea-Bissau; Madagascar; Mauritania; Senegal; Togo
<b>Number of Participants:</b>	Should not exceed 1 per country in principle with in the limit of 18 in total from the invited countries
<b>Qualification of Applicants:</b>	(1) To be nominated by their respective governments; (2) To be engaged in the field of fisheries education or related fields; (3) To be university graduates or have equivalent academic background; (4) To have practical experience of more than 5 years in the field of fisheries; (5) To have a good command of spoken and written English; (6) To be in good health to complete the course
<b>Language of Instruction:</b>	English
<b>Training Institution(s):</b>	The Specialized Institute of Maritime Fisheries Technology (ISTPM Aqadir)

■ SAUDI ARABIA ■

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**Title: Regional Training Course on Safety Requirements for Household Appliances**

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Cooperation Period:	JFY 1996-2000
Purpose:	(1) To provide the participants with an opportunity to widen their knowledge on the safety measures of electrical and electronic household appliances; (2) To improve their technical skills in inspecting, testing and measuring the safety requirements to be taken in a production process ultimately in order to protect consumers from physical danger and/or economic losses caused by low-quality products
Course Contents:	(1) Fundamentals of electrical/electronic theory; (2) Principle characteristics of the individual products; (3) Analysis of the commonly encountered operating and safety problems/dangers; (4) Current trends in the world safety standards aimed at improvement of the overall technologies in the testing and investigation
Invited Country(s):	Bahrain; Jordan; Lebanon; Oman; Syria; Yemen; Algeria; Egypt; Morocco; Tunisia; Palestine
Number of Participants:	Should not exceed 17 in total from the invited countries and not exceed 4 from Saudi Arabia
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be presently engaged in safety requirements for household appliances; (3) To be a technical school graduate or holding equivalent academic background; (4) To have a good command of spoken and written English; (5) To be between 25 to 45 years in age; (6) To have at least 3-year practical experience; (7) To be in good health, both physically and mentally, to complete the course; (8) To have the nationality of the nominating country
Language of Instruction:	English
Training Institution(s):	Saudi Arabian Standards Organization (SASO)

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**Title: Exploration and Evaluation of Underground Resources**

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**Cooperation Period:** JFY 1996-2000

**Purpose:** To provide the participants from the invited countries with an opportunity to improve their knowledge and techniques in the field of exploration and evaluation of underground resources.

**Course Contents:** General concepts (mineral, mineral deposits, mineral exploration); Design of mineral exploration projects; Plate Tectonic and Mineral Deposits; Metallogenic concepts and approaches in mineral explorations; Geology as an exploration tool; Remote Sensing as an exploration tool; Geophysics as an exploration tool; The Geology of Turkey, Caucasus and Central Asia; Target Settings in mineral explorations; Choice of prospects in mineral explorations; Choice of exploration methods in mineral explorations; Primary and secondary dispersion patterns; Stream sediment geochemistry; Soil geochemistry; Mineralogical, petrographical, sedimentological and paleontological determinations; Evaluation of exploration projects and prospects; Mineral Economics; Mining Law; Mining related industry in Turkey; Litho-geochemistry; Interpretation of geochemical data; Computer applications; Chemical analysis; Technological tests; Drilling applications; Resource and reserve, definition, classification; Evaluation of development projects and mineral deposits; Energy raw materials; Industrial minerals; Metallic minerals

**Invited Country(s):** Bosnia Herzegovina; Azerbaidjan; Kazakhstan; Kyrgyz; Tadzhikistan; Turkmenistan; Uzbekistan

**Number of Participants:** Should not exceed 25 in total from the invited countries

**Qualification of Applicants:** (1) To be nominated by their respective governments; (2) To be presently engaged, or expected to be engaged in near future in the field of underground resources; (3) To have practical experience of more than 5 years in the field of underground resources; (4) To be in good health, both physically and mentally, in order to complete the course; (5) To have a good command of either English or Turkish; (6) To be under 40 years of age

**Language of Instruction:** Turkish (Simultaneous English translation provided)

**Training Institution(s):** General Directorate of Mineral Research Exploration

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**Title: Audio-Visual Communication in Family Health**

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**Cooperation Period:** JFY 1998-2002

**Purpose:** To provide the participants from the invited countries with an opportunity to contribute to the improvement of audio-visual communication in family health

**Course Contents:** (1) Overview of service delivery system in family health in Turkey; (2) Case study of the activities of education and dissemination in the field of health in Japan; (3) Lecture on Role of central government and provincial administration; (4) Production and presentation skills of AV materials; (5) Role of various organizations, such as NGOs; (6) International organizations and others; (7) Education and dissemination — Activities in pilot area

**Invited Country(s):** Kazakhstan; Kyrgyz; Tadzhikistan; Turkmenistan; Uzbekistan; Azerbaidjan; Bosnia Herzegovina

**Number of Participants:** Should not exceed 14 in total from the invited countries and 2 from each country

**Qualification of Applicants:** [for the first course] (1) To be high ranking government-officials responsible for health service delivery; [for the second course] (2) To be a pair of an administrative government officials and that of public bodies in charge of the production of educational audio-visual materials (under 40 years of age preferably); [for every course] (3) To be nominated by their respective governments; (4) To be in good health, both physically and mentally, to complete the course; (5) To have a good command of either English or Turkish

**Language of Instruction:** English and Turkish

**Training Institution(s):** Communication Centers of Ministry of Health in Ankara

## ■ KENYA ■

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### Title: Regional Training for the Promotion of Social Forestry in Africa

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Cooperation Period:	JFY 1995–1999
Purpose:	To promote social forestry in the African region, which contribute to forest conservation and mitigation of desertification, by providing the participants from African countries with an opportunity to improve their knowledge and technique in the field of social forestry
Course Contents:	Introduction of SI/AF concepts and practices; Social forestry development strategies; Social forestry nurseries, establishment and management techniques; Appropriate tree establishment techniques; Appropriate tree management option and techniques; Socio-cultural and economic issues in SF development; Social forestry extension strategies; Framework for planning and management of participatory SF project
Invited Country(s):	Botswana; Ethiopia; Lesotho; Malawi; Namibia; South Africa; Swaziland; Tanzania; Uganda; Zambia; Zimbabwe; Angola; Mozambique
Number of Participants:	Should not exceed 20 in total from the invited countries and not exceed 2 from Kenya
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be presently engaged, and also expected to be engaged in forestry sector, as administrators, managers, trainers and senior extension officers, etc., from governmental or non-governmental organizations; (3) To have working experience of not less than 5 years in forestry or other related fields; (4) To hold B. Sc or Diploma or the equivalents in forestry or other related fields (M.Sc and Ph.D holders are excluded); (5) To have a good command of spoken and written English; (6) To be under 45 years of age; (7) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	Kenya Forestry Research Institute (KEFRI)

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### Title: Water Pollution and Its Analysis

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Cooperation Period:	JFY 1996–2000
Purpose:	To provide the participants from the countries of East, Central and Southern Africa with an opportunity to upgrade themselves in modern engineering technology in water pollution and its analysis
Course Contents:	[Topics] (1) Interaction of human activity with water environments (specific reference to Africa); (2) Theory and methods for detection, evaluation and control of water pollution; (3) Use of appropriate technology in water pollution analysis related to regional local conditions; (4) Models in water environments related to water pollution investigations; (5) Appraisal of water environments in Kenya, including field trips
Invited Country(s):	Botswana; Ethiopia; Eritrea; Lesotho; Malawi; Namibia; Seychelles; South Africa; Swaziland; Tanzania; Uganda; Zambia; Zimbabwe; Mauritius; Mozambique; Rwanda
Number of Participants:	Should not exceed 13 in total from the invited countries and not exceed 2 from Kenya
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be currently engaged in all field related to water environment; (3) To have a university degree or a diploma, with at least 3 years of technical working experience in water environment related fields; (4) To have a good command of spoken and written English; (5) To be under 35 years of age at the time of application; (6) To be in good health, both physically and mentally, to complete the course (Pregnancy is regarded as a disqualifying condition for participation in the course.)
Language of Instruction:	English
Training Institution(s):	Jomo Kenyatta University of Agriculture and Technology (JKUAT)

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### Title: Applied Food Analysis

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Cooperation Period:	JFY 1992–2001
Purpose:	To provide the participants from Eastern, Central and Southern African countries with an opportunity to improve their knowledge and techniques in analytical technologies associated with post-harvest food quality changes
Course Contents:	(1) Food chemistry; (2) Sensory evaluation; (3) Food microbiology I; (4) Instrumental analysis; (5) Data analysis I; (6) Data analysis II; (7) Advanced food chemistry I; (8) Advanced food chemistry II; (9) Advanced food microbiology I; (10) Advanced food microbiology II; (11) Post-harvest physiology (chemistry based); (12) Post-harvest pathology (microbiology based); (13) Keynote lectures; (14) Projects
Invited Country(s):	Uganda; Tanzania; Zambia; Zimbabwe; Namibia; Lesotho; Malawi; Botswana; Swaziland; Ethiopia; Eritrea; Seychelles; Rwanda

Number of Participants: Should not exceed 13 in total from the invited countries and not exceed 2 from Kenya  
 Qualification of Applicants: (1) To be nominated by their respective governments; (2) a) To be holders of a B.Sc. degree in food science and technology or other related areas of specialization such as agricultural sciences, chemistry, biology, zoology, biochemistry, microbiology and nutrition; b) To be holders of a Diploma in food science and technology with research/teaching experience of not less the 5 years in related areas; (3) To have a good command of spoken and written English; (4) To be in good health, both physically and mentally, to complete the course (Pregnancy is regarded as disqualifying condition.)  
 Language of Instruction: English  
 Training Institution(s): Jomo Kenyatta University of Agriculture and Technology (JKUAT)

**Title: Applied Electrical and Electronic Engineering**

Cooperation Period: JFY 1998-2002  
 Purpose: To provide the participants from English speaking countries of Eastern, Central and Southern African countries with an opportunity to improve their knowledge and techniques in the field of applied electrical and electronic engineering technology  
 Course Contents: (1) Principles of circuit design; (2) Circuit and design; (3) Testing and analysis; (4) Manual PCB design; (5) Mounting and soldering; (6) Study tour; (7) Computer aided PCB design; (8) Processing of the PCB: etching, drilling, mounting of components, testing, fault diagnosing; (9) Mounting and quality control  
 Invited Country(s): Uganda; Tanzania; Zambia; Zimbabwe; Namibia; Lesotho; Malawi; Botswana; Swaziland; Ethiopia; Seychelles  
 Number of Participants: Should not exceed 13 in total from the invited countries and not exceed 2 from Kenya  
 Qualification of Applicants: (1) To be nominated by their respective governments; (2) To be presently engaged or expected to be in the- future in electrical and electronic engineering; (3) To be University graduates or to have a diploma in electrical and/or electronic engineering or in other related fields with at least 5 years of experience; (4) To be not more than 40 years of age at the time of application; (5) To be in good health, both physically and mentally, to complete the course of training (Pregnancy is regarded as a disqualifying condition.)  
 Language of Instruction: English  
 Training Institution(s): Jomo Kenyatta University of Agriculture and Technology (JKUAT)

**Title: Applied Plant Propagation Technology in Horticultural Crops**

Cooperation Period: JFY 1998-2002  
 Purpose: To provide the participants from Eastern, Central and Southern African countries with an opportunity to improve their knowledge and techniques in applied plant propagation technologies in horticultural crops  
 Course Contents: (1) Plant physiology: Tropical fruits; Temperate fruits; Tropical vegetables; Temperate vegetables; Flowers; Ornamentals; (2) Greenhouse Technology; (3) Propagation media: Soil types and amendments; Research project formulation, presentation and subsequent implementation; (4) Propagation methods: Cutting; Grafting; Layering; Seeds; Field trip; (5) Crop Protection: Diseases; Pests; Weed  
 Invited Country(s): Uganda; Tanzania; Zambia; Zimbabwe; Namibia; Ethiopia; Malawi; Botswana  
 Number of Participants: Should not exceed 10 in total from invited countries and not exceed 2 from Kenya  
 Qualification of Applicants: (1) To be nominated by their respective governments; (2) To be presently engaged in any field related to horticulture; (3) To be holders of B.Sc. degree in horticulture or agricultural science with research/teaching experience of not less than 3 years in related areas; (4) To have a good command of written and spoken English; (5) To be not more than 40 years of age at the time of application; (6) To be in good health, both physically and mentally, to undergo the course of training (Pregnancy is regarded as a disqualifying condition.)  
 Language of Instruction: English  
 Training Institution(s): Jomo Kenyatta University of Agriculture and Technology (JKUAT)

**Title: Seminar on GPS Surveying**

Cooperation Period: JFY 1998-2002  
 Purpose: To provide the participants from African countries with an opportunity to acquire new technologies appropriate to African countries in the field of GPS surveying

## ■ KENYA ■

Course Contents:	(1) Basic theory of GPS; (2) Basic concepts of GPS; (3) Components of GPS system; (4) Co-ordinate reference system; (5) GPS observable; (6) GPS surveying (Planning and procedure, Static relatives, Differential -RTK, Introduction to field work, Data acquisition, Observation, Procedure & computation); (7) Data processing; (8) Field practice; (9) Processing of field practice data; (10) Presentation of course report
Invited Country(s):	Botswana; Comoros; Ethiopia; Lesotho; Malawi; Mauritius; Namibia; Seychelles; Swaziland; Tanzania; Uganda; Zambia
Number of Participants:	Should not exceed 12 in total from the invited countries and not exceed 3 from Kenya
Qualification of Applicants:	(1) To be nominated by their governments; (2) To be University graduates, higher diploma holders or to have the equivalent academic background; (3) To be engaged on surveying, mapping or related work; (4) To have the practical experiences of preferably more than 5 years in the field; (5) To be under 40 years of age in principle; (6) To have a good command of spoken and written English; (7) To be citizens of the applying countries; (8) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	The Kenya Institution of Surveying and Mapping (KISM)