THIRD COUNTRY TRAINING COURSES OF THE GOVERNMENT OF JAPAN

List and Outline of
Courses Starting Between April 1997 and March 1998

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JAPAN INTERNATIONAL COOPERATION AGENCY
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What Is Third Country Training?

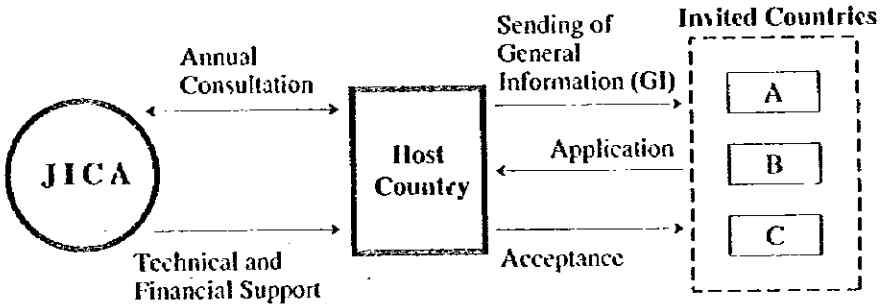
The Government of Japan, through Japan International Cooperation Agency (JICA), conducts training:

1) in Japan;
2) in recipient countries; and
3) in third countries.

Third country training takes place in a host country which is selected from among developing countries for the capacity and willingness of its implementing organization. Similarity of social, economic and linguistic condition are considered in choosing the invited countries. The host country is in charge of planning and managing the training program, while JICA provides financial and technical support (e.g. dispatching of Japanese experts, granting of fellowship for the participants from the invited countries).

The objectives of this type of training are:

1) to re-transfer the technology and knowhow of Japan in a form that is compatible with local conditions (i.e. it is sometimes more appropriate to transfer the technology and knowhow of another developing country with a similar climate, culture (language, religion, etc.) and industrial structure, or that of another developing country that is only slightly more advanced, than it is to transfer technology from Japan); and
2) to promote technical cooperation among developing countries (South-South cooperation).



Third country training began in 1974 when Thailand served as the host country for the training of participants from Laos in the field of sericulture. Today, third country training has grown into Japan's main activities to promote South-South cooperation.

What Is Inside?

(1) Information about the Courses scheduled to be held in Japanese Fiscal Year (JFY) 1997
(2) List of New Courses (Tentative Title and Implementing Organization) planned in JFY 1997

For more detailed information 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 and invited country.

CONTENTS

MIDDLE EAST REGION

AFRICAN REGION

THE OUTLINE OF SCHEDULED COURSES

Title: Irrigation and Drainage Engineering

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 Countries:	Malaysia; Philippines; Thailand; Cambodia; Laos; Viet Nam; China; Bangladesh; Bhtan; India; Nepal; Pakistan; Sri Lanka; Papua New Guinea
Number of Participants:	Should not exceed 14 in total from the invited countries and not exceed six 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 five 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

Title: Agricultural Extension and Training Methodology

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 Countries:	Malaysia; Philippines; Thailand; Cambodia; Laos; Viet Nam; Bangladesh; India; Nepal; Pakistan; Sri Lanka; Fiji; Papua New Guinea; Solomon Islands; Tonga; Western Samoa
Number of Participants:	Should not exceed 14 in total from the invited countries and not exceed four 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 three 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)

Title: Pest Surveillance and Forecasting

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

	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 Countries:	Malaysia; Philippines; Thailand; Cambodia; Laos; Viet Nam; Bangladesh; Bhutan; India; Nepal; Pakistan; Sri Lanka; Papua New Guinea
Number of Participants:	Should not exceed 15 in total from the invited countries and not exceed five 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 three 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

Title: Erosion and Sediment Control Engineering (*Sabo* Engineering)

Cooperation Period:	JFY 1993–1997
Purpose:	(1) To provide the participants from Asian and Pacific countries with an opportunity to update and upgrade relevant techniques and knowledge of erosion and sediment control engineering; (2) To contribute to find way to solve manifold problems related to erosion and sediment control engineering in compliance with the specific features of each country
Course Contents:	(1) Introduction to government policy on erosion control and disaster prevention works; (2) *Sabo* works in Indonesia; (3) *Sabo* works and history of technical cooperation in the world; (4) Land conservation and reforestation; (5) *Sabo* and the environment; (6) Landslide technology; (7) Landslide countermeasure; (8) Hydraulics and sediment transport on steep slope; (9) *Sabo* survey and *sabo* plan; (10) Design of *sabo* structure; (11) River morphology and related disaster; (12) Sedimentation in reservoir; (13) Sediment control in reservoir basin; (14) *Sabo* implementation; (15) Forecasting and warning system against debris flow; (16) *Sabo* hydraulic model test; (17) Landslide experiment; (18) *Sabo* for road protection; (19) Maintenance works for *sabo* structure in Indonesia
Invited Countries:	Brunei; Malaysia; Philippines; Thailand; Viet Nam; China; Bangladesh; India; Nepal; Pakistan; Sri Lanka; Fiji; Papua New Guinea; Solomon Islands; Tonga; Western Samoa
Number of Participants:	Should not exceed 10 in total from the invited countries and not exceed five 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 or conducting erosion and sediment control engineering; (4) To have practical experience of more than two 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 (Pregnancy is regarded as a disqualifying condition for participation in the course.)
Language of Instruction:	English
Training Institution(s):	The Sabo Technical Center (STC), Directorate General of Water Resources Development (DGWRD), Ministry of Public Works

Title: Earthquake Disaster Prevention for Building Engineers

Cooperation Period:	JFY 1993–1997
Purpose:	To provide the participants from countries in the Asia-Pacific region with knowledge in the field of earthquake disaster prevention, mitigation, evaluation of building structures and countermeasures for strengthening of building
Course Contents:	General seismology; Seismic intensity zoning; Structural dynamics; Load and resistant factor design; Design of foundation; Implementation of Indonesian seismic code with Indonesian experiences; Structural design of tall building (reinforced concrete); Structural modeling by using computer; Design of prestressed concrete structure; Design of precast concrete; Hybrid structural system; Damage observation; Repair and retrofit in seismic region; Design guide line of reinforced concrete building structure using ultimate state design concept; Seismic mitigation; Seismic design of masonry structure; Structural testing; Structural design of tall building (steel; high risk-building in Japan)
Invited Countries:	Brunei; Malaysia; Philippines; Singapore; Thailand; China; Bangladesh; India; Nepal; Pakistan; Sri Lanka; Fiji; Papua New Guinea; Western Samoa

Number of Participants:	Should not exceed 12 in total from the invited countries and not exceed four 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 have practical experience of more than five years in building engineering; (4) To be between 30 to 50 years of age; (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 (Pregnancy is regarded as a disqualifying condition for participation in the course.); (6) In principle, applicants who had participated in previous courses are not liable for selection by the Organizing Committee
Language of Instruction:	English
Training Institution(s):	Research Institute for Human Settlement (RIHS), Agency for Research and Development, Ministry of Public Works

Title: Information, Education, and Communications in Family Planning

Cooperation Period:	JFY 1993–1997
Purpose:	To provide the participants from Asian and Pacific countries with an opportunity to update and upgrade relevant techniques and knowledge of information, education, and communications (IEC) in family planning, and to acquire basic media production skills
Course Contents:	(1) Overview of IEC program; (2) IEC management; (3) Monitoring & communication; (4) Visits local TVRI station; (5) Observation of FP-IEC and counseling in a hospital; (6) Fieldworker supervisor / Fieldworker meeting; (7) Message design; (8) Visual communication; (9) Practices: Designing messages; Review/revision; Writing a simple script; (10) Production of short program; etc.
Invited Countries:	Malaysia; Philippines; Cambodia; Laos; Viet Nam; China; Mongolia; Bangladesh; Bhutan; India; Maldives; Nepal; Pakistan; Sri Lanka; Papua New Guinea
Number of Participants:	Should not exceed 18 in total per year from the invited countries, preferably two from each country
Qualification of Applicants:	(1) To be nominated by the respective governments; (2) To be mid-level managers not technical personnel of government family planning organizations working in IEC including use of video medium; (3) To have a good command of spoken and written English
Language of Instruction:	English
Training Institution(s):	National Family Planning Coordinating Board, International Training Programme (ITP)

Title: Electronic Engineering Education

Cooperation Period:	JFY 1993–1997
Purpose:	To provide the participants from Asian countries with an opportunity to upgrade relevant techniques, knowledge and teaching methodology in the field of electronic engineering
Course Contents:	(1) Seminar on power electronics-- Power conditioning by SMES; Ideal profile of polytechnics graduate on power electronics field; Trend of power devices technology; Sensor and devices; (2) Teaching methodology and case study on power electronics; (3) Introduction to control, devices, and system; (4) Electronic circuit & measurement; (5) Electronic devices; Power devices processing technology; Electronics devices (Thyristor, IGBT); (6) Electric machinery; Electrical induction motor & DC motor; (7) PSPICE; (8) Control system, analysis and design; Digital control, analysis and design; Real time control using computer; (9) Power electronics; AC/DC converter; DC/AC inverter; DC/DC chopper; AC/AC cycloconverter; (10) C language; Introduction to C language; Image processing by C language; (11) Microprocessor; CPU based microcomputer system design; CPU programming environment; Implementation of CPU based control circuit to digital control system; Design of CPU based motor speed control
Invited Countries:	Brunei; Malaysia; Philippines; Thailand; Laos; Papua New Guinea
Number of Participants:	Should be 12 from ASIAN countries
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be graduates from polytechnic, technical college or to have equivalent academic background, to have minimum 14 years of formal education; (3) To have practical experience more than three years in the field of electronic, electrical engineering education; (4) To be engaged in laboratory works in the field of tertiary power electronic engineering educational experience in more than three years; (5) To be under 35 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):	Electronic Engineering Polytechnic Institute of Surabaya

■ MALAYSIA ■

Title: Information Systems Management

Cooperation Period:	JFY 1993–1997
Purpose:	To provide participants from countries in the Asia-Pacific region with an opportunity to upgrade relevant skills and knowledge in the field of information systems management
Course Contents:	(1) Information technology issues — Organizational issues; Implementing information technology strategy; Impact of information technology and information technology trends; Business process re-engineering; (2) Information systems planning and management — Information systems planning; Information systems strategic planning; Planning for office automation (OA); (3) Management of information technology projects — Information systems development; Procurement and contracts; (4) Application of office automation — Using internet; Presentation techniques using multimedia; Data representation using excel; Managing data with access; Presentation skills using MS power point; (5) Visits to operational sites; (6) Projects — Individual country paper on information technology situation; Group case study
Invited Countries:	Brunei; Indonesia; Philippines; Thailand; Laos; Viet Nam; Bangladesh; Bhutan; Maldives; Nepal; Pakistan; Sri Lanka; Fiji; Nauru; Papua New Guinea; Solomon Islands; Tonga; Vanuatu; Western Samoa
Number of Participants:	Should not exceed 16 in total from the invited countries and not exceed four from Malaysia
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To have practical experience of more than five years in the managerial capacity; (3) To be high school or university graduates; (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 (Physical impairment or disability or pregnancy is regarded as a disqualifying condition for participation in the course.)
Language of Instruction:	English
Training Institution(s):	National Computer Training Center (NCTC), National Institute of Public Administration (INTAN)

Title: Advanced Skill Training on Programmable Logic Controller

Cooperation Period:	JFY 1993–1997
Purpose:	To provide the participants from Asia and Pacific countries with an opportunity to improve their knowledge and techniques in the field of advanced skill training on programmable logic controller
Course Contents:	(1) General outline — Historical background features; Construction and function of each part; (2) Operation — Operation of programming console; Debug and run; (3) Field trip — Visit to industries in Klang Valley; (4) Programming and logic circuit — Relation between ladder circuit and logic circuit; Self holding circuit (stop priority) programming; Positive logic and negative logic; Interlock circuit; Forward—reverse conveyor system; Random priority circuit; Timer circuit programming; Star delta starting sequence; Time transition programming counter; (5) Input/output — Input unit; Output unit; Connection to I/O equipment; (6) Application — Programming problem; Flicker circuit; Repeat motion control program; Timed control for automation repetitive operation; Sequence operation for two motors; Single traffic light system circuit- traffic signal control program; Lift control program; (7) Automation — Conveyor automation; Automatic reject program; Automatic pouring system; Automatic counting system
Invited Countries:	Indonesia; Philippines; Thailand; Cambodia; Laos; Viet Nam; Bangladesh; Maldives; Nepal; Pakistan; Sri Lanka; Fiji; Kiribati; Nauru; Papua New Guinea; Solomon Islands; Tonga; Vanuatu; Western Samoa
Number of Participants:	Should not exceed eight in total from the invited countries and not exceed two from Malaysia
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be engineers, technicians, supervisors or vocational training instructors; (3) To be between 28 to 40 years of age; (4) To have practical experience of more than five years in the field concerned; (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.)
Language of Instruction:	English
Training Institution(s):	Center for Instructor and Advanced Skill Training (CIAST)

Title: Mold and Die Design Technology

Cooperation Period:	JFY 1994–1998
Purpose:	To provide technical government officials from the Asian and Pacific countries with an opportunity to improve their knowledge and techniques in the field of mold and die design technology (Long term skill development in these areas is not to be envisaged.)

Course Contents:	(1) Plastic injection mold design technology — Introduction to injection molds and injection molding process; Mold structures and classifications; Design and function of mold parts; Injection mold design principles; (2) CAD/CAM/CAE application in mold design and making — 2D CAD; 3D CAD/CAM; CNC digitizing/Scanning/Measurement; (3) Mold design and making practice — Mold drafting techniques; Mold design practice; Mold assembly and try-out
Invited Countries:	Brunei; Indonesia; Philippines; Thailand; Cambodia; Laos; Viet Nam; Bangladesh; Bhutan; Maldives; Nepal; Pakistan; Sri Lanka; Fiji; Papua New Guinea
Number of Participants:	Should not exceed 10 in total from the invited countries (one application from each country) and not exceed two from Malaysia
Qualification of Applicants:	To be nominated by their respective governments; (2) possess a degree or diploma in engineering (Mechanical, production, manufacturing etc.); (3) To be technical officials of the government sector, who are engaged in research and development, consultancy, advisory, teaching or training activities in the field of mold and die; (4) To have practical experience of more than one year in the field of plastic injection mold; previous exposure to CAD (Auto CAD) would be an added advantage; (5) To have a good command of spoken and written English; (6) To be citizens of nominating countries; (7) To be under 36 years of age; (8) 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):	Metal Production Technology Centre (MPTC), Standards and Industrial Research Institute of Malaysia (SIRIM)

Title: Freshwater Aquaculture

Cooperation Period:	JFY 1994-1998
Purpose:	To provide participants from the Asian and the Pacific countries with an opportunity to improve their knowledge and skill in the field of freshwater aquaculture in general.
Course Contents:	(1) Country report; (2) Presentations by local and Japanese experts; (3) Lectures; (4) Workshop and group discussions; (5) Film and slide presentations; (6) Laboratory demonstrations and practicals; (7) Field trip
Invited Countries:	Brunei; Indonesia; Philippines; Singapore; Thailand; Cambodia; Laos; Viet Nam; China; Mongolia; Bangladesh; Bhutan; India; Nepal; Pakistan; Sri Lanka
Number of Participants:	Should not exceed 12 in total from the invited countries and not exceed three from Malaysia
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be engaged in aquaculture; (3) To be university graduates or to have equivalent academic background; (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 (Pregnancy is regarded as a disqualifying condition for participation in the course.)
Language of Instruction:	English
Training Institution(s):	Faculty of Fisheries & Marine, Science University Pertanian Malaysia (UPM)

Title: Analytical Instrumentation for Ceramics

Cooperation Period:	JFY 1994-1998
Purpose:	To provide technical government officials from the Asian countries with an opportunity to improve their knowledge and techniques in the field of analytical instrumentation for ceramics (Long term skill development in these areas is not to be envisaged.)
Course Contents:	Lecture, demonstration on operating equipment and practical session — (1) X-ray diffraction techniques; (2) Particle size measurements techniques; (3) Scanning electron microscopy; (4) Thermal physical properties measurement; (5) Mechanical property measurements techniques (Universal testing machines; Microhardness tester); Industrial visit
Invited Countries:	Brunei; Indonesia; Philippines; Singapore; Thailand; Cambodia; Laos; Viet Nam; Bangladesh; Pakistan; Sri Lanka
Number of Participants:	Should not exceed eight in total from the invited countries (one application from each country) and not exceed two from Malaysia
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To possess a degree in science or engineering or its equivalent; (3) To be presently engaged, or expected to be engaged in the future in the field of analytical instrumentation for ceramics; (4) To have practical experience of more than two years in the field of ceramics; (5) To have a good command of spoken and written English; (6) To be citizens of nominating countries; (7) To be under 45 years of age; (8) 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):	Ceramics Technology Centre, Standards and Industrial Research Institute of Malaysia (SIRIM)

Title: Biotechnological Techniques in Tropical Medicine

Cooperation Period:	JFY 1995–1997
Purpose:	To provide the participants from Asia and the Pacific countries with an opportunity to improve their knowledge and techniques in the field of biotechnology in tropical medicine
Course Contents:	[Topics] (1) Nucleic acid technology in tropical diseases; (2) Molecular biological of important tropical diseases; (3) Strategies for the study of parasites using recombinant DNA technology; (4) Culture of parasites; (5) Isolation of DNA, plasmid DNA and electrophoresis; (6) Restriction enzyme digestion; (7) Cloning strategies; (8) Screening of DNA library, isolation and uses of DNA; (9) Use of DNA probes in clinical diagnosis and DNA fingerprinting; (10) Principles of hybridoma technology; (11) Use of monoclonal antibodies; (12) Isolation of total RNA, mRNA and principles of cDNA synthesis and construction of cDNA libraries; (13) Principles of fusion proteins production and their application; (14) Application of PCR in diagnosis; (15) DNA sequencing
Invited Countries:	Indonesia; Philippines; Thailand; Cambodia; Laos; Viet Nam; China; Bangladesh; Maldives; Nepal; Pakistan; Sri Lanka; Fiji; Kiribati; Nauru; Papua New Guinea; Solomon Islands; Tonga; Vanuatu; Western Samoa
Number of Participants:	Should not exceed eight in total from the invited countries and not exceed four from Malaysia
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To have at least a BSc degree in biological sciences or a medical degree; (3) To have practical experience of more than five years in the field concerned; (4) To preferably 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, to complete the course (Pregnancy is regarded as a disqualifying condition for participation in the course.)
Language of Instruction:	English
Training Institution(s):	Division of Molecular Pathology, Institute for Medical Research (IMR), Ministry of Health

Title: ASEAN Course in Specialized Diagnostic Techniques on Poultry Diseases

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 Countries:	Indonesia; Philippines; Thailand; Cambodia; Viet Nam
Number of Participants:	Should not exceed 10 in total from the invited countries (to nominate two names and a third as reserve from each country) and not exceed seven 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

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

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 sys-

	tem; Study visit to relevant Malaysian organizations or industries
Invited Countries:	APEC member economies classified under Part I of the DAC List of Aid Recipients (Indonesia; Philippines; Thailand; 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 three from Malaysia (Approximately three persons per developing member economy may participate as trainees. If requested, the participation of more than three 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)

■ PAKISTAN ■

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 Countries:	Indonesia; Malaysia; Mongolia; Bangladesh; Maldives; Nepal; Sri Lanka; Iran; Jordan; Kuwait; Qatar; Syria; Turkey; Yemen; Algeria; Egypt; Morocco; Sudan; Tunisia; Ghana; Tanzania; Zimbabwe; Mauritius; Azerbaldjan; Turkmenistan
Number of Participants:	Should not exceed 18 in total from the invited countries and not exceed four 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 five 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 transpoit 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 Countries:	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 five 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)

Title: Principles and Practices of Appropriate Technology Development

Cooperation Period:	JFY 1989–1998
Purpose:	(1) To provide an opportunity for deepening the understanding of appropriate technology as a strategy for development in agriculture; (2) To improve the techniques and method used by development works of Asian Non-Government Organizations (NGOs) engaged in appropriate technology development work
Course Contents:	(1) Lecture series — Principles and practices of appropriate technology development and transfer; Assessment and diffusion of technology; Planning, monitoring and evaluation of AT projects and programs; (2) Practices — Visit, study and learn with the staff of the NGOs working with the indigenous communities and sustainable agriculture systems; Lecture — NGO's histories; Problems encountered; Belief and leadership; Vision of their work; Discussion — Methodologies; Specific techniques , Approaches to community organization; Evaluation of the work personnel; (3) Summing-up; (4) Planning session
Invited Countries:	Indonesia; Malaysia; Thailand; Viet Nam; Bangladesh; India; Nepal; Pakistan; Sri Lanka
Number of Participants:	Should not exceed 18 from the invited countries and five from the Philippines
Qualification of Applicants:	(1) To be nominated by the respective Approtech Asia members; (2) To have practical experience of more than two years in appropriate technology development in the respective course; (3) To be engaged in extension work in the field of appropriate technology with either a public or private organization; (4) To be under 40 years of age; (5) To have a good command of spoken and written English; (6) To be citizens of the nominated country; (7) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	Asian Alliance of Appropriate Technology Practitioners (Approtech Asia)
*Remarks:	Main topic changes every year. JFY 1997 Course is focused on "Agricultural Waste Treatment."

Title: Transportation Development Management for Executives

Cooperation Period:	JFY 1993–1997
Purpose:	To provide the participants from the Asian Pacific countries with and opportunity to improve their knowledge and techniques in transportation development management
Course Contents:	Project development cycle; Transportation policies; Problem identification and analysis; Project identification and preparation; Project appraisal and decision making; Financing transport development project; Project implementation; Special topics
Invited Countries:	Brunei; Indonesia; Malaysia; Singapore; Thailand; Cambodia; Laos; Viet Nam; China; Bangladesh; Sri Lanka; Papua New Guinea
Number of Participants:	Should not exceed 18 in total from the invited countries (To nominate two principal and two alternate/additional candidates) and not exceed three from Philippines
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be occupying senior/managerial position (i.e., policy and decision making position) in the field of transportation for at least five years; (3) To be more than 30 years of age; (4) To be university graduates; (5) To have practical experience of more than five years in the field of transportation; (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):	National Center for Transportation Studies (NCTS), University of the Philippines (UP)

Title: Telecommunications Outside Plant Engineering

Cooperation Period:	JFY 1993–1997
Purpose:	To provide the participants from Asia-Pacific countries with an opportunity to upgrade relevant knowledge techniques in the field of telecommunications outside plant engineering
Course Contents:	(1) Telecommunications outside plant; (2) Telecommunications outside plant design; (3) Line construction method; (4) Telecommunication underground cable & civil engineering work design; (5) Line transmission theory; (6) Outside plant measurement; (7) Outside plant maintenance; (8) Outline of optic fiber; (9) Special lecture — Multiplexing (PCM 30); Radio transmission switching; Digital telephone switching; ISDN overview; Outside plant supervision management
Invited Countries:	Brunei; Indonesia; Malaysia; Thailand; Cambodia; Laos; Viet Nam; China; Bangladesh; India; Nepal; Pakistan; Sri Lanka; Papua New Guinea; Iran

■ PHILIPPINES ■

Number of Participants:	Should not exceed 15 in total from the invited countries and not exceed three from Philippines
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be telecommunications engineers or technical managers; (3) To be technical university graduates or to have equivalent academic background; (4) To have practical experience of more than three years in the field of telecommunications outside plants; (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):	Telecommunications Training Institute (TTI), Telecommunications Office, Department of Transportation and Communications

Title: Coastal Aquaculture

Cooperation Period:	JFY 1994–1998
Purpose:	To provide the participants from Asian Countries with the opportunity to improve their knowledge and techniques of coastal aquaculture
Course Contents:	The curriculum consists of 40% lectures and 60% practical laboratory/demonstrations and field trips. (1) Lectures — Species/site selection; Speed production; Nutrition and feed development; Seaweed culture; Mollusc/shellfish culture; Brackishwater pond culture; Pen/cage culture; (2) Practice — Anatomy/identification; Induced spawning; Phytoplankton culture; Artemia hatching and decapsulation; Eyestalk ablation; Disease diagnosis; Feed preparation; Water stability test; Proximate analysis; Soil/water analysis; (3) Field trips — Broodstock cages; Hatcheries; Farm culture systems; Feed processing plant; Cage culture farms; Seaweed farms; Mollusc/mussel farms
Invited Countries:	Brunei; Indonesia; Malaysia; Singapore; Thailand; Cambodia; Viet Nam; China; Myanmar; Bangladesh; India; Pakistan; Sri Lanka
Number of Participants:	Should not exceed 15 in total from invited countries (To nominate at least two) and not exceed two from the Philippines
Qualification of Applicants:	(1) To be nominated by their respective government; (2) To be presently engaged, or expected to be engaged in the future in aquaculture extension or research work; (3) To have practical experience of more than two years in aquaculture; (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):	Aquaculture Department of the Southeast Asian Fisheries Development Center (SEAFDEC/AQD)

Title: Computer-Based Instructional Materials Development

Cooperation Period:	JFY 1996–1998
Purpose:	To provide an opportunity for the participants to acquire the awareness, knowledge and the skills required to design and develop computer-based instructional materials
Course Contents:	The course is also designed to focus on various issues of interest in the design and utilization of computer-based instructional materials in fast changing hardware and software environments. (1) Familiarization with Windows; (2) Instructional materials design; (3) Screen-presentation design; (4) Software; (5) Development skills; (6) Multimedia software
Invited Countries:	Indonesia; Malaysia; Thailand; Korea; Bangladesh; Bhutan; India; Nepal; Pakistan; Sri Lanka; Fiji; Papua New Guinea; Iran
Number of Participants:	Should not exceed 13 in total from invited countries and not exceed one from the Philippines
Qualification of Applicants:	(1) To hold a bachelor's and/or master's degree or secondary diploma which is certified by recognized teaching organizations in the field of engineering, technician education, technical teacher education, computer, business, education technology and/or any field related to technician education; (2) To be working in an area related to instructional technology, instructional or curriculum design, or engaged in the development of instructional or curriculum materials; (3) To have at least three years experience in teaching and/or in the design or development of instructional and/or curriculum materials; (4) To be citizens of the nominating countries; (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):	Colombo Plan Staff College for Technical Education (CPSCTE)

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

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 Countries:	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 two 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 two 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)

■ SINGAPORE ■

Title: Electrical Supply, Transmission & Distribution

Cooperation Period:	JFY 1988–1997
Purpose:	To provide participants with an opportunity to refresh and update relevant techniques and knowledge in the field of electrical supply, transmission and distribution
Course Contents:	[Topics] High voltage distribution network and equipment; Safety rules; Electrical safety; Underground system and cables; Distribution system protection and instrument transformers; Operation and maintenance of generating station equipment; Control and instrumentation for power system; Power electronics for power system; Operation and maintenance of transformers; Operation and maintenance of switchgears; Computer application in power system in Japan; Power generation and the environment; Power system network in Japan
Invited Countries:	Brunei; Indonesia; Malaysia; Philippines; Thailand; Viet Nam; China; Mongolia; Sri Lanka; Fiji; Papua New Guinea; Palestine
Number of Participants:	Should not exceed 20 in total from the invited countries and not exceed four from Singapore
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) Have a degree in electrical engineering or equivalents; (3) To be engaged in electrical supply, transmission or distribution in the governmental, public or private general electrical consultancy and contracting organizations; (4) To have practical experience of more than three years in the field concerned; (5) To be between 25 to 35 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):	Singapore Polytechnic (SP)

Title: Computer Software Technology

Cooperation Period:	JFY 1989–1998
Purpose:	To provide participants with a basic knowledge of the systems development life cycle and the tools and techniques used during the systems analysis and design stages
Course Contents:	System analysis and design — Systems development life cycle; Overview of systems analysis/systems design (SA/SD) tools and techniques; Structured systems analysis; Structured systems design; New aspects of software engineering; SA/SD case study
Invited Countries:	Brunei; Indonesia; Malaysia; Philippines; Thailand; Cambodia; Laos; Viet Nam; Mongolia; Bangladesh; Bhutan; Maldives; Nepal; Sri Lanka; Papua New Guinea; Mauritius; Palestine
Number of Participants:	Should not exceed 20 in total from the invited countries and not exceed three from Singapore
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be high school or university graduates; (3) To have practical experience of more than two years in computer programming; (4) To be under 35 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; (7) To be non-military personnel
Language of Instruction:	English
Training Institution(s):	Japan-Singapore Institute of Software Technology (JSIST)

Title: Effective Management of Port Operations

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 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 Countries:	Indonesia; Malaysia; Philippines; Thailand; Cambodia; Viet Nam; China; Bangladesh; India; Maldives; Sri Lanka; Fiji; Papua New Guinea; Solomon Islands; Tonga; Western Samoa; Mauritius; Palestine
Number of Participants:	Should not exceed 14 in total from the invited countries and not exceed one 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): Singapore Port Institute (SPI)

Title: Food Packaging

Cooperation Period: JFY 1993–1997

Purpose: To provide participants with an opportunity to improve their knowledge and skills in the field of food packaging

Course Contents: [Topics] Overview of food, food spoilage and preservation; Plastics in food packaging; Metal containers in food packaging; Paper and glass containers in food packaging; Practicals on packaging and evaluation of materials; Packaging design and innovation; Food packaging standards and quality assurance; Packaging and distribution systems; New trends in packaging; Graphic design; Food packaging and environmental protection

Invited Countries: Brunei; Indonesia; Malaysia; Philippines; Thailand; Cambodia; Laos; Viet Nam; China; Mongolia; Bangladesh; Maldives; Sri Lanka; Fiji; Papua New Guinea; Solomon Islands; Seychelles; Mauritius; Palestine

Number of Participants: Should not exceed 16 in total from the invited countries and not exceed four from Singapore

Qualification of Applicants: (1) To be nominated by their respective governments; (2) To be engaged in food packaging; (3) To be university graduates or to have equivalent academic background; (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

Language of Instruction: English

Training Institution(s): Singapore Polytechnic (SP)

Title: Products Protection Engineering in Logistics

Cooperation Period: JFY 1995–1999

Purpose: To provide participants with an opportunity to improve their knowledge in the field of products protection engineering in logistics

Course Contents: [Topics] Distribution environment; Packaging design concept; Cushioning design; Protection for food product ; Corrugated board packaging design; Optimization software; Introduction to packaging material for protection of products; Bar coding; Evaluation methods of products fragility

Invited Countries: Indonesia; Malaysia; Philippines; Thailand; Cambodia; Laos; Viet Nam; China; Bangladesh; India; Nepal; Sri Lanka; Papua New Guinea; Solomon Islands; Mauritius

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 have practical experience of more than three years in packaging field; (3) To be university graduates or to have equivalent academic background; (4) To beunder 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): Singapore Productivity and Standards Board (PSB)

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

Cooperation Period: JFY 1995–1999

Purpose: To provide participants with an opportunity to learn about the Japanese *Koban* System and the NPP System in Singapore and the roles of these in community policing

Course Contents: [Topics] The origin and concept of the *Koban* System in Japan; The roles/functions/ activities of *Kobans*; Recent development in the concept of *Kobans*; Singapore's approach to community policing; The conceptualization of the NPP system; The SPF's experience in modifying the *Koban* 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., *Koban*, Communication Center)

■ SINGAPORE ■

Invited Countries:	Brunei; Indonesia; Malaysia; Philippines; Thailand; Cambodia; Laos; Viet Nam; 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 three 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)

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

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 Countries:	Indonesia; Malaysia; Philippines; Thailand; Cambodia; Laos; Viet Nam; China; Mongolia; Bangladesh; 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 five years of working experience in information technology; (3) To have practical experience of more than two 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 1996–1999
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 Countries:	Indonesia; Malaysia; Philippines; Singapore; 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 three 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 Countries:	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 jor equivalent professional qualification; (3) To be National Productivity Organization officers who are currently management consultants from consulting organizations with at least three 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 pollution 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 Countries:	Indonesia; Malaysia; Philippines; Thailand; Cambodia; Laos; Viet Nam; China; Bangladesh; India; Nepal; Pakistan; Sri Lanka; Fiji; 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 posses a degree or equivalent professional qualification; (3) To be National Productivity Organisation officers who are currently Management Consultant from consulting organisation with at least three years of work experience; (4) To be more 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)

■ SRI LANKA ■

Title: Colour Television Engineering

Cooperation Period:	JFY 1988-1997
Purpose:	To provide participants from Asian countries with an opportunity to update and upgrade relevant techniques and knowledge in the field of colour television engineering.
Course Contents:	(1) Basic principles of TV; Optical images & its perception; (2) Presentation of country report; (3) Practicals— TV pictures & its parameters; Characteristics of the visual signal; Picture devices & display devices; Scanning & deflection; Synchronization; Composite video signal; Colour reproduction; Colour image transmission; Generation of colour; Composite video signal; CCVS; Colourimetry; Colour TV standards NTSC; Colour TV standards SECAM; Colour TV standards PAL; Measurements of colour; TV signals theory; Magnetic recording types of VTR; Structure of VTR; Y signal circuit; C signal circuit; Engineering aspects of video editing; Betacam BVP 75P; U-matics; Colour framing; Time code; Video tapes; Time base corrector; Special effect generator system connections; Signal waveform checking; Circuit adjustments; Colour camera fundamentals; Optical systems shading adjustment board; Signal generator; Preamplifier board; Contour correction board; Encoder and process board ; Introduction to basic CCD theory; Principles of CCD; Inter line transfer; Frame transfer; Frame inter line transfer; Features of CCD; CCD signal processing; CCD block; Overall block diagram of a CCD camera
Invited Countries:	Indonesia; Thailand; Laos; Viet Nam; Myanmar; Bangladesh; Bhutan; India; Maldives; Nepal; Pakistan; Fiji; Papua New Guinea; Western Samoa
Number of Participants:	Should not exceed 12 in total from the invited countries and not exceed three from Sri Lanka
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be diploma holders in electronics engineering or equivalent qualifications; (3) To be engineers/senior technical officers serving in a broadcasting organization and presently engaged in operation & maintenance of TV equipment; (4) To have three years practical experience in the field of television broadcasting engineering; (5) To be under 40 years of age in principle; (6) To have a sufficient command of spoken and written English; (7) To complete the Pre-Course Evaluation forms; (8) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	Sri Lanka Repavahini Corporation (SLRC), Sri Lanka Television Training Institute

Title: Information Technology—Structured Systems Analysis and Design Methodology

Cooperation Period:	JFY 1993-1997
Purpose:	To provide the participants, from South, Southeast Asian and Pacific countries with an opportunity to improve their knowledge and techniques in the field of information technology
Course Contents:	(1) Introducing the tools and techniques in systems analysis and design; (2) Tools and techniques in systems analysis and design and the need for a methodology; (3) Structured systems analysis and design methodology
Invited Countries:	Indonesia; Bangladesh; Bhutan; India; Maldives; Nepal; Pakistan; Fiji; Papua New Guinea
Number of Participants:	Should not exceed 12 in total from the invited countries and not exceed eight from Sri Lanka
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be presently employed, or expected to be engaged in the future in the information technology; (3) To have practical experience of more than three years in information systems development; (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):	Institute of Computer Technology (ITC), University Colombo

Title: Diploma Course in Dermatology

Cooperation Period:	JFY 1983–1998
Purpose:	(1) To enable junior dermatologists to be familiar with common skin diseases; know-how to explore the problems, diagnostic approaches and management; (2) To initiate the development of proper methods of study of skin diseases; (3) To furnish training in basic sciences and clinical dermatology to physicians who propose to follow full-time career in dermatology; (4) To provide an atmosphere emphasizing the acquisition of useful scientific knowledge and its application to provide an impetus for research and scholarship to nature of the entire learning process.
Course Contents:	(1) Lectures cover introduction to dermatology, bacteriology, clinical research and go in-depth details related to various kinds of diseases; (2) Clinical dermatology includes clinical demonstration O.P.D., I.P.D., and ward round, symposium, clinico-pathological conference, journal club and others; (3) Field trips; (4) Subspecialties includes mycology, dermatopathology, immunology contact dermatitis and photobiology
Invited Countries:	Indonesia; Malaysia; Philippines; Singapore; Cambodia; Laos; Viet Nam; China; Korea; Bangladesh; Bhutan; India; Maldives; Nepal; Pakistan; Sri Lanka; Fiji; Papua New Guinea
Number of Participants:	Should not exceed 14 in total from the invited countries and not exceed seven from Thailand
Qualification of Applicants:	(1) To be nominated by their respective government; (2) To have completed the degree in medical doctor; (3) To have at least one year of working experience in the field of dermatology and preferably in the government organizations; (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, to complete the course
Language of Instruction:	English
Training Institution(s):	Institute of Dermatology, Department of Medical Services, Ministry of Public Health

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

Cooperation Period:	JFY 1987–1997
Purpose:	To develop leadership and to enhance knowledge, skills and experience in Primary Health Care Planning, programming and management among health personnel and others in related fields
Course Contents:	Epidemiological studies in health systems; Health economics; Socio-economic and cultural perspective in PHC; Program planning and evaluation; Primary health care and quality of life development; Management of health information motion; Management of environmental health program; Health services administration; Research methodology; Computer application in health science; Health manpower planning and leadership development
Invited Countries:	Brunei; Indonesia; Malaysia; Philippines; Singapore; Cambodia; Laos; Viet Nam; Bangladesh; Bhutan; India; Nepal; Pakistan; Papua New Guinea
Number of Participants:	Should not exceed 12 in total from the invited countries and not exceed four from Thailand
Qualification of Applicants:	(1) To hold a M.D., D.D.S., D.V.M. or paramedical science degree from an accredited institution; (2) To have the practical experience of more than three years in the field of public health; (3) To be currently engaged in PHC or be engaged in PHC after completion of the course; (4) To be under 45 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):	ASEAN Institute for Health Development (AIHD) Mahidol University, Ministry of University Affairs

Title: Disaster Prevention and Mitigation

Cooperation Period:	JFY 1992–1996 (Last course will be held in April–May, 1997.)
Purpose:	To provide the participants from countries in the Asian-Pacific region with an op ortunity to upgrade relevant techniques and knowledge in the field of disaster prevention and mitigation activities.
Course Contents:	Preparedness and mitigation; Seismology and seismotectonics; Structural dynamics; Seismic analysis and design; Soil dynamics and foundations; Cyclone resistant design; Practical session

■ THAILAND ■

Invited Countries:	Iran; Pakistan; India; Nepal; Thailand; Indonesia; China; Philippines; Papua New Guinea; Malaysia; Brunei; Viet Nam; Laos; Mongolia; Bhutan; Bangladesh; Sri Lanka; Maldives; South Pacific Countries
Number of Participants:	Should not exceed 20 from the invited countries
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be engineers, planners, and/or technical personnel working in government/non-government organizations, research and development institutions and the private sector; (3) To be technical personnel associated with disaster prevention and mitigation-policy, planning or implementation works; (4) To be under 40 years of age; (5) To be university graduates, or have the equivalent academic background; (6) To have practical experience of more than five years in the field of disaster prevention and mitigation; (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 (Pregnancy is regarded as a disqualifying condition for participation in the course.); (9) To have a health certificate issued by the authorized physician
Language of Instruction:	English
Training Institution(s):	Asian Disaster Preparedness Center (ADPC), Asian Institute of Technology (AIT)
*Remarks:	General Information brochure (G.I.) will be distributed through ADPC's international network.

Title: Advanced Telecommunications Technology

Cooperation Period:	JFY 1993–1997
Purpose:	To provide participants with comprehensive theoretical and practical training in advanced telecommunications technology so that participants will be able to acquire sufficient knowledge in this field.
Course Contents:	(1) Cable communication— Digital SPC switching, PABX, Packet switching, PCM, optic fiber comm. data and digital image analysis, etc.; Laboratory and technical observation; Construction project; (2) General knowledge in Telecommunication — Telephone; Facsimile; Telegraph; Telex; Multiplex; Transmission; Computer; Telecommunication system; (3) Communication electronic circuits, etc. (4) Radio communication — Radio navigation aid; Radio engineering; Microwave comm.; Satellite comm.; Television eng.; Radio mobile system, etc.; Laboratory and technical observation; Construction project; (4) Special lecture by experts from Japan (NTT, KDD) — Digital switching; Data communication; (5) Study tour
Invited Countries:	Brunei; Indonesia; Malaysia; Philippines; Cambodia; Laos; Viet Nam; China; Korea; Bangladesh; Bhutan; Maldives; Nepal; Pakistan; Sri Lanka; Fiji; Papua New Guinea; Solomon Islands; Vanuatu; Western Samoa; Iran; Mauritius
Number of Participants:	Should not exceed 22 in total from the invited countries and not exceed five from Thailand
Qualification of Applicants:	(1) To have a diploma in science or engineering and/or an associated degree; (2) To have the practical experience of at least five years in the field of telecommunications technology; (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):	King Mongkut's Institute of Technology-Ladkrabang (KMITL), Ministry of University Affairs

Title: Soil Management Techniques

Cooperation Period:	JFY 1994–1998
Purpose:	To provide researchers in the neighboring Asian countries with an opportunity to upgrade relevant knowledge concerning soil management techniques.
Course Contents:	(1) Lecture and laboratories— Aerial photo and remote sensing; Soil survey and soil classification; Soil mapping; Soil salinity; Land evaluation and soil suitability; Land use planning; Agroclimatology; Computerized system; Biology of nitrogen fixing organisms; (2) Practical — Field and practical study; (3) Study tour and observation visits — Faculty of Agriculture, Khon Kaen University; Khao Suan Kwang Demonstration Farm, ADRC; Agricultural Research and Experiment Stations in Northeast of Thailand; Farmer fields; (4) Special seminar — Country report
Invited Countries:	Cambodia; Laos; Viet Nam; China; Bangladesh; Nepal; Pakistan; Sri Lanka
Number of Participants:	Should not exceed 16 in total from the invited countries and not exceed four from Thailand
Qualification of Applicants:	(1) To be presently engaged or expected to be engaged in the near future in soil research; (2) To have

	academic career on soil science; (3) To have the certificate, or bachelor of science, or to have the equivalent academic background; (4) To be under 45 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):	Agricultural Development Research Center (ADRC) (Khon Kaen), Ministry of Agricultural and Cooperatives

Title: Enhancing Women's Role in Rural Development

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 life-styles, 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 Countries:	Indonesia; Malaysia; Philippines; Cambodia; Laos; Viet Nam; China; Bangladesh; Nepal; Pakistan; Sri Lanka
Number of Participants:	Should not exceed 17 in total from the invited countries and not exceed three 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 three 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 (NAETC), Ministry of University Affairs

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

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 Countries:	Cambodia; Laos; Viet Nam
Number of Participants:	Should not exceed 18 in total from the invited countries and not exceed two 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 five 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 submit-

	ted 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

Title: Sustainable Highland Agriculture Development

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 Countries:	Cambodia; Laos; Viet Nam; China; Bhutan; Nepal
Number of Participants:	Should not exceed 18 in total from the invited countries and not exceed two from Thailand
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To have professional experience of more than five 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

Title: Irrigation System Management for Sustainable Development

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 Countries:	Indonesia; Malaysia; Philippines; Cambodia; Laos; Viet Nam; China; Bangladesh; Bhutan; Maldives; Nepal; Pakistan; Sri Lanka
Number of Participants:	Should not exceed 22 in total from the invited countries and not exceed three 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 five 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)

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

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 in-

	dustrial 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 techniques; Application database (master file) creation functions; Updating application database; Master file utilization functions
Invited Countries:	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 three from Thailand (Approximately three persons per developing member economy may participate. If requested, the participation of more than three 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 Countries:	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 three from Thailand (Approximately three 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 three 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

■ FIJI ■

Title: Telecommunications

Cooperation Period:	JFY 1983–1997
Purpose:	To provide the participants from Pacific Region Countries with an opportunity to improve their knowledge and techniques in the field of telecommunications
Course Contents:	Routing and numbering plans; Teletraffic engineering and traffic forecasting; Introduction to pulse code modulation (PCM); PCM demonstration; digital switching; Call processing and value added network service (VANS); Network synchronisation; Cellular radio systems and mobile switching; Digital telecommunication network; Traffic theory; Digital telecommunications network planning; New services; Digital radio communication; Outline of radio technology; Basics of digital transmission technology; Digital radio technology; Radio communication network planning; Mobile radio communication systems; Overview of television transmission systems; Packet switching; Digital data network (DDN); Computer applications; Business systems; Facsimile transmission and levels; Network management; External plant network planning; Construction work control; Fault analysis; Maintenance activities in external plant; Overview of ISDN; Optical fibre; Telepower overview
Invited Countries:	Kiribati; Marshall Islands; Micronesia; Nauru; Papua New Guinea; Solomon Islands; Tonga; Tuvalu; Vanuatu; Western Samoa; Cook Islands; Niue; Palau; Maldives
Number of Participants:	Should not exceed 14 in total from the invited countries and not exceed six from Fiji
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 the field of telecommunications services in the governmental, public or private organizations; (3) To occupy or soon to occupy a senior post in telecommunications administration; (4) To have practical experience of more than three years in the field concerned; (5) To be under 40 years of age; (6) To have a good command of spoken and written English; (7) To be citizens of the nominating countries; (8) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	Telecommunication Training Center (TTC)

Title: Coastal Fisheries Development

Cooperation Period:	JFY 1984–1998
Purpose:	To provide the participants from South Pacific Countries with an opportunity to refresh and improve techniques and knowledge in coastal fisheries activities.
Course Contents:	(1) Lecture - - Fishing gear for coastal fisheries; Elements of materials & designing; Net fishing; Line fishing; Basic fish handling; Processing of cured fish products; Principles & procedures or small scale canning; Costing & basic marketing for fish products; Outboard maintenance; Hull maintenance & fibre glass repair; (2) Practical — Film/Video show; Twine work, hitching & net mending; Cured products; Processing of value added fish products; Small scale canning of tuna using pilot scale machine; Outboard motor maintenance (Powerhead overhaul/Lower unit overhaul/Test run engine and repair); Hull maintenance fibre glass repair
Invited Countries:	Fiji; Kiribati; Marshall Islands; Micronesia; Nauru; Solomon Islands; Tonga; Tuvalu; Vanuatu; Western Samoa; Cook Islands; Niue; Palau
Number of Participants:	Should not exceed 10 in total from the invited countries and not exceed six from Papua New Guinea
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To have practical experience of more than two years in the field concerned; (3) To be presently engaged or expected to be engaged in the future in the field of fisheries services in both government and private organizations; (4) To be under 40 years of age; (5) To have a good command of spoken and written English; (6) To be citizens of the nominating countries; (7) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	University of Papua New Guinea (UPNG)

■ ARGENTINA ■

Title: The Electrification of Railways

Cooperation Period:	JFY 1993–1997
Purpose:	To provide the participants from Latin American countries with an opportunity to improve their knowledge and techniques in the field of electrification of railways, through lectures and practices of methods and techniques related to the planning, administration and maintenance for modernization of railways
Course Contents:	Application of energy in various transport means and electrification, progress history of electrification; Power supply (to railway electric facilities) and DC substation; Commercial frequency and AC substation; Collecting power of DC and AC; Overhead conductor system; Comparative analysis of some types of electric traction; DC motor and some sorts of electric cars; AC electric car traction system, brake and structure; Signaling systems and their operational standards; Automatic signaling system, interlocking system and CTC; Outline of telephone systems for railway and its characteristics
Invited Countries:	Costa Rica; Cuba; Mexico; Brazil; Chile; Peru; Venezuela
Number of Participants:	Should not exceed 12 in total from the invited countries and not exceed two from Argentina
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 the equivalent academic background; (3) To have practical experience of more than five years in administration of railways or in railway technique; (4) To have fundamental knowledge with respect to electric railway and its operation planning; (5) To be presently engaged, or expected to be engaged in the future in planning of railway construction or improvement of railway system; (6) To be under 50 years of age; (7) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	Spanish
Training Institution(s):	National Railway Training Center (CENACAF)

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 Countries:	Mexico; Brazil; Chile; Colombia; Ecuador; Peru; Uruguay; Venezuela
Number of Participants:	Should not exceed 16 in total from the invited countries and not exceed two 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 three 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 (ESNP)

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 pa-

	thology; Physiology—Mineral metabolism in ruminants; CEDIVE—Practical approaches to diagnosis and control in field cases in ruminants
Invited Countries:	Mexico; Nicaragua; Bolivia; Brazil; Chile; Ecuador; Paraguay; Uruguay
Number of Participants:	Should not exceed 12 in total from the invited countries and not exceed three 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 two 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

■ BRAZIL ■

Title: Quality Control of the Measles Vaccine

Cooperation Period:	JFY 1988–1997
Purpose:	To provide participants from South American countries with an opportunity to update and upgrade relevant techniques and knowledge in the field of Quality Control of the measles vaccine, and thus to contribute to the control of the measles in south American countries
Course Contents:	(1) Introduction of quality control of biological product; (2) Cleaning and sterilization of implements and glassware for use in quality control; (3) Sterility test for biological product; (4) Potency test using tissue culture method; (5) Safety testing using experimental animals; (6) Production of a specific antiserum for use in identification of virus; (7) Chemical and physical control of final product; (8) Control of shipping and distribution
Invited Countries:	Bolivia; Ecuador; Paraguay; Uruguay
Number of Participants:	Should not exceed nine in total from the invited countries and not exceed one 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 the equivalent academic background; (3) To be engaged in production or control of medicines related to immunology or biology; (4) To have practical experience of three 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 and some knowledge of English; (7) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	Portuguese
Training Institution(s):	Oswaldo Cruz Foundation (FIOCRUZ)

Title: Forest Watershed Management

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/phitosociology; Legislation and planning; Practicum — Joint-zoning; Rain interceptation; Streamflow; Hydrological cycle/Hidric balance; Generation of streamflow in forested watershed; Forestry management water quantity; Water in the soil; Geology/Geomorphology; Vegetation mapping and soil use; Vegetation recoverage; Visit to Fazenda Cananéia/Watershed of the Agua da Cachoeira River; Forestry nurserie; Meteorolocial 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/Paranà
Invited Countries:	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 four 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 two 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

Title: Geriatrics

Cooperation Period:	JFY 1994–1998
Purpose:	To provide the participants from Latin American countries with an opportunity to improve their knowledge and techniques in the field of geriatrics and preventive medicine, through lectures and the treating of geriatric patients
Course Contents:	(1) General introductory courses — Geriatric biology; Preventive geriatrics; Social geriatrics; University teaching methods; Out-patient clinic for the aged; In-patient clinic for the aged; Laboratory practice for the aged; (2) Specific geriatric medicine — Cardiology of the aged; Dermatology of the aged; Hematology of the aged; Immunology of the aged; Gastroenterology of the aged; Physiology of the aged; Pneumology of the aged; Surgery of the aged; Nephrology of the aged; Urology of the aged; Proctology of the aged; Psychology of the aged; Endocrinology of the aged; Radiology of the

	aged; Neurology of the aged; Ophtalmology of the aged; Otorhinolaringology of the aged; Orthopedics of the aged
Invited Countries:	Costa Rica; Dominican Republic; Panama; Argentina; Bolivia; Chile; Colombia; Ecuador: Paraguay; Peru; Uruguay; Venezuela
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 a fundamental knowledge with respect to internal medicine; (3) To be engaged, or expected to be engaged in the future in preventing, treating and rehabilitation of geriatric patients; (4) To have practical experience of more than two years in medicine; (5) To be under 60 years of age; (6) To have a good command of spoken and written Spanish or Portuguese; (7) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	Portuguese
Training Institution(s):	Institute de Geriatria of Pontifícia Universidade Católica do Rio Grande do Sul (PUCRS)

Title: Protective Relaying for Electric Power Generation and Transmission Systems

Cooperation Period:	JFY 1994–1998
Purpose:	To provide the participants from Latin American countries with an opportunity to improve their knowledge and techniques in the field of protective relaying for electric power generation and transmission systems
Course Contents:	Theoretical classes; Lectures; Technical visits to CESP's hydroelectric power plants; Lectures/classes by Japanese expert; Practical classes; Technical visits in industries; Technical trips; Reports; Evaluation; [Topics] "PU" values; Transformer for instrument; Interpersonal relation; Work safety; Country report; Instrument transformer; Symmetric components; Teleprotection; Harmonics; Overvoltage; Ilha Solteira power plant; Ilha Solteira substation; Três Irmãos power plant; Short circuit calculation; Transformer protection; Bus bar protection; Transient; Analyses, statistics using disturbance register recorder; Japanese expert; Load flow; Digital protection in CESP; Line protection; Generator protection; Line protection; Essays; Synchronous compensation
Invited Countries:	El Salvador; Nicaragua; Panama; Argentina; Bolivia; Colombia; Ecuador; Paraguay; Peru; Uruguay; Venezuela; Angola
Number of Participants:	Should not exceed 12 in total from the invited countries and not exceed three from Brazil
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To have graduated in electric or electronic engineering; (3) To be engaged in survey, teaching or maintenance activities in the protective relaying for electric power generation and transmission systems; (4) To have practical experience of more than three years in protective relaying for electric power generation and transmission systems; (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):	Companhia Energética de São Paulo (CESP)

Title: Water Pollution Control

Cooperation Period:	JFY 1994–1998
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 water pollution control.
Course Contents:	Fundamentals of water pollution control; General concepts of water quality management; Fundamentals of flow measurement; Characterization of effluents and water bodies; Microbiological aspects of environmental sanitation; Biological aspects of environmental sanitation; Aquatic toxicology; Technology of water pollution control; International measures for the minimization of wastes; External measures for the treatment of effluents; Sludge treatment; Advanced wastewater treatment; Application of pollution control technologies; Analysis of pollution effects on natural water resources; Water quality monitoring; Mathematical models for assimilative capacity of receiving waters; Nonpoint source evaluation; Entrophication; Action plan and evaluation; Formulation and presentation of the action plan evaluation
Invited Countries:	Costa Rica; Dominican Republic; El Salvador; Guatemala; Honduras; Mexico; Nicaragua; Panama; Argentina; Bolivia; Chile; Colombia; Ecuador; Paraguay; Peru; Uruguay; Venezuela; Angola; Cape Verde; Guinea-Bissau; Mozambique; São Tomé and Príncipe
Number of Participants:	Should not exceed 12 in total from the invited countries and not exceed three from Brazil

■ BRAZIL ■

Qualification of Applicants: (1) To be nominated by their respective governments; (2) To have a fundamental knowledge with respect to water pollution control; (3) To be engaged, or expected to be engaged in the future in water pollution control; (4) To have practical experience of more than three years in water pollution control; (5) To be under 45 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): Companhia de Tecnologia de Saneamento Ambiental (CETESB)

Title: Vegetable Crops Production

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 Countries: 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 three 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 one 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 Pesquisam de Hortaliças (CNPH) of EMBRAPA

Title: Tropical Diseases

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

Invited Countries: Dominican Republic; El Salvador; Guatemala; Honduras; Nicaragua; Panama; Bolivia; Colombia; Ecuador; Paraguay; Peru; Uruguay; Venezuela; Angola; Mozambique

Number of Participants: Should not exceed 13 in total per year from the invited countries and not exceed two 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 three 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)

Title: Molluscan Culture

Cooperation Period:	JFY 1988–1997
Purpose:	To provide the participants from Latin American countries with an opportunity to develop relevant techniques and knowledge in the field of culture of mollusks and other species through practices, lectures and discussions, thus contributing to promote the development of aquaculture in Latin America
Course Contents:	(1) Theoretical modules— Applied biology to marine aquaculture; Marine aquaculture technology; Marine aquaculture engineering; Administration and economy of marine aquaculture; (2) Practical modules — Microalgae aquaculture; Mollusks larvae production; Mollusks seed production; Aquaculture technology; Macroalgae aquaculture; (3) Development of culture project
Invited Countries:	Costa Rica; Cuba; Dominican Republic; El Salvador; Guatemala; Honduras; Mexico; Nicaragua; Panama; Argentina; Brazil; Colombia; Ecuador; Peru; Uruguay; Venezuela
Number of Participants:	Should not 18 in total from the invited countries and not exceed four in total from the Republic of Chile
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be engaged in production or research in aquaculture and have occupational experience of more than two years in this field; (3) To be more than junior college graduates or to have equivalent academic background in the field concerned; (4) To be under 45 years of age in principle; (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):	Coastal Centreof Aquaculture and Marine Research, Faculty of Marine Science, Universidad Católica del Norte

Title: Management and Utilization of Plant Genetic Resources

Cooperation Period:	JFY 1994–1998
Purpose:	To provide the participants from Latin American countries with an opportunity to improve their knowledge and techniques in the field of plant genetic resources management and utilization and to share common experiences
Course Contents:	(1) Lecture — 1) Origin and diversity of plant genetic resources; 2) Plant genetic resources in Chile; (2) Lecture and practice — 1) Exploration & collection; 2) Classification & evaluation; 3) Seed storage management; 4) Quarantine & isolation; (3) Visit to genebank; (4) Short trip for collection practice; (5) Lecture, demonstration and practice --- Analytical results; Genetic improvement (Seed crops/Vegetatively propagated crops)
Invited Countries:	Costa Rica; Cuba; El Salvador; Guatemala; Honduras; Mexico; Nicaragua; Argentina; Bolivia; Brazil; Colombia; Ecuador; Paraguay; Peru; Uruguay; Venezuela
Number of Participants:	Should not exceed ten in total from the invited countries, and should not exceed two 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 plant genetic resources; (3) To have practical experience of more than two years in breeding or cultivation of plants; (4) To be university graduates or to have the equivalent academic background; (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):	Agricultural Research Institute (INIA)

Title: Mineral Processing and Metallurgy

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

■ CHILE ■

Invited Countries:	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 three 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 two 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 Investigation Minera y Metalurgica (CIMM)

Title: Effective Countermeasures Against Drug Offenses and Advancement of Criminal Justice Administration

Cooperation Period:	JFY 1988–1997
Purpose:	To conduct an overall examinations and evaluation of the problems of drug production, abuse, trafficking and handling of its profits, and prevention and control of them in Latin American and Caribbean countries with analysis both in theory and fact, as well as planning of feasible and effective regional solutions
Course Contents:	(1) Lecture — International cooperation in drug related crime prevention; Overview of the typology in the drugs domain; Repressive activities in connection with drugs; Money laundering; Overall drug abuse prevention, (2) Evaluation and follow up programmes; (3) Round table — Control and repression in connection with laundering of assets and securities
Invited Countries:	Bahamas; Barbados; Belize; Cuba; Dominican Republic; El Salvador; Guatemala; Honduras; Jamaica; Mexico; Nicaragua; Panama; Trinidad and Tobago; Argentina; Bolivia; Brazil; Chile; Colombia; Ecuador; Paraguay; Peru; Uruguay; Venezuela
Number of Participants:	Should not exceed 20 in total from the invited countries and not exceed two from Costa Rica
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be under 55 years of age; (3) To be university graduates, or to have the equivalent academic background; (4) To be engaged in criminal justice administrations, or other responsibilities related to the prevention, and control of drug offenses; (5) To have practical experience of more than five years in a related fields; (6) To be high-ranking officials at the policy-making level; (7) To have a good command of spoken and written Spanish; (8) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	Spanish
Training Institution(s):	United Nations Latin American Institute for Crime Prevention and the Treatment of Offenders (ILANUD)

Title: Basic Research for Control of Infectious Communicable Diseases

Cooperation Period:	JFY 1993–1997
Purpose:	To provide participants from Latin-American countries with an opportunity to improve and upgrade their knowledge and techniques concerning early detection of infectious diseases at the ultrastructural level as well as diagnosis of viral hepatitis, AIDS, malaria, filariasis and chagas diseases for human beings and viral, bacterial pathogens for livestock and crops
Course Contents:	Scientific photography; Microscopy I (Light microscope); Microscopy II (Transmission and scanning electron microscope); Equipments necessary for specimen preparation; Specimen preparation of TEM and SEM; Analysis and interpretation of electromicrograph
Invited Countries:	Dominican Republic; El Salvador; Guatemala; Honduras; Mexico; Panama; Chile; Colombia; Ecuador; Peru; Venezuela
Number of Participants:	Should not exceed nine in total from the invited countries and not exceed three from Costa Rica
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be under 35 years of age; (3) To be university graduates as a minimum, holding B.S. or higher academic background in the area of biology, medical science, veterinatly science, agronomy and pharmaceutical science; (4) To be engaged in organization equipped with electron microscope installation; (5) To have practical experience of more than two years in a related research activities; (6) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	Spanish
Training Institution(s):	University of Costa Rica

■ MEXICO ■

Title: Port Hydraulics Engineering

Cooperation Period:	JFY 1988–1997
Purpose:	To provide participants from Latin-American countries with an opportunity to improve and upgrade their knowledge and techniques in the field of Port Hydraulics Engineering for the port development, in particular the numerical simulation of irregular waves and tidal currents, thus contributing to the port development in Latin-American countries
Course Contents:	Handling of computers and programming by FORTRAN; Spectrum and equation of wave; Estimation of waves by cyclone; Transformation of wave; Diffraction of wave; Study tour to Salina Cruz Port; Calculation of tidal current; Analysis of data observed in the field; Introduction of the Japanese standard for design of port structures
Invited Countries:	Costa Rica; Cuba; Dominican Republic; El Salvador; Guatemala; Honduras; Nicaragua; Panama; Chile; Colombia; Ecuador; Peru; Venezuela
Number of Participants:	Should not exceed 14 in total from the invited countries and not exceed two from Mexico
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be university graduates in civil engineering, or to have the equivalent academic background; (3) To be presently engaged in port and harbour engineering; (4) To have the practical experience of more than three years in the related field; (5) To be under 35 years of age in principle; (6) To have a good command of spoken and written Spanish; (7) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	Spanish
Training Institution(s):	Port Hydraulics Center (Subgerencia de Estudios Bàsicos e Investigación)

Title: Electronics Control for Teachers

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 Countries:	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 three 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 three 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, Secretaria de Education Publica

Title: Shipping and Port Management

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 Countries:	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 three 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 two 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"

■ PERU ■

Title: Fishery Product Processing Technology

Cooperation Period:	JFY 1984–1998
Purpose:	To provide the participants from Latin American countries with an opportunity to refresh and improve their techniques and knowledge necessary for application of fishery product processing technology and thus to contribute to the effective utilization of marine protein resources
Course Contents:	(1) Lecture — Structure and chemical composition of marine resources; Fish muscle proteins; Fish lipid; Fish freshness and spoilage mechanism; Biochemical change in fish muscle during its cold storage; Sensorial evaluation of fresh fish; Fresh fish microbiology; Effect of catching methods on the quality of fresh fish; Ice production and its utilization in fisheries; Handling and preservation of fish on board, Unloading and transportation; Air transport of fresh fish; Quality criteria for fishery products; Quality assessment; HACCP system; General overview of HACCP system; Sanitary and hygienic planning in fish plants technically video projection; Monitoring, verification and control of HACCP; Regulation, regulating agencies, application of ISO-9000 Standards and certification; Applied biotechnology in fish technology; Fish silage; Fish products packaging; Introduction to canned fish technology; General processing of canned food; Heat treatment of low acid foods; Evaluation methods for heat treatment; Equipment heat treatment; Sterilization system; Quality control of canned products; Double seam evaluation; Principles of preservation of cured products; Fish salting and methods; Fish smoking and methods; Fish drying and methods; Fish cracker processing; Principles of freezing; Frozen fish and fish product processing; Fish paste principles; Fish paste processing technology (*SURIMI*); Texturization by freezing; Theoretical aspects on elaboration of texturized products; Fish sausage processing; Processed frozen foods; Sensorial evaluation system of fishery products; Classic methods of microbiological control; Quick methods for quality control; Diseases transmitted by foods; Intoxication and microbiological infection transmitted by fish and fishery products; Analytical methods for freshness determination and spoilage of fish and fishery products; Instrumental methods for quality control of foods; (2) Practice — Physical-organoleptic, Chemical and microbiological analysis of fresh fish; Handling and preservation of fish in plant; Treatment of raw materials; Elaboration of fishery products; Application of HACCP system; Application of HACCP system; Canned processing; Control and evaluation of double seam; Salted fish processing; Hot smoking; Cold smoking; Control of salt penetration; Fish drying processing; Fish cracker processing; Frozen fish processing; Elaboration of *SURIMI*; Elaboration of texturized products; Fish sausage processing; Elaboration of processed frozen foods; Sensorial evaluation of fishery products; Microbiological control; Microbiological control; Chemical analysis; Analysis by instrumentation
Invited Countries:	Costa Rica; Cuba; Dominican Republic; El Salvador; Guatemala; Honduras; Mexico; Nicaragua; Panama; Argentina; Bolivia; Brazil; Chile; Colombia; Ecuador; Paraguay; Uruguay; Venezuela
Number of Participants:	Should not exceed 20 in total from the invited countries and not exceed five from Peru
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be university graduates or to have equivalent academic background in the area related to fishery product processing technology; (3) To be engaged in the field of fishery product processing technology and have more than three years of experience in this field; (4) To be preferably between 25 and 35 years of age; (5) To have a good command of spoken and written Spanish; (6) To be citizens of the nominating countries; (7) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	Spanish
Training Institution(s):	Instituto Tecnológico Resquero del Perú (ITP)

Title: Earthquake Engineering and Disaster Mitigation Planning

Cooperation Period:	JFY 1989–1998
Purpose:	To diffuse the technology and knowhow of earthquake engineering and disaster mitigation planning at Japan-Peru Center for Earthquake Engineering and Disaster Mitigation (CISMID) to the related research institutions in the neighboring countries, especially in South America, and thus to contribute to disaster mitigation in the participating countries
Course Contents:	(1) Microzonation methods and techniques in Peru and its application to urban and regional planning; Microzonation in a broad sense; Microzonation and types of soil; Modern methods of instrumental seismology; Liquefaction of collapsible soil and resulted sliding; Microzonation and lifeline public systems; Geophysics applied to microzonation; Seismic risk analysis; Technical demonstration in structures laboratory; Microzonation for disaster mitigation planning; International Decade for Natural Disaster Reduction (IDNDR); Seismic microzonation in Popayan, Colombia; Technical demonstration in geotechnical laboratory; Microzonation cases in Peru; Seismic microzonation experience in San Juan and Mendoza, Argentina; Visit to sea-side cliff at Costa Verde and Callao; Seismic microzonation, Methodology and application; Damage and seismic design of piles; Planning of basic sanitary system against emergency situations; Vulnerability analysis of basic sanitary systems report; Seismic behavior of lifeline systems; Seismic microzonation in Quito, Ecuador; Per-

	manent round displacements due to soil liquefaction; Preparedness of basic sanitary systems against earthquake and floods; Seismic design of water supply system; Friction forces between buried pipelines and liquefied soil; emergency plan of water supply system of Lima City; Seismic waves amplification in soils; (2) Study tour to Arequipa City and Cusco City; Visit to Atarjea and La Molina/ Universidad Nacional San Agustin/Universidad National San Antonio Abad, Cusco; Case Study on Maca City; Technical visit — Maca City which was affected by Eruptions of Sabancaya Volcano; Surrounding Area of the City Conference on Case Study of Ciudad Nueva de Majes; Surrounding Area of Cusco City
Invited Countries:	Costa Rica; El Salvador; Guatemala; Mexico; Argentina; Bolivia; Brazil; Chile; Colombia; Ecuador; Venezuela
Number of Participants:	Should not exceed 20 in total from the invited countries and not exceed five from Peru
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be a civil engineer with more than five years of experience in the field of earthquake engineering and disaster mitigation planning; or to be an architect, a geophysist, a geologist or an urban planner dedicated to microzonation and safety of lifeline public system studies; (3) To continue working in the above mentioned fields after returning to their home countries; (4) To have a good command of spoken and written Spanish; (5) To be under 50 years of age; (6) To be in good health, both physically and mentally, complete the course
Language of Instruction:	Spanish
Training Institution(s):	Japan-Peru Center for Earthquake Engineering and Disaster Mitigation (CISMID)

■ EGYPT ■

Title: International Training Course for African Nurse Leaders

Cooperation Period:	JFY 1985–1999
Purpose:	To design educational training program for nurses working in different setup
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 Countries:	Tunisia; Ethiopia; Gambia; Kenya; Malawi; Seychelles; South Africa; Swaziland; Tanzania; Uganda; Zambia; Zimbabwe; Angola; Burundi; Cameroon; Congo; Guinea; Madagascar; Mauritania; Senegal; Sierra Leone
Number of Participants:	Should not exceed 20 in total from the invited countries and not exceed 10 from Egypt (Preferably two participants from each invited country should be nominated to attend this course, nurses nominated to this course should be involved in training field in their countries.)
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

Title: Welding Technology for Engineers

Cooperation Period:	JFY 1989–1998
Purpose:	To provide graduates from the engineering faculty of a university or the equivalent with theoretical and practical knowledge of welding metallurgy, welding processes, nondestructive tests, etc.
Course Contents:	(1) Welding technology — Introduction to welding technology; Welding processes; Welding machines; Physics of welding; (2) Materials and welding consumables — Introduction to steel alloys; Laser beam welding; Introduction to aluminum alloys; Quality and selection of welding materials; QA/QC systems; (3) Welding and weldability of commercial alloys — Introduction to welding metallurgy; Welding of carbon steel; Corrosion of welding joints; Welding of stainless steel; Welding of aluminum; (4) Welding design — Welding of cast iron; Welding design; Weld symbols, Drawing and joint preparation and fabrication; Pipe welding; welding discontinuity; (5) Nondestructive testing and welding inspection — Introduction to NDT and welding inspection; Radiographic testing; Ultrasonic testing; Magnetic particles testing; Dye penetrant testing; NDT standards
Invited Countries:	Ethiopia; Eritrea; Ghana; Kenya; Malawi; Namibia; South Africa; Tanzania; Uganda; Zambia; Zimbabwe; Cameroon; Djibouti; Guinea; Senegal; Sierra Leone
Number of Participants:	Should not exceed 20 in total from the invited countries
Qualification of Applicants:	(1) To be citizens of the nominating countries; (2) To be nominated by their respective governments; (3) To be engaged in welding engineering or research; (4) To be university graduates or to have equivalent academic background with more than three years of occupational experience in this field; (5) Have a good command of spoken and written English; (6) To be under 40 years of age; (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.)
Language of Instruction:	English
Training Institution(s):	Central Metallurgical Research and Development Institute (CMRDI)

Title: Rice Processing Technology

Cooperation Period:	JFY 1994–1998
Purpose:	To provide the participants from African countries with an opportunity to improve and upgrade their knowledge and techniques in the field of rice processing technology
Course Contents:	Rice in the world & in Egypt; Rice milling society in Egypt; General idea about RTTC; Paddy harvesting & threshing; Paddy handling; Drying & storage; Small scale rice milling equipment; Modern rice milling technology & equipment; Quality control & processing systems; Rice parboiling; By-products utilization; Reporting of country report

Invited Countries:	Morocco; Ghana; Kenya; Malawi; Tanzania; Zambia; Côte d'Ivoire; Madagascar; Mali; Mauritania; Senegal
Number of Participants:	Should not exceed 14 in total from the invited countries and not exceed two from Egypt
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be university graduates or to have equivalent academic background, who has practical experience of more than three years in rice processing; (3) To have a good command of spoken and written English; (4) To be under 45 years of age; (5) To be citizens 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):	Rice Technology Training Centre

Title: Construction Equipment Training for Palestinians

Cooperation Period:	JFY 1994–1998
Purpose:	To provide participants with techniques and knowledge on planning and management of maintenance workshops as well as maintenance of construction machinery
Course Contents:	(1) Outline of construction machinery; (2) Management of construction machinery; a) Selection of machine; b) Construction work method; c) Productivity; d) Training and safety; e) Preventive maintenance; f) Cost of construction machinery; g) Management of spare parts; h) Management of parts supply; i) Standard man-hours of repair; j) Workshop administration; (3) Structure & function of major components (engine, torque converter, etc.); (4) Maintenance; a) Classification of maintenance and oil wear analysis; b) Wear inspection, preventive maintenance, Troubleshooting and measuring tools; c) Disassembly and assembly of components; d) Reusable parts; e) Testing method after assembly for Engine and Hydraulic components; (5) Operation of several types of construction machinery; (6) Study tour and observation; (7) Japan today
Invited Countries:	Palestine
Number of Participants:	Should not exceed 20
Qualification of Applicants:	(1) To be Palestinian nominated by the United nation Development Program in Jerusalem Palestinian National authority; (2) To be engaged in or expected to be engaged in future in construction equipment management; (3) To be technical school graduates or engineers, with two years working experience or its equivalent; (4) To be under 35 years of age; (5) To have a good command of spoken and written English and Arabic; (6) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English and Arabic
Training Institution(s):	Construction Equipment Training Center (CETC)

Title: Earthquake Observers (Seismologist) for Africa

Cooperation Period:	JFY 1991–1998
Purpose:	To create a new generation of African Seismologist and to provide the participants from African and countries with an opportunity to upgrade relevant techniques, knowledge and research capabilities in the field of seismology
Course Contents:	(1) Lectures --- Introduction to NRIAG; Orientation; earthquake generation and their geographical distribution; Seismograph theory; Seismic waves; Seismic stations, Seismological networks; Digital seismology, Radio telemetry networks, Seismological array system; Seismogram reading; Earthquake geology; Earthquake intensity, Energy, Moment; Micro-earthquake survey; Global monitoring system; Earthquake focal mechanism; Investigation of underground structure; Introduction to seismic prospecting; Principle of plate tectonics; Principle of deep seismic sounding; Physical background of discrimination; Discrimination between nuclear explosion and earthquake; Seismic hazards; Lessons learned from case history; An Introduction to microzoning; Paleaseismicity; Strong motion seismology, Earthquake engineering; Induced earthquakes; Earthquake prediction; (2) Practical — Seismogram analysis; Earthquake locations; Data-seis play-back system; Portable seismic station; Earthquake source parameters; Graphical fault plane solution; Data acquisition; Underground structure; Seismic hazard; Digital field station; Site selection and installation of radiotelemetary stations; Routine work at hurghada seismogical center, case of digital data processing; Routing work at Aswan Seismological Center, case of analog and digital data processing; Processing of broad-band data; (3) Study tour — Active area at Aqaba Gulf; Kottamia Broad-band Station; Hurgada Seismological Center; Aswan Seismological Center; Paleaseismic Records at Luxor
Invited Countries:	Algeria; Morocco; Tunisia; Botswana; Ethiopia; Eritrea; Ghana; Kenya; Malawi; Namibia; Swaziland; Tanzania; Uganda; Zambia; Zimbabwe; Cameroon; Chad; Madagascar; Mozambique; Senegal; Zaire

■ EGYPT ■

Number of Participants:	Should not exceed 20 in total from the invited countries and not exceed five from Egypt
Qualification of Applicants:	(1) To be citizens of the nominating countries; (2) To be nominated by their respective governments; (3) To be engaged in seismology or related subjects; (4) To be university graduates or to have equivalent academic background with about three years of occupational experience in this field; (5) To have a good command of spoken and written English; (6) To be under 40 years age; (7) To be in a good health, both physically and mentally, to complete the course (Pregnancy is regarded as a disqualifying condition for participation in the course.); (8) To submit a certificate to prove that he/she is free from AIDS
Language of Instruction:	English
Training Institution(s):	Seismological Department at NRIAG

Title: Clinical Immunology of Infectious Diseases and an Introduction to Molecular Biology

Cooperation Period:	JFY 1996 - 1998
Purpose:	To provide opportunities for participants to enhance their current technical skills in laboratory medicine and research capabilities in the field of infectious diseases (The course will help maximizing the contribution of participants to their countries health development, especially in the field of protection against infectious diseases, through the laboratory diagnosis.)
Course Contents:	Lectures (1) Fundamental Immunology — Adaptive & Innate immunology; Cells involved in the immune response; Cell mediate immunity; Humoral immunity; Complement; Antigen recognition; Cell interaction in the immune system; Regulation of the immune system; MHC and genetic control of immune system; Tumor markers; (2) Immunity to viruses & bacteria; (3) Hepatitis B virus and hepatitis C virus -- Virology of hepatitis; Epidemiology of HBV & HCV; Pathology of viral hepatitis; Clinical features of HBV and HCV; Diagnosis of HBV; Diagnosis of HCV
Invited Countries:	Botswana; Ethiopia; Eritrea; Ghana; Kenya; Malawi; Seychelles; South Africa; Swaziland; Tanzania; Uganda; Zambia; Zimbabwe; Madagascar; Mozambique; Niger; Senegal
Number of Participants:	The total number of participants will be 15, 12 from African countries, and three from Egypt
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be college/university graduates (medical doctor, scientists, or technologist) working as a bench worker, and involved in training or supervision of bench worker staff; (3) To be engaged in laboratory diagnosis of infectious diseases; and have some practical experience on one or more of the relevant subjects of the course; (4) To be in a mid-career leader position; (5) To be between 25 to 45 years of age with at least three-year practical experience; (6) To have a good command of spoken and written English; (7) To be citizens of the nominating countries; (8) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	Faculty of Medicine, Suez Canal University

Title: System Engineering

Cooperation Period:	JFY 1993–1997
Purpose:	To provide the participants from the Middle Eastern countries with an opportunity to upgrade relevant techniques and knowledge in the field of system engineering
Course Contents:	(1) System design 1) System development outline; 2) System analysis; 3) Prog. structure design; 4) Module design; 5) Test planning; (2) System development 1) UNIX; 2) Database design; 3) Database programming; 4) Database administration; (3) Advanced system analysis and design 1) Data communication network design; 2) System performance; 3) Reliable system design; 4) Capacity design; 5) Project management game; (4) System development workshop
Invited Countries:	Bahrain; Lebanon; Oman; Saudi Arabia; Syria; Yemen; Algeria; Egypt; Morocco; Tunisia; Mauritania
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 have a university degree in computer system development or have a community college diploma with at least four years experience in computer system development; (3) To be able to program in COBOL or other high level languages; (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
Language of Instruction:	English
Training Institution(s):	Computer Technology, Training and Industrial Studies Centre (CTTISS), Royal Scientific Society

Title: Electric Power Training for Palestinians

Cooperation Period:	JFY 1994–1998
Purpose:	To provide the participants with the necessary practical and theoretical information in the field of transformer substations and cable laying and jointing for L&M voltages
Course Contents:	(1) Construction and maintenance of distribution networks; (2) Construction and maintenance of outdoor substations; (3) Construction and maintenance of indoor substations; (4) Construction and maintenance of overhead transmission lines; (5) Operation and maintenance of power station; (6) Maintenance of transformers
Invited Countries:	Palestine
Number of Participants:	Should not exceed 20 from Palestine
Qualification of Applicants:	(1) To be a Palestinian nominated by the UNDP in Jerusalem; (2) To be around 25 years of age, in principle; (3) To be a fresh electrical engineer or a high school graduate specialized in scientific or industrial studies as a minimum; (4) To be presently engaged in, or expected to be engaged in the future, in the electric power industry; (5) To be in good health, both physically and mentally, to complete the course; (6) To be good in Arabic, reading and writing and it is preferable to be good in English
Language of Instruction:	Arabic
Training Institution(s):	Electric Training Centre (ETC)

Title: Medical Equipment Maintenance Training for Palestinians

Cooperation Period:	JFY 1995–1997
Purpose:	To provide the Palestinian participants with an opportunity to improve their knowledge and techniques in the field of medical equipment maintenance
Course Contents:	[Topics] Radiology; Operating theaters and general surgery equipment; Monitoring systems and emergency; Laboratory equipment; Medical gas systems; ENT equipment; Audiometers equipment; Physiotherapy equipment; [Basic principles] Restraints related to installation; Principles and restrains of functioning; General guidelines for maintenance (preventive or curative); Problems related to misuse of equipment
Invited Countries:	Palestine
Number of Participants:	10 qualified engineers and technicians from the West Bank and Gaza Strip
Qualification of Applicants:	(1) To be Palestinians nominated by the Palestinian Authority; (2) To be presently engaged in, or expected to be engaged in the future in medical equipment maintenance; (3) To be college or university graduates, specialized in biomedical engineering or electronics engineering or communication engineering studies; (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
Language of Instruction:	English and Arabic
Training Institution(s):	Electronic Services & Training Centre (ESTC), Royal Scientific Society (RSS)

■ SAUDI ARABIA ■

Title: Safety Requirements for Household Appliances

Cooperation Period:	JFY 1996–2000
Purpose:	(1) To provide the participants with an opportunity to widen their knowledge on the safety requirements 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 Countries:	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 four from Saudi Arabia
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be engaged in safety requirements for household appliances; (3) To be at least a technical school graduate or to have 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 three years practical experience; (7) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	Saudi Arabian Standards Organization (SASO)

Title: Exploration and Evaluation of Underground Resources

Coopération Period:	JFY 1996–2000
Purpose:	To train the geoscientists of the third countries in exploration and evaluation of the mineral resources and to provide cooperation among them
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; Lithogeochemistry; 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 Countries:	Bosnia and Herzegovina; Azerbaldjan; Kazakhstan; Kyrgyz; Tadzhikistan; Turkmenistan; Uzbekistan
Number of Participants:	Should not exceed 21 in total from the invited countries (Maximum three from each country)
Qualification of Applicants:	(1) To be under 40 years of age; (2) To have at least B.Sc. degree in geology or other diplomas in combination with geology; (3) To have 5–15 years professional experience
Language of Instruction:	Turkish (Simultaneous English translation provided)
Training Institution(s):	General Directorate of Mineral Research Exploration

■ CÔTE D'IVOIRE ■

Title: Endoscopy of Gastrointestinal Diseases

Cooperation Period:	JFY 1984–1998
Purpose:	To provide the participants from French-speaking African countries with an opportunity to improve their knowledge and techniques in the field of endoscopy of gastrointestinal diseases
Course Contents:	(1) Theory — Anatomy and physiology; Diagnosis of gastrointestinal diseases and treatment; (2) Practice — Anoscopy; Laparoscopy; Fiberscopy; Photographic technique; Manipulation of endoscope accessories; Biopsy technique; Manipulation of endoscope illuminator; Endoscopic treatment
Invited Countries:	Benin; Burkina Faso; Cameroon; Central Africa; Chad; Guinea; Madagascar; Mali; Senegal; Togo; Burundi; Niger; Gabon
Number of Participants:	Should not exceed eight in total from invited countries, and not exceed two from Côte d'Ivoire
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be medical doctors, hopefully who have practical experience of more than one year in the field of gastrointestinal diseases; (3) To be expected to get engaged in the field of endoscopic treatment of gastrointestinal diseases in the future; (4) To be under 40 years of age; (5) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	French
Training Institution(s):	Hospital Center of Treichville University

Title: Laboratory Diagnosis of Yellow Fever and Other EPI Viral Diseases

Cooperation Period:	JFY 1996–1998
Purpose:	To provide participants from African countries at risk of yellow fever with laboratory skills to diagnose yellow fever, polio and measles
Course Contents.	(1) Lectures — Disease control and eradication initiatives; Global history of yellow fever; Overview of YF in Africa; Laboratory diagnosis of YF; YF surveillance; Identification of YF virus; YF antibody assays; Plaque reduction neutralization test for YF antibody; YF IgM assay; Immunofluorescence; YF vaccine; Preparation of polio virus in cell culture; OPV potency testing; Measles disease and differential diagnosis; Viral haemaglutination and the HAT test; (2) Practical — Maintenance and cryopreservation of cell cultures; Isolation of YF virus in cell culture; Isolation of YF virus in mice; Neutralization test in mice for YF virus identification; Plaque reduction neutralization test; YF IgM capture ELISA; Identification of YF virus by immunofluorescence; YF vaccine potency test; Isolation of polio virus in cell culture; Microneutralization test for polio virus identification/for enterovirus identification; OPV potency test in cell culture; Measles IgM capture ELISA; HAT test for measles antibody/for YF flaviviruses
Invited Countries:	Ethiopia; Eritrea; Kenya; Liberia; Tanzania; Uganda; Cameroon; Sierra Leone; Togo
Number of Participants:	Should not exceed 10 in total from invited countries, and not exceed two from Ghana
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be engaged by the nominating governments ; (3) To have an appropriate university qualification or advanced technical diploma; (4) To be scientists or senior technologists in laboratories engaged in diagnostic virology and vaccine potency testing in EPI; (5) To have practical experience of several years in microbiology and at least one year's bench experience in virology; (6) To be under 45 years of age in principle; (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):	Noguchi Memorial Institute for Medical research (NMIMR), University of Ghana

■ KENYA ■

Title: Applied Electrical and Electronic Engineering Technology

Cooperation Period:	JFY 1993–1997
Purpose:	To enhance the application of electrical and electronic engineering technology in improving the social economic status of the people of Central, Eastern and Southern African regions, and to provide a forum for imparting and exchanging new developments and innovations in electrical and electronic engineering technology
Course Contents:	Circuit analysis and testing; Manual PCB design; Computer aided PCB design; Processing of the PCB; Discussion and evaluation of the training program; Study tour
Invited Countries:	Botswana; Lesotho; Malawi; Namibia; Seychelles; Swaziland; Tanzania; Uganda; Zambia; Zimbabwe
Number of Participants:	Should not exceed 13 in total from the invited countries and not exceed two from Kenya
Qualification of Applicants:	(1) To be nominated by their respective government; (2) To be presently engaged, or expected to be engaged in the future in electronic engineering; (3) To university graduates or to have a diploma in electrical and/or electronic engineering or in other related fields with al least five years of experience; (To have a basic knowledge o f computers; (5) To be under 40 years of age at the time of application; (6) To be in good health, both physically and mentally, to complete the course
Language of Instruction:	English
Training Institution(s):	Jomo Kenyatta University of Agriculture and Technology (JKUAT)

Title: Promotion of Social Forestry in Africa

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 form African countries with an opportunity to improve their knowledge and technique in the field of social forestry
Course Contents:	Introduction of SF/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 Countries:	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 two 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., in governmental or non-governmental organizations; (3) To have practical experience of more than five 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):	Social forestry Training Centre of KEFRI Headquarters-Muguga KENYA

Title: Water Pollution and Its Analysis

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
Main Features of Curriculum:	[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 Countries:	Botswana; Ethiopia; Eritrea; Lesotho; Malawi; Namibia; Seychelles; Somali; South Africa; Swaziland; Tanzania; Uganda; Zambia; Zimbabwe; Burundi; Mauritius; Mozambique; Rwanda
Number of Participants:	Should not exceed 13 in total from the invited countries and not exceed two from Kenya
Qualification of Applicants:	(1) To be nominated by their respective governments; (2) To be engaged in all field related to water environment; (3) To have a university degree or a diploma, with at least three 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)

THE SCHEDULED COURSES IN JFY 1997

ASIAN REGION (1)

Implementing Country	Indonesia							
Course Title	Irrigation and Drainage Engineering	Agricultural Extention and Training Methodology	Post Surveillance and Forecasting	Erosion and Sediment Control Engineering	Earthquake Disaster Prevention for Building Engineers	Information Education and Communications in Family Planning	Electronic Engineering Education	
Cooperation Period	'85–99	'90–99	'90–99	'93–97	'93–97	'93–97	'93–97	
Participants (Invited Countries)	14	16	15	10	12	18	12	
(Implementing Country)	6	4	5	5	4	0	3	
Total	20	20	20	15	16	18	15	
Tentative Implementation Period	Nov–Dec '97	Nov–Dec '97	Dec'97–Jan'98	Oct–Nov '97	Aug–Sep '97	Jun–Jul '97	Oct–Nov '97	
Brunei				●	●		●	
Indonesia	O	O	O	O	O		O	
Malaysia	●	●	●	●	●	●	●	
Philippines	●	●	●	●	●	●	●	
Singapore					●			
Thailand	●	●	●	●	●		●	
Cambodia	●	●	●			●		
Laos	●	●	●			●	●	
Viet Nam	●	●	●	●		●		
China	●			●	●	●		
Myanmar								
Korea								
Mongolia						●		
Bangladesh	●	●	●	●	●	●		
Bhutan	●		●			●		
India	●	●	●	●	●	●		
Maldives						●		
Nepal	●	●	●	●	●	●		
Pakistan	●	●	●	●	●	●		
Sri Lanka	●	●	●	●	●	●		
Hong Kong								
Fiji		●		●	●			
Kiribati								
Nauru								
Papua New Guinea	●	●	●	●	●	●	●	
Solomon Islands		●		●				
Tonga		●		●				
Tuvalu								
Vanuatu								
Western Samoa		●		●	●			
Cook Islands								
Niue								
Iran								
Seychelles								
Mauritius								

● Invited country O Implementing country

ASIAN REGION (2)

Implementing Country	Malaysia								
Course Title	Information Systems Management	Advanced Skill Training on Programmable Logic Controller	Mold and Die Design Technology	Freshwater Aquaculture	Analytical Instrumentation for Ceramics	Biotechnological Techniques in Tropical Medicine	ASEAN Course in Specialized Diagnostic Techniques on Poultry Diseases	PFP/APEC Course on Standards and Conformity Assessment Schemes	
Cooperation Period	'93–97	'93–97	'94–98	'91–98	'94–98	'95–97	'96–00	96-00	
Participants (Invited Countries)	16	8	10	12	8	8	10	24	
(Implementing Country)	4	2	2	3	2	4	4	3	
Total	20	10	12	15	10	12	14	27	
Tentative Implementation Period	Oct-Oct '97	Sep-Sep '97	Sep-Oct '97	May-Jun '97	Oct-Oct '97	Sep-Oct '97	Jul-Aug '97		
Brunei	●		●	●	●				
Indonesia	●	●	●	●	●	●	●	●	
Malaysia	○	○	○	○	○	○	○	○	
Philippines	●	●	●	●	●	●	●	●	
Singapore				●	●				
Thailand	●	●	●	●	●	●	●	●	
Cambodia		●	●	●	●	●	●		
Laos	●	●	●	●	●	●			
Viet Nam	●	●	●	●	●	●	●		
China				●		●		●	
Myanmar				●					
Korea								●	
Mongolia				●					
Bangladesh	●	●	●	●	●	●			
Bhutan	●		●	●					
India				●					
Maldives	●	●	●			●			
Nepal	●	●	●	●		●			
Pakistan	●	●	●	●	●	●			
Sri Lanka	●	●	●	●	●	●			
Hong Kong									
Fiji	●	●	●			●			
Kiribati		●				●			
Nauru	●	●				●			
Papua New Guinea	●	●	●			●		●	
Solomon Islands	●	●				●			
Tonga	●	●				●			
Tuvalu									
Vanuatu	●	●				●			
Western Samoa	●	●				●			
Cook Islands									
Niue									
Iran									
Seychelles									
Mauritius									
Chile								●	
Mexico								●	

● Invited country ○ Implementing country

ASIAN REGION (3)

Implementing Country	Philippines						
Course Title	Principles and Practices of Appropriate Technology Development	Transportation Development Management for Executives	Telecommunications Outside Plant Engineering	Coastal Aquaculture	Computer-Based Instructional Materials Development	Improvement of Occupational Safety and Health in Small and Medium-sized Enterprises	
Cooperation Period	'89-93	'93-97	'93-97	'91-93	'96-98	'96-00	
Participants (Invited Countries)	18	18	15	15	13	18	
(Implementing Country)	5	3	3	2	1	2	
Total	23	21	18	17	14	20	
Tentative Implementation Period	Nov-Dec '97	Nov-Dec '97	Oct-Nov '97	Jul-Sep '97	Nov-Dec '97	Feb-Feb '98	
Brunei		●	●	●			
Indonesia	●	●	●	●	●	●	
Malaysia	●	●	●	●	●	●	
Philippines	O	O	O	O	O	O	
Singapore		●		●			
Thailand	●	●	●	●	●	●	
Cambodia		●	●	●			
Laos		●	●				
Viet Nam	●	●	●	●		●	
China		●	●	●		●	
Myanmar				●			
Korea					●		
Mongolia							
Bangladesh	●	●	●	●	●	●	
Bhutan					●		
India	●		●	●	●	●	
Maldives							
Nepal	●		●		●		
Pakistan	●		●	●	●	●	
Sri Lanka	●	●	●	●	●	●	
Hong Kong							
Fiji					●		
Kiribati							
Nauru							
Papua New Guinea		●	●		●		
Solomon Islands							
Tonga							
Tuvalu							
Vanuatu							
Western Samoa							
Cook Islands							
Niue							
Iran			●		●		
Seychelles							
Mauritius							

● Invited country O Implementing country

ASIAN REGION (4)

Implementing Country	Singapore										
Course Title	Electrical Supply, Transmission & Distribution	Computer Software Technology	Effective Management of Port Operations	Food Packaging	Products Protection Engineering in Logistics	*Kobun* System of Japan and Its Adaptation as the Neighborhood Police Post System in Singapore	Intelligent Systems for Management Information Systems (MIS) Managers	Mechatronic Systems Technology	Advanced Management Consultancy II	Environmental Management	
Cooperation Period	'88–97	'89–98	'90–99	'93–97	'94–98	'95–99	'95–99	'95–99	'96–99	'96–99	
Participants (Invited Countries)	20	20	14	16	18	18	20	20	16	20	
(Implementing Country)	4	3	1	4	0	3	0	0	0	0	
Total	20	23	15	20	18	21	20	20	16	20	
Tentative Implementation Period	Oct–Oct '97	Oct–Dec '97	Oct '97	Oct '97	Jun '98	Sep–Oct '97	Jul '97	Aug–Sep '97	Nov–Dec '97	Nov '97	
Brunei	●	●		●		●					
Indonesia	●	●	●	●	●	●	●	●	●	●	
Malaysia	●	●	●	●	●	●	●	●	●	●	
Philippines	●	●	●	●	●	●	●	●	●	●	
Singapore	O	O	O	O		O					
Thailand	●	●	●	●	●	●	●	●	●	●	
Cambodia		●	●	●	●	●	●	●	●	●	
Laos		●		●	●	●	●	●	●	●	
Viet Nam	●	●	●	●	●	●	●	●	●	●	
China	●		●	●	●	●	●	●		●	
Myanmar											
Korea											
Mongolia	●	●		●		●	●	●			
Bangladesh		●	●	●	●	●	●	●	●	●	
Bhutan		●					●	●			
India			●		●	●	●	●		●	
Maldives		●	●	●		●	●	●			
Nepal		●			●	●	●	●	●	●	
Pakistan										●	
Sri Lanka	●	●	●	●	●	●	●	●	●	●	
Hong Kong											
Fiji	●		●	●		●	●	●	●	●	
Kiribati											
Nauru											
Papua New Guinea	●	●	●	●	●	●	●	●			
Solomon Islands			●	●	●						
Tonga			●								
Tuvalu											
Vanuatu											
Western Samoa			●								
Cook Islands											
Niue											
Iran											
Seychelles				●							
Mauritius		●	●	●	●	●	●	●		●	
Palestine	●	●	●	●		●	●		●	●	

● Invited country O Implementing country

ASIAN REGION (5)

Implementing Country	Thailand										
Course Title	Diploma Course in Dermatology	Master's Degree Programme in Primary Health Care Management	Disaster Prevention and Mitigation	Advanced Telecommunications Technology	Soil Management Techniques	Enhancing Women's Role in Rural Development	Sustainable Agricultural Production in the Tropics for Cambodia, Laos and Viet Nam	Sustainable Highland Agriculture Development	Irrigation System Management for Sustainable Development	APEC/PTP Course on Management of Industrial Property Rights	APEC/PTP Course on Competition Policy
Cooperation Period	'83–98	'87–97	'93–96	'93–97	'94–98	'95–99	'95–99	'96–00	'96–00	'96–00	'96–00
Participants (Invited Countries)	14	12	21	22	16	17	18	18	22	24	24
(Implementing Country)	7	4	4	5	4	3	2	2	3	3	3
Total	21	16	25	27	20	20	20	20	25	27	27
Tentative Implementation Period	May '97–Feb '98	Aug '97–Jul '98	Apr–May '97	Jan–Feb '98	Jan–Mar '98	Oct–Nov '97	Jan–Feb '98	Jan–Mar '98	Feb–Mar '98	Feb–Mar '98	
Brunei		●	●	●					●		
Indonesia	●	●	●	●		●			●	●	●
Malaysia	●	●	●	●		●			●	●	●
Philippines	●	●	●	●		●			●	●	●
Singapore	●	●									
Thailand	O	O	O	O	O	O	O	O	O	O	O
Cambodia	●	●		●	●	●	●	●	●		
Laos	●	●	●	●	●	●	●	●	●		
Viet Nam	●	●	●	●	●	●	●	●	●		
China	●		●	●	●	●		●	●	●	●
Myanmar			●								
Korea	●			●						●	●
Mongolia											
Bangladesh	●	●	●	●	●	●			●		
Bhutan	●	●	●	●				●	●		
India	●	●	●								
Maldives	●		●	●					●		
Nepal	●	●	●	●	●	●		●	●		
Pakistan	●	●	●	●	●	●			●		
Sri Lanka	●		●	●	●	●			●		
Hong Kong											
Fiji	●			●							
Kiribati											
Nauru											
Papua New Guinea	●	●	●	●						●	●
Solomon Islands				●							
Tonga											
Tuvalu											
Vanuatu				●							
Western Samoa				●							
Cook Islands											
Niue											
Iran			●	●							
Seychelles											
Mauritius				●							
Chile										●	●
Mexico										●	●

● Invited country O Implementing country

ASIAN REGION (6)

Implementing Country	Pakistan		Sri Lanka	
Course Title	Advanced Management in Civil Air Transport	Operation and Maintenance of Construction Machinery	Colour Television Engineering	Information Technology — Structured Systems Analysis and Design Methodology
Cooperation Period	'87–99	'95–99	'88–97	'93–97
Participants (Invited Countries)	18	20	12	12
(Implementing Country)	4	0	3	8
Total	22	20	15	20
Tentative Implementation Period	Nov–Dec '97	Oct '97	Jul–Sep '97	Oct–Dec '97
Brunei				
Indonesia	●	●	●	●
Malaysia	●	●		
Philippines		●		
Singapore				
Thailand			●	
Cambodia				
Laos			●	
Viet Nam			●	
China				
Myanmar			●	
Korea				
Mongolia	●			
Bangladesh	●	●	●	●
Bhutan		●	●	●
India			●	●
Maldives	●		●	●
Nepal	●	●	●	●
Pakistan	O	O	●	●
Sri Lanka	●	●	O	O
Hong Kong				
Fiji			●	●
Papua New Guinea			●	●
Western Samoa			●	
Cook Islands				
Iran	●	●		
Jordan	●	●		
Kuwait	●			
Qatar	●			
Syria	●			
Turkey	●			
Yemen	●	●		
Algeria	●			
Egypt	●			
Morocco	●	●		
Sudan	●			
Tunisia	●			
Ethiopia		●		
Ghana	●	●		
Kenya		●		
Tanzania	●	●		
Uganda		●		
Zambia		●		
Zimbabwe	●	●		
Central Africa		●		
Mauritius	●	●		
Azerbaijan	●			
Turkmenistan	●			

● Invited country O Implementing country

OCEANIAN REGION

Implementing Country	Fiji		PNG
Course Title	Telecommunications	Coastal Fisheries Development	
Cooperation Period	'83–97	'84–98	
Participants (Invited Countries)	14	10	
(Implementing Country)	6	6	
Total	20	16	
Tentative Implementation Period	Aug–Oct '97	Nov–Dec '97	
Fiji	○	●	
Kiribati	●	●	
Marshall Islands	●	●	
Micronesia	●	●	
Nauru	●	●	
Papua New Guinea	●	○	
Solomon Islands	●	●	
Tonga	●	●	
Tuvalu	●	●	
Vanuatu	●	●	
Western Samoa	●	●	
Cook Islands	●	●	
Niue	●	●	
Palau	●	●	
Maldive	●		

● Invited country ○ Implementing country

LATIN AMERICAN REGION (1)

Implementing Country	Costa Rica				Mexico			Argentina	
Course Title	Effective Countermeasures Against Drug Offenses and Advancement of Criminal Justice Administration	Basic Research for Control of Infectious Communicable Diseases	Port Hydraulics Engineering	Electronics Control for Teachers	Shipping and Port Management	The Electrification of Railways	International Seminar on Fisheries	Diagnosis and Research on Domestic Animal Diseases	
Cooperation Period	'88–97	'93–97	'88–97	'96–00	'96–00	'93–97	'91–00	'96–00	
Participants (Invited Countries)	20	9	14	11	16	12	16	12	
(Implementing Country)	2	3	2	3	3	2	2	3	
Total	22	12	16	14	19	14	18	15	
Tentative Implementation Period	Jul–Aug '97	Jun–Nov '97	Oct–Dec '97	Jul–Aug '97	Feb–Mar '97	Sep–Oct '97	Aug '97	Sep–Oct '97	
Antigua									
Bahamas	●								
Barbados	●								
Belize	●			●	●				
Costa Rica	○	○	●	●	●	●			
Cuba	●		●	●	●	●			
Dominica									
Dominican Republic	●	●	●	●					
El Salvador	●	●	●	●	●				
Grenada									
Guatemala	●	●	●	●	●				
Haiti				●	●				
Honduras	●	●	●	●	●				
Jamaica	●			●	●				
Mexico	●	●	○	○	○	●	●	●	
Nicaragua	●		●	●	●			●	
Panama	●	●	●	●	●				
St. Christopher & Nevis									
St. Lucia				●					
St. Vincent & the Grenadines									
Trinidad and Tobago	●								
Argentina	●				●	○	○	○	
Bolivia	●				●			●	
Brazil	●					●	●	●	
Chile	●	●	●		●	●	●	●	
Colombia	●	●	●	●			●		
Ecuador	●	●	●	●	●		●	●	
Guyana									
Paraguay	●							●	
Peru	●	●	●	●	●	●	●		
Suriname									
Uruguay	●				●		●	●	
Venezuela	●	●	●	●	●	●	●		

● Invited country ○ Implementing country

LATIN AMERICAN REGION (2)

Implementing Country	Brazil						
Course Title	Quality Control of the Measles Vaccine	Forest Watershed Management	Geriatrics	Protective Relaying for Electric Power Generation and Transmission Systems	Water Pollution Control	Vegetable Crops Production	Tropical Diseases
Cooperation Period	'88-97	'90-99	'94-98	'94-98	'94-98	'95-99	'96-00
Participants (Invited Countries)	9	11	20	12	12	12	13
(Implementing Country)	1	4	0	3	3	3	2
Total	10	15	20	15	15	15	15
Tentative Implementation Period	Mar-Jun '98	Aug-Sep '97	Jul-Aug '97	Jun-Jul '97	Oct-Nov '97	Jun-Jul '97	Aug-Nov '97
Antigua							
Bahamas							
Barbados							
Belize							
Costa Rica			●		●		
Cuba							
Dominica							
Dominican Republic			●		●	●	●
El Salvador				●	●	●	●
Grenada							
Guatemala					●	●	●
Haiti							
Honduras					●	●	●
Jamaica							
Mexico					●		
Nicaragua				●	●	●	●
Panama			●	●	●	●	●
St. Christopher & Nevis							
St. Lucia							
St. Vincent & the Grenadines							
Trinidad and Tobago							
Argentina		●	●	●	●		
Bolivia	●	●	●	●	●	●	●
Brazil	O	O		O	O	O	O
Chile		●	●		●		
Colombia		●	●	●	●	●	●
Ecuador	●	●	●	●	●	●	●
Guyana							
Paraguay	●	●	●	●	●	●	●
Peru		●	●	●	●	●	●
Suriname							
Uruguay	●	●	●	●	●	●	●
Venezuela		●	●	●	●	●	●
Angola				●	●	●	●
Cape Verde		●			●		
Guinea-Bissau					●		
Mozambique		●			●	●	●
São Tomé and Príncipe					●		

● Invited country O Implementing country

LATIN AMERICAN REGION (3)

Implementing Country	Chile				Peru	
Course Title	Molluscan Culture	Management and Utilization of Plant Genetic Resources	Mineral Processing and Metallurgy	Fishery Product Processing Technology	Earthquake Engineering and Disaster Mitigation Planning	
Cooperation Period	'83-97	'91-98	'95-99	'81-98	'89-98	
Participants (Invited Countries)	18	10	12	20	20	
(Implementing Country)	4	2	3	5	5	
Total	22	12	15	25	25	
Tentative Implementation Period	Oct-Nov '97	Mar '98	Jul-Sep '97	Jan-Mar '98	Oct-Nov '97	
Antigua						
Bahamas						
Barbados						
Belize						
Costa Rica	●	●	●	●	●	
Cuba	●	●		●	●	
Dominica						
Dominican Republic	●			●		
El Salvador	●	●		●	●	
Grenada						
Guatemala	●	●	●	●	●	
Haiti						
Honduras	●	●	●	●		
Jamaica						
Mexico	●	●	●	●	●	
Nicaragua	●	●	●	●		
Panama	●			●		
St. Christopher & Nevis						
St. Lucia						
St. Vincent & the Grenadines						
Trinidad and Tobago						
Argentina	●	●	●	●	●	
Bolivia		●	●	●	●	
Brazil	●	●	●	●	●	
Chile	O	O	O	●	●	
Colombia	●	●	●	●	●	
Ecuador	●	●	●	●	●	
Guyana						
Paraguay		●		●		
Peru	●	●	●	O	O	
Suriname						
Uruguay	●	●		●		
Venezuela	●	●	●	●	●	

● Invited country O Implementing country

MIDDLE EAST REGION

Implementing Country	Jordan					Egypt					Saudi Arabia	Turkey
Course Title	System Engineering	Electric Power Training for Palestinians	Medical Equipment Maintenance Training for Palestinians	International Training Course for African Nurse Leaders	Welding Technology for Engineers	Rice Processing Technology	Construction Equipment Training for Palestinians	Earthquake Observers (Seismologist) for Africa	Clinical Immunology of Infectious Diseases and an Introduction to Molecular Biology	Safety Requirements for Household Appliances	Exploration and Evaluation of Underground Resources	
Cooperation Period	'93-97	'91-98	'95-97	'85-99	'89-98	'94-98	'91-98	'91-98	'96-98	'96-00	'96-00	
Participants (Invited Countries)	16	20	10	20	20	14	20	20	12	17	21	
(Implementing Country)	0	0	0	10	0	2	0	5	3	4	0	
Total	16	20	10	30	20	16	20	25	15	21	21	
Tentative Implementation Period	Mar-Jun '98	Sep '97-Jan '98	Feb-May '98	Oct-Dec '97	Sep-Oct '97	Sep-Nov '97	Oct-Dec '97	Dec '97	Nov-Dec '97	Mar '98	Mar '98	
Bahrain	●									●		
Iran												
Jordan										●		
Kuwait												
Lebanon	●									●		
Oman	●									●		
Qatar												
Saudi Arabia	●									O		
Syria	●									●		
Turkey												
Arab Republic												
Yemen	●									●		
Algeria	●							●		●		
Egypt	●			O		O		O	O	●		
Morocco	●					●		●		●		
Sudan												
Tunisia	●			●				●		●		
Palestine		●	●				●			●		
Botswana								●	●			
Ethiopia				●	●			●	●			
Eritrea					●			●	●			
Gambia				●								
Ghana					●	●		●	●			
Kenya				●	●	●		●	●			
Malawi				●	●	●		●	●			
Namibia					●			●				
Nigeria												
Seychelles				●					●			
South Africa				●	●				●			
Swaziland				●				●	●			
Tanzania				●	●	●		●	●			
Uganda				●	●			●	●			
Zambia				●	●	●		●	●			
Zimbabwe				●	●			●	●			
Angola				●								
Burkina Faso												
Burundi				●								
Cameroon				●	●			●				
Chad								●				
Comoros												
Congo				●								
Côte D'Ivoire						●						
Djibouti					●							
Gabon												
Guinea				●	●							
Guinea-Bissau												
Madagascar				●		●		●	●			
Mali						●						
Mauritania	●			●		●						
Mozambique								●	●			
Niger									●			
Rwanda												
São Tomé and Principe												
Senegal				●	●	●		●	●			
Sierra Leone				●	●							
Togo												
Zaire								●				
Bosnia and Herzegovina												●
Azerbaldjan												●
Kazakhstan												●
Kyrgyz												●
Tadzhikistan												●
Turkmenistan												●
Uzbekistan												●

● Invited country O Implementing country

AFRICAN REGION

Implementing Country	Kenya					Côte D'Ivore	Ghana
Course Title	Applied Electrical and Electronic Engineering Technology	Promotion of Social Forestry in Africa	Water Pollution and Its Analysis	Endoscopy of Gastrointestinal Diseases	Laboratory Diagnosis of Yellow Fever and Other EPI Viral Diseases		
Cooperation Period	'93-97	'95-99	'96-00	'84-98	'96-98		
Participants (Invited Countries)	13	20	13	9	10		
(Implementing Country)	2	2	2	5	2		
Total	15	22	15	14	12		
Tentative Implementation Period	Feb–Mar '98	Oct–Dec '97	Feb–Mar '98	Jan–Mar '98	Feb–Mar '98		
Sudan							
Botswana	●	●	●				
Ethiopia		●	●		●		
Eritrea			●		●		
Gambia							
Ghana					○		
Kenya	○	○	○		●		
Lesotho	●	●	●				
Liberia					●		
Malawi	●	●	●				
Namibia	●	●	●				
Nigeria							
Seychelles	●		●				
Somari			●				
South Africa		●	●				
Swaziland	●	●	●				
Tanzania	●	●	●		●		
Uganda	●	●	●		●		
Zanbia	●	●	●				
Zimbabwe	●	●	●				
Angola		●					
Benin				●			
Burkina Faso				●			
Burundi			●				
Cameroon				●	●		
Central Africa				●			
Chad				●			
Côte D'Ivoire				○			
Djibouti							
Gabonese				●			
Guinea				●			
Madagascar				●			
Mari				●			
Mauritius			●				
Mozambique		●	●				
Niger							
Rwanda			●				
Senegal				●			
Sierra Leone					●		
Togo				●	●		
Zaire							

● Invited country ○ Implementing country

LIST OF NEW COURSES PLANNED IN JFY 1997

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Implementing Country	Title (Tentative)	Implementation Organization (Tentative)
Indonesia	Veterinary Drug Improvement	Veterinary Drug Assay Laboratory, Directorate General of Livestock Services (DGLS)
	Integrated Technology for Housing Strategies	Research of Institute for Human Settlement, Agency for Research and Development
	Quality Control of Live Viral Vaccine	PT Bio Farma
	Program Production	Multi Media Training Center (MMTC)
Malaysia	Enhancing Women's Economic Participation Through Scaling-up Micro-Production Activities to Small-Scale Enterprises	The University Pertanian Malaysia
Philippines	Laboratory Diagnosis of Human Immundeficiency Virus Infection and Opportunistic in AIDS	HIV Research Institute for Tropical Medicine
Thailand	Effective Countermeasures Against Drug Offenses and Advancement of Criminal Justice Administration	Office of the Narcotics Control Board (ONCB)
	Water Supply Technology	National Water works Technology Training Institute (NWTTI)
	Diagnostic Technology and Control Measures for Major Livestock Infectious Diseases	National Institute of Animal Health Food and Mouth Vaccine Production and Diagnostic Center
	Reforestation and Extension Techniques	Royal Forest Department
Singapore	Tourism Train-The-Trainer Course	Tamasek Polytechnic
	Aeronautical Information Services	Singapore Aviation Academy
Mexico	Integral Production of Educational Television Programs	Educational Television Unit, Educational Television Training Center
	International Seismology and Earthquake Engineering	National Center for Disaster Prevention
Costa Rica	Productivity and Quality Improvement	The Technical Instructor and Personnel Training Center for Industrial Development of Central America
Brazil	Advanced Manufacturing System	National Service for Industrial Apprenticeship (SENAI)
Chile	Optical Fiber Transmission System (PDH and SDH)	Digital Telecommunication Training Center (CINCATEL), National Institute of Professional Training
Jordan	Electric Power Industry Training	Electric Training Center (ETC), National Electric Power Company (NEPCO)
Egypt	Rice Cultivation Techniques	Egyptian International Training Center (EICA)
	Telecommunication Training for Palestinians	National Telecommunication Institute (NTI)
Kenya	Applied Food Analysis	Jomo Kenyatta University of Agriculture and Technology