

"ANTEP Questionnaire 2011"
Programs

No.	Country (Organization)	Fields	Program Name	Specification	Organizer	Schedule	Duration	Type	Capacity	Language	Applicant Eligibility	Allowance
1	AUS	A-1	Radiation Safety	To train people to work safely with radiation, ranging from introductory courses on the safe use of radiation equipment and radioactive sources, through to training of advanced radiation safety officers Possible topics include the biological effects of radiation, personnel dosimetry, dose rate survey and analysis, shielding, gamma spectrometry, whole body monitoring, safety assessment, emergency response etc.	ANSTO	Periodic (see website for details)	2-5 days	Training	16	English	Some background experience in working with radiation, level dependent upon particular type of training sought	Waive training fees
2	AUS	B	Radiation and Isotope Application	To provide training opportunities in the operation of neutron beam instruments and the application of neutron scattering Projects may be undertaken on a wide range of instruments associated with the new OPAL research reactor, including: high-resolution powder diffractometer, reflectometer, thermal 3-axis spectrometer, quasi-Laue diffractometer, small angle neutron scattering, high intensity powder diffractometer, residual stress diffractometer.	ANSTO	By negotiation	3 mths to 3 yrs	Training	Individual	English	Relevant science or engineering degree	Waive training fees
3	AUS	B	Radiation and Isotope Application	DAT is a structured and formalised work integrated learning program for nuclear medicine professionals following a sequence in problem solving learning from basic science, clinical applications through to SPECT and PET/CT. The program is available on-line (DAT-OL) and this e-learning approach provides complementary on-line displays, interactive exercises, assessment tools and offers instruction targeting individual learning preferences.	see website at www.datnmt.org	Immediate	Approx 900 hrs (part-time 2-3 years)	Training	Unlimited	English Spanish	Must currently work in Nuclear Medicine and/or PET department. Availability of supervisor. At least 2 years experience in Nuclear Medicine.	Program on-line at no cost, however local coordination fees for w/shops and practical assessment.
4	AUS	B	Radiation and Isotope Application	A professional development program on Positron Emission Tomography-X-ray Computerised Tomography (PET-CT) designed to integrate the most recent knowledge and skills related to safety, technical and clinical practice. This comprehensive 10-day training course is suitable for physicians, scientists and technologists. Through lectures, workshops and clinical sessions the course provides essential strategies for creating quality assurance and best practice for a safe environment and an efficient clinical service. The course also promotes team coordination for effective application of the technology.	University of Sydney in collaboration with ANSTO	Annually (refer to website)	10 days	Training	15-20	English	Good understanding of radiation safety and prior experience in a clinical nuclear medicine environment.	Opportunity of expenses Award for eligible applicants.
5	CHN	A-1	Radiation Safety Course	the primary course of the NPP radiation defence	DNMC (Daya bay nuclear power operations and management co.ltd)	31-Dec-11	5 days	Training	Y	CHINESE OR ENGLISH	WORK IN NPP	No
6	CHN	E	Research on training nuclear power person with ability	Report by CGNPC,before september 30,2011	CAEA	30-Sep-11	6 days	Knowledge acquisition	—	CHINESE	—	—
7	IDN (BATAN)	A-1	Installation and Maintenance of Nuclear Spectroscopy and Its application	Train the participants to install and maintain the nuclear instruments such as counting and spectroscopy system, which are used for industrial and environmental applications.	Center for Education and training, BATAN	2012	3 months	Training	2	English		
8	IDN (BATAN)	A-1	Microcontroller Application for Refurbishment of Nuclear Instrument in LabVIEW Environment	Train the participants to program and assembly microcontroller as a high integrated component in refurbishment of nuclear instrument and to program a user friendly software using LabVIEW	Center for Education and training, BATAN	2012	3 months	Training	2	English		
9	IDN (BATAN)	B	Mo99 Production using LEU target	Separation of Mo99 from fission products	CRR and Batan Technology	2013	1 week	Training	5	English		

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10	IDN (BATAN)	B	(n,g) Mo99/ Tc 99m generator production using zirconium polymer as an adsorbent	Preparation a generator column containing zirconium polymer and loaded with neutron irradiated natural molybdenum	CRR, BATAN	2014	1 week	Training	10	English		
11	IDN (BATAN)	B	Production of radiopharmaceutical kits	Production of tetrofosmin, MIBI, and MDP kits	CRR, BATAN	2014	2 weeks	Training	5	English		
12	IDN (BATAN)	B	Production of RIA/IRMA kits	Production of RIA Kits of CA125 and CA153	CRR, BATAN	2012	2 weeks	Training	5	English		
13	IDN (BATAN)	B	QA/QC for radiopharmaceuticals	QA/QC for Sm153-EDTMP and MIBI and DTPA kits	CRR, BATAN	2013	2 weeks	Training	5	English		
14	IDN (BATAN)	B	Radioimmunotherapy	Preparation of Lu177-DOTA-Nimotuzumab	CRR, BATAN	2012	6 months	Research	1	English		
15	IDN (BATAN)	B	PET Applications	Production of FDG18 and Clinical Applications	CRR and Dharmais Hospital	2012	3 months	Research	2	English		
16	JPN	BF	MEXT Nuclear Researchers Exchange Program FY2011	1. Invitation (1-1) FNCA Research Course - Neutron Activation Analysis - Biofertilizer - Electron Accelerator Application - Nuclear Security and Safeguards	NSRA (MEXT)	Year-round (April 2011 to March 2012)	3-6 months	Research	25 *No limit for OECD countries (Australia & Korea)	English /Japanese	1.Researcher of a governmental or public institute in R&D for the peaceful use of nuclear energy. 2. Graduate from University or college and involving in research activities. 3. Contribute to nuclear base/safety in each country after returning to his/her country 4. Sufficient skills in English and/or Japanese 5. Under 50 years of age 6. Good health physically and mentally. 7. Not accompanied by family	1. Economy class round-trip air ticket (from the international airport for Japan) 2. A round-trip travel expenses between the arrival airport and the host organization in Japan 3. Daily allowance of JPY 5,000 from the date of arrival in Japan through the date of departure from Japan 4. Furnished single room *OECD countries (Australia & Korea) are required to bear at their own expense.
17	JPN	ABCD EF	MEXT Nuclear Researchers Exchange Program FY2011	(1-2-a) ANTEP Research Course / Individual Research Subject Sub-Course - Radiation Safety and Radioactive Waste Management - Radiation and Isotope Application - Research Reactor - Nuclear Power Reactor - Nuclear Administration - Others (Nonproliferation, Safeguards, etc.)			3-6 months	Research				
18	JPN	ABCD EF	MEXT Nuclear Researchers Exchange Program FY2011	(1-2-b) ANTEP Research Course / Basic Research Field Sub-Course - Radiation Safety·Radiation Protection - Radioactive Waste Management - Social Engineering - Nuclear Engineering/Nuclear Safety Engineering - Fuels and Materials Engineering			3 months	Knowledge acquisition				
19	JPN	ABCD EF	MEXT Nuclear Researchers Exchange Program FY2011	2. Dispatch Dispatch Japanese experts to Asian countries on request. - Radiation Safety and Radioactive Waste Management - Radiation and Isotope Application - Research Reactor - Nuclear Power Reactor - Nuclear Administration - Others (Nonproliferation, Safeguards, etc.)			1 week	Research	approximately 5			Governmental or public institute in R&D for the peaceful use of nuclear energy Travelling expenses and accommodation fee for the dispatched Japanese experts shall be borne by MEXT *OECD countries (Australia & Korea) are required to bear at their own expense.

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20	JPN	C	MEXT Instructor Training Program	Reactor Engineering Course I(Reactor Physics)	JAEA (MEXT)	1 Aug - 30 Sep, 2011	9 weeks	Training	6	English	Engineers or scientists graduated from college, university or persons who have the equivalent ability. Applicants are expected to become an excellent instructor of the training courses.	Air Ticket Accommodation Daily Allowance
21	JPN	C	MEXT Instructor Training Program	Reactor Engineering Course II (Thermal Engineering)	JAEA (MEXT)	1 Aug - 30 Sep, 2011	9 weeks	Training	6	English	Engineers or scientists graduated from college, university or persons who have the equivalent ability. Applicants are expected to become an excellent instructor of the training courses.	Air Ticket Accommodation Daily Allowance
22	JPN	C	MEXT Instructor Training Program	Reactor Engineering Course III (Reactor Safety)	JAEA (MEXT)	1 Aug - 30 Sep, 2011	9 weeks	Training	6	English	Engineers or scientists graduated from college, university or persons who have the equivalent ability. Applicants are expected to become an excellent instructor of the training courses.	Air Ticket Accommodation Daily Allowance
23	JPN	A-1	MEXT Instructor Training Program	Environmental Radioactivity Monitoring Course	JAEA (MEXT)	1 Aug - 30 Sep, 2011	6 weeks	Training	6	English	Engineers or scientists graduated from college, university or persons who have the equivalent ability. Applicants are expected to become an excellent instructor of the training courses.	Air Ticket Accommodation Daily Allowance
24	JPN	A-1	MEXT Instructor Training Program	Nuclear and Radiological Emergency Preparedness Course	JAEA (MEXT)	11 Oct- 18 Nov, 2011	6 weeks	Training	6	English	Engineers or scientists graduated from college, university or persons who have the equivalent ability. Applicants are expected to become an excellent instructor of the training courses.	Air Ticket Accommodation Daily Allowance
25	JPN	E	MEXT Nuclear Safety Seminar	Administration Course	JAEA	28 Nov-16 Dec, 2011	3 weeks	Various	10	English	Member of government staff above section manager level or supervisory employee at national/public research institute in nuclear and/or radiation field, and responsible for a nuclear policy.	Air Ticket Accommodation Daily Allowance
26	JPN	F	MEXT Nuclear Safety Seminar	Site location of Nuclear Facilities	JAEA	16-20 Jan, 2012	1 week	Various	10	English	member of a government staff above section manager level or a supervisory employee at a national/public research institute in the nuclear and/or radiation field, and be responsible for a nuclear policy. (under the age of 45)	Air Ticket Accommodation Daily Allowance
27	JPN	D	MEXT Nuclear Safety Seminar	Reactor Plant Safety Course	JAEA (Implementing organization: Wakasa wan Energy Research Center)	(Autumn course) 7 Nov-2 Dec, 2011 (Winter course) 10 Jan-3 Feb, 2012	4 weeks	Various	10 each Total 20	English	Engineer or researcher who is engaged in nuclear technology development or safety authority.	Air Ticket Accommodation Daily Allowance
28	JPN	F	Regional Training Course on the Physical Protection of Nuclear Material and Facilities	To train on design and evaluation process of physical ptoection systems for nuclear material and nuclear facilities	JAEA (MEXT) (in cooperation with U.S. DOE/NNSA, SNL)	October 17-28, 2011	2 weeks	Training	30	English	Government officials, operators of nuclear facilities, and others involved in physical protection mainly in Asia	Air Ticket Accommodation Daily Allowance
29	JPN	F	Nuclear Security Course 1. International WS on INFCIRC/225/Rev. 5		JAEA	October 31- November 1, 2012	2 days	Knowledge acquisition		English		
30	JPN	F	Nuclear Security Course 2. "WINS WS on Corporate Governance for Nuclear Security"		JAEA	February 2012 (TBD)				English		
31	JPN	F	SG and SSAC Course 1. "Training Course on the State Systems of Accounting fo and Control of Nuclear Material" with the Cooperation of IAEA					Training		English		

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32	JPN	F	SG and SSAC Course 3. "IAEA Inspector Training for Nuclear Cycle Facilities"		IAEA	5-9 Marchi 2012	6 days	Training		English		
33	KAZ	F	Advanced processing and interpretation technique of seismological data	<ul style="list-style-type: none"> • International Monitoring System CTBTO. IDC products and access to them • A seismic station and a seismic array. Equipment specifications. Seismic noise. • Kinematic and dynamic parameters of seismic records. Main parameters of earthquake focus. Seismic bulletins and catalogues • Introduction to UNIX (LINUX) operational system • Software for seismological data processing and interpretation • Modern formats of seismological data. Data archives. International Data Centers. • Discrimination between nuclear, chemical explosions and earthquakes by seismic methods. 	International Training Center in support of the Comprehensive Test-Ban Treaty Organization (CTBTO)	Sep - Oct 2010	1Month	Training		Russian/ English	1. experience with seismic data; 2. Russian language knowledge is obligatory, English is preferable; 3. prepared presentation on applicant's scientific work. Central Asian countries	Participants of the course will be covered with financial support for travel, meals and accommodation in the guest house.
34	KOR	B	IAEA Regional Training Course on Basic Radiation Processing of Polymer and Recycling of Polymeric Waste by using Radiation and Technology	Radiation and Isotope Application	IAEA	5.23-5.27	5 days	Knowledge acquisition	22	English	1) Nuclear Related/Interested Personnel 2) Appointment/Acceptance from the Organizer	N/A
35	KOR	F	WNU Course on Key Issues in the World Nuclear Renaissance	Others	WNU	6.29-7.01	3 days	Knowledge acquisition	65	English	1) Nuclear Related/Interested Personnel 2) Appointment/Acceptance from the Organizer	N/A
36	KOR	B	IAEA Regional Training Course on Diagnosis of Multiphase Systems of Petrochemical Plant and Wastewater Treatment Systems Using Radiation with Computer Modeling & Simulation	Radiation and Isotope Application	IAEA	9.19-9.23 (Expected)	5 days (Expected)	Knowledge acquisition	20 (Expected)	English	1) Nuclear Related/Interested Personnel 2) Appointment/Acceptance from the Organizer	N/A
37	KOR	D	IAEA Providing Decision Support for Nuclear Power Planning and Development	d	IAEA	12.05-16 (Expected)	14 days (Expected)	Knowledge acquisition	20 (Expected)	English	1) Nuclear Related/Interested Personnel 2) Appointment/Acceptance from the Organizer	N/A
38	KOR	F	ASEAN+3 Human Resources Development Program on Civilian Nuclear Energy	Nuclear Energy Policy, Planning, and Project Managment	ACE	03.07-03.13	7 days	Knowledge acquisition	32	English	1) Nuclear Related/Interested Personnel 2) Appointment/Acceptance from the Organizer	N/A
39	KOR	C	KOICA/KAERI Interregional Training Course on Capacity Building for Planning of Nuclear Plants	Research Reactor and SMART	KOICA	06.30-07.23	24 days	Knowledge acquisition	16	English	1) Nuclear Related/Interested Personnel 2) Appointment/Acceptance from the Organizer	N/A
40	KOR	F	ASEAN+3 Human Resources Development Program on Civilian Nuclear Energy	Nuclear Energy Policy, Planning, and Project Managment	ACE	10.07 (Expected)	1 days (Expected)	Knowledge acquisition	16 (Expected)	English	1) Nuclear Related/Interested Personnel 2) Appointment/Acceptance from the Organizer	N/A
41	KOR	C	RCARO/KAERI Regional Training Course on Research Reactor Utilization and Radiation Application Technology	Research Reactor Utilization and Radiation Application Technology	RCARO	10.10-10.21 (Expected)	13 days (Expected)	Knowledge acquisition	13 (Expected)	English	1) Nuclear Related/Interested Personnel 2) Appointment/Acceptance from the Organizer	N/A
42	KOR	F	ASEAN+3 Human Resources Development Program on Civilian Nuclear Energy	Nuclear Energy Policy, Planning, and Project Managment	ACE	10.24-10.30 (Expected)	7 days (Expected)	Knowledge acquisition	35 (Expected)	English	1) Nuclear Related/Interested Personnel 2) Appointment/Acceptance from the Organizer	N/A

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43	KOR	F	KOICA/KAERI/IAEA Interregional Training Course on Nuclear Energy Policy, Planning and Project Management	Nuclear Energy Policy, Planning and Project Management	KOICA	11.03-11.30 (Expected)	28 days (Expected)	Knowledge acquisition	20 (Expected)	English	1) Nuclear Related/Interested Personnel 2) Appointment/Acceptance from the Organizer	N/A
44	MYS (NM)	A-1	Training Course on Radiation Protection for Officer	Pre requisite course to qualify as a competent Radiation Protection Officer (RPO) in line with requirement of the AELB Act 1984.	Nuclear Malaysia	4-14 Jan 22 March-1 April 3-13 May 5-15 July 20-30 Sept 15-25 Nov	10 days	Training	40	English	Dip. In Science/Eng, BSc or Beng	None
45	MYS (NM)	A-1	Workshop on Good Radiation Safety Practice	Refreshment Course for RPO and Licensee in line with requirement of the AELB Act 1984	Nuclear Malaysia	10 Feb - 6 June	1 day	Training	20	English	Dip. In Science/Eng, BSc or Beng	None
46	MYS (NM)	A-1	Radiation Protection in Nuclear Medicine	Mandatory course for operator in line with requirement of the AELB Act 1984	Nuclear Malaysia	13-24 June	10 days	Training	20	English	Medical Officer, Pharmacist, Dip. In Science/ Radiography, BSc	None
47	MYS (NM)	A-1	Radiation Protection in Radiotherapy	Mandatory course for operator in line with requirement of the AELB Act 1984	Nuclear Malaysia	25-29 Sept	5 days	Training	20	English	Medical Officer, Pharmacist, Dip. In Science/ Radiography, BSc	None
48	MYS (NM)	B	Eddy Current Level 1 and 2	Mandatory course for licensee in line with requirement of the AELB Act 1984	Nuclear Malaysia	16-27 May	5 days	Training	20	English	Dip. In Science/Eng, BSc or BEng	None
49	MYS (NM)	B	Concrete Inspection using NDT	Application of NDT methods to the inspection and examination of the quality of concrete used in construction	Nuclear Malaysia	30 May - 1 June	5 days		20	English	Dip. In Science/Eng BSc or BEng	None
50	MYS (NM)	B	Basic Course on Industrial Radiography for Operator Trainee Part 1 and 11	Mandatory course for operator trainee in line with requirement of the AELB Act 1984	Nuclear Malaysia	7-11 Feb 4-8 April 6-10 June 24-28 Oct	5 days	Training	20	English	Minimum qualification O level Certificat	None
51	MYS (NM)	B	Industrial Radiography Level 1 (Basic)	Mandatory course for licensee in line with requirement of the AELB Act 1984	Nuclear Malaysia	10-25 Jan 21 March-1 April 19 Sept- 3 Oct 5-19 Dec	14 days	Training	30	English	Dip. In Science/Eng BSc or BEng	None
52	MYS (NM)	B	Industrial Radiography Level 2 (Intermediate)	Mandatory course for licensee in line with requirement of the AELB Act 1984	Nuclear Malaysia	2-16 May 11-25 July	14 days	Training	30	English	Dip. In Science/Eng BSc or BEng	None
53	MYS (NM)	B	Industrial Radiography Level 3 (Advance)	Mandatory course for licensee in line with requirement of the AELB Act 1984	Nuclear Malaysia	3 - 17 Oct	14 days	Training	30	English	Dip. In Science/Eng BSc or BEng	None
54	MYS (NM)	B	Plant mutation breeding	Radiation mutagenesis of crops (rice, fruit trees, ornamental plants)	Nuclear Malaysia	upon request	1-2 months	Training	2	English	BSc	None
55	MYS (NM)	B	Food irradiation	Gamma irradiation of food and herbal products for phytosanitary purposes	Nuclear Malaysia	upon request	1-2 months	Training	2	English	BSc	None
56	MYS (NM)	B	Utilisation of agricultural wastes	Spent mushroom substrate from irradiated oil palm empty fruit bunches for use as compost and base for animal feed.	Nuclear Malaysia	upon request	1-2 months	Training	2	English	BSc	None
57	MYS (NM)	B	Biofertilizer	Biofertilizer product development and evaluation using nuclear techniques	Nuclear Malaysia	upon request	1-2 months	Training	2	English	BSc	None

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58	MYS (NM)	B	Nondestructive Testing	Radiography, ultrasonics, eddy current, magnetic particles and liquid penetrant up to construction stage of nuclear power (ASME V)	Nuclear Malaysia	upon request	2-3 months	Training	2	English	BSc	None
59	MYS (NM)	B	Production of oligo chitosan by continuous flow gamma irradiation	1. Protocol for the production oligochitosan 2. Water soluble oligochitosan with molecular weight in the range of 10 – 20 kDalton	Nuclear Malaysia	upon request	1-2 months	Training	4	English	BSc	None
60	PHL	D	Introduction to Nuclear Power (Module I)	Basic nuclear energy principles, radiation protection, and core information essential in a nuclear power program	Philippine Nuclear Research Institute (PNRI)	March 1-3, 2011 September 5-7, 2011	3 days	Training	30	English	Holders of engineering degree	None
61	PHL	D	Introduction to Nuclear Engineering (Module II)	Nuclear power generation, reactor engineering, nuclear safety, regulation	PNRI	April 4-15, 2011 October 10-21, 2011	10 days	Training	30	English	Holders of engineering degree	None
62	PHL	D	Specific Features of a PWR (Module III)	Description of a pressurized water reactor	PNRI	June 6-10, 2011 November 14-18, 2011	5 days	Training	30	English	Holders of engineering degree	None
63	VNM (VINATOM)	A-1	Radiation safety	Radiation safety	Vietnam (Nuclear Re	2012	1 week	Training	20	English	Employee working for a government or utilities	None
64	VNM (VINATOM)	B	Radiation and isotope applications	Radiation and isotope applications for industry and nuclear medicine, research reactor utilizations	Vietnam (NRI)	2012	2 weeks	Training	20	English	Employee working for a government or industrial, educational or medical institute	None