2016 ANTEP Programs by Australia

No.	Question	Entry Column
1	Program Title	Masters in Engineering Science in Nuclear Engineering
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program – Objective – Method – etc.	The aim of the UNSW Nuclear Engineering Masters specialisation stream is to educate and inform engineering graduates in the underpinning theory behind nuclear engineering techniques, technologies and processes, and provides a stream that allows engineering graduates, from traditional engineering disciplines, to prepare themselves for a career in nuclear engineering. The stream aims to produce graduates capable of embarking on a nuclear engineering career and contributing to the nuclear debate from a knowledgeable standpoint. For details, see http://www.handbook.unsw.edu.au/postgraduate/plans/2014/ENGGOS8538.html The teaching methods include intensive block mode courses, standard weekly-delivered lecture material, and a substantial Masters project taken over two semesters. The course can be completed in one to two years depending on entry qualifications
	Schedule and Duration	Two intakes per year. Semester 1 starts at the end of February each year. Semester 2 starts at the end of July each year. Duration: 1-2 years depending on entry qualifications.
5	Venue	Sydney Australia
6	Working Language	English
7	Host Organization	University of New South Wales, Sydney
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	Modest scholarships available for Australian citizens or permanent residents

2016 ANTEP Programs by Australia

No.	Question	Entry Column
10	Eligibility for Participation -Background -Career -Nationality, etc.	Equivalent of 4-year Engineering Degree in a typical engineering discipline e.g. Electrical, Civil and Mechanical. General University Rules and student information and procedures, and information on some of the services and resources available to students can be found on http://www.handbook.unsw.edu.au/general/2014/SSAPO/GeneralRules.html?StudyLevel=Postgraduate for international students, see also http://www.international.unsw.edu.au/ Depending on obtaining the appropriate visa for entry to Australia.
11	Capacity	40
12	How to apply	Online, see https://apply.unsw.edu.au/
13	Contact for Inquiries	Professor John Fletcher, john.fletcher(atmark)unsw.edu.au _

2016 ANTEP Programs by Australia

No.	Question	Entry Column
1	Program Title	Master of Nuclear Science
2	Field	A. Radioactive Waste Management [B-1.] RI Application [B-2.] Radiation Application [C.] Plant/Reactor D. Fuel/Material [E-1.] Nuclear Safety [E-2.] Radiation Safety [F.] Policy/ Planning/ Administration G. Others
3	Outline of the Program – Objective – Method – etc.	The degree is a coursework graduate program that provides a pathway for graduates to acquire skills and renew or extend understanding of the current issues in nuclear science and technology. Fees apply. Semester one offers Nuclear Fundamentals (PHYS8201), Reactor Science (PHYS8202), Accelerator Science (PHYS8203) and Nuclear Radiation (PHYS8204). Semester two offers Nuclear Fuel Cycle (PHYS8205) and Nuclear Measurement (PHYS8206). In semester 2, students can also take the Strategic Studies course Nuclear Strategy in the Asian Century (STST8026). In both semesters the Special Research Project (PHYS8207) can be taken. The research project can be a 6 or 12 point course. Students also can choose other Strategic Studies or Science Communication courses according to their interests. There is flexibility to focus on the science or the policy aspects of nuclear science and technology. For details see http://programsandcourses.anu.edu.au/program/MNUCL
4	Schedule and Duration	2-year program. Students are allowed to commence in either semester. Prospective students can apply at any time as offers are made continuously. For admission see: http://www.anu.edu.au/sas/admission/
5	Venue	Australian National University, Canberra
6	Working Language	English
7	Host Organization	Australian National University (ANU), Canberra
8	Presence or Absence of	Present [Absent]

2016 ANTEP Programs by Australia

No.	Question	Entry Column
	Sponsorship	
9	Contents of Sponsorship	ANU offers a wide range of scholarships to students to assist with the cost of their studies, see http://www.anu.edu.au/students/scholarships-support Eligibility to apply for ANU scholarships varies depending on the specifics of the scholarship and can be categorised by the type of student you are. Specific scholarship application process information is included in the relevant scholarship listing
10	Eligibility for Participation -Background -Career -Nationality, etc.	A Bachelor degree or international equivalent with an average mark of at least 70%. All applicants must meet the University's English Language Admission Requirements for Students. Applicants with a Bachelor Degree or Graduate Certificate in a cognate discipline may be eligible for 24 units (one semester) of credit. Applicants with a Graduate Diploma or Honours in a cognate discipline may be eligible for 48 units (one year) of credit. (Cognate disciplines: Engineering, Science). Depending on obtaining the appropriate visa for entry to Australia.
11	Capacity	open
12	How to apply	online https://student-anu.studylink.com/apply.cfm?ccc=7641&subc=MNUCL&title=Master%20of%20Nuclear%20Science&sslrequired
13	Contact for Inquiries	Dr Gregory Lane gregory.lane(atmark)anu.edu.au

2016 ANTEP Programs by Australia

No.	Question	Entry Column
1	Program Title	Radiation Safety Training
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	ANSTO's range of radiation safety training courses will provide valuable knowledge and expertise on radiation protection principles and practices. Participants on our courses benefit from the unique opportunity to utilise our on-site radiation facilities and equipment to enhance their training experience. For details, see http://www.ansto.gov.au/BusinessServices/RadiationServices/radiationtraining/index.htm Courses are suitable for all industry sectors including mining, health care, government, education, universities and research and will assist participants in meeting the relevant regulatory licensing and registration requirements. If your organisation has unique requirements, a training program can be tailored to your specific needs.
4	Schedule and Duration	Varied, between 1 and 5 days; for details see http://www.ansto.gov.au/BusinessServices/RadiationServices/Courseenrolmentdatesandcosts/index.htm
5	Venue	Lucas Heights (Sydney), Australia
6	Working Language	English
7	Host Organization	ANSTO
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	
10	Eligibility for Participation -Background -Career	Depending on course. Depending on obtaining the appropriate visa for entry to

2016 ANTEP Programs by Australia

No.	Question	Entry Column
	-Nationality, etc.	Australia and ANSTO site security clearance.
11	Capacity	10-16 people
12	How to apply	email the training coordinator radsafetytraining(atmark)ansto.gov.au or call +61 2 9717 9434.
13	Contact for Inquiries	Further information Email: radsafetytraining(atmark)ansto.gov.au

2016 ANTEP Programs by Bangladesh

No.	Question	Entry Column
1	Program Title	Assessment of Occupational Exposure due to Intake of Radionuclides.
2	Field	A. Radioactive Waste Management B-1.RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety [E-2.] Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	The objective of this program is to enhance the methodologies and techniques used for direct (in vivo) and indirect (in vitro) measurements of internal exposure to radioactive material. It is also helpful to develop the Quality Assurance programme, including detection methods, facility requirements, background control, calibration, the determination of uncertainties and limit of detection and data analysis and recording.
4	Schedule and Duration	To be determined according to consultation with expert and host organization.
5	Venue	Health physics division, Atomic Energy Center, Dhaka Bangladesh Atomic Energy Commission
6	Working Language	English
7	Host Organization	Bangladesh Atomic Energy Commission
8	Presence or Absence of Sponsorship	[Present] Absent
9	Contents of Sponsorship	Local Transport, Food, Accommodation
10	Eligibility for Participation -Background -Career -Nationality, etc.	Graduate level with knowledge of radiation and its relevant field of sciences.
11	Capacity	~ 20
12	How to apply	
13	Contact for Inquiries	

2016 ANTEP Programs by Bangladesh

No.	Question	Entry Column
1	Program Title	Treatment of Radioactive Waste
2	Field	[A.] Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	To provide the guidance on the management of Disused Sealed Radioactive Sources (DSRSs) and demonstration on dismantling devices removing the sources and conditioning of liquid radioactive waste etc.
4	Schedule and Duration	02 Weeks
5	Venue	Health Physics and Radioactive Waste Management Unit (HPRWMU), INST, AERE, Savar, Dhaka
6	Working Language	English
7	Host Organization	Bangladesh Atomic Energy Commission
8	Presence or Absence of Sponsorship	[Present] Absent
9	Contents of Sponsorship	Local Transport, Food, Accommodation
10	Eligibility for Participation -Background -Career -Nationality, etc.	
11	Capacity	
12	How to apply	
13	Contact for Inquiries	

2016 ANTEP Programs by Bangladesh

No.	Question	Entry Column
1	Program Title	Occupational Exposure Control
2	Field	A. Radioactive Waste Management B-1.RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	The objective of this programme is to acquire knowledge on measurement, analysis and graphical representation of doses, reader calibration, card calibration, uncertainty calculation etc.
4	Schedule and Duration	To be determined according to consultation with trainee and host organization.
5	Venue	Health physics division, Atomic Energy Center, Dhaka Bangladesh Atomic Energy Commission
6	Working Language	English
7	Host Organization	Bangladesh Atomic Energy Commission
8	Presence or Absence of Sponsorship (Please circle)	Present Absent
9	Contents of Sponsorship	Local Transport, Food, Accommodation etc.
10	Eligibility for Participation -Background -Career -Nationality, etc.	Graduate level with knowledge of radiation and its relevant field of sciences.
11	Capacity	~20
12	How to apply	
13	Contact for Inquiries	

HPD_AECD

2016 ANTEP Programs by Bangladesh

No.	Question	Entry Column
1	Program Title	Environmental radiation and radioactivity monitoring Programme.
2	Field	A. Radioactive Waste Management B-1.RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety [E-2.] Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	Objective: Environmental radiation and radioactivity monitoring of environmental samples and food-stuffs are very important to control population exposure. Moreover present government of Bangladesh is establishing the country's first nuclear power plant at Rooppur, Pabna. Method : Lectures, hands on training, practical exercise, Facility visit etc.
4	Schedule and Duration	To be determined by consultation with trainee and supervisor Duration: One (01) month
5	Venue	Training Institute (TI), Atomic Energy Research Institute
6	Working Language	English
7	Host Organization	Bangladesh Atomic Energy Commission (BAEC)
8	Presence or Absence of Sponsorship	[Present] Absent
9	Contents of Sponsorship	
10	Eligibility for Participation Background, Career, Nationality, etc.	Eligibility for Participation Background: M.Sc. in Physics, Carrier: Nationality:
11	Capacity	~20
12	How to apply	
13	Contact for Inquiries	

2016 ANTEP Programs by China

No.	Question	Entry Column
1	Program Title	National Energy Administration and the Ministry of Education has reached an agreement to organize a M.S.Nucl.Eng education program of for global students(including Asia) relying on the Tsinghua University.
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application [C.] Plant/Reactor D. Nuclear Fuel/Material [E-1.] Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	To develop M.S.Nucl.Eng for the developing countries where there is no NPP yet.
4	Schedule and Duration	About 2 years
5	Venue	Beijing,China
6	Working Language	English
7	Host Organization	National Energy Administration of PRC/ Ministry of Education of PRC
8	Presence or Absence of Sponsorship (Please circle)	[Present] Absent
9	Contents of Sponsorship	Scholarship
10	Eligibility for Participation -Background -Career -Nationality, etc.	Undetermined
11	Capacity	Undetermined
12	How to apply	Undetermined
13	Contact for Inquiries	Undetermined

2016 ANTEP Programs by China

No.	Question	Entry Column
1	Program Title	CGN and Harbin Engineering University has reached an agreement to develop nuclear engineering talents for Kenya. As an education program from bachelor to master, it will expand to other countries in Asia.
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application [C.] Plant/Reactor D. Nuclear Fuel/Material [E-1.] Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	To develop M.S.Nucl.Eng for the developing countries where there is no NPP yet.
4	Schedule and Duration	About 2 years
5	Venue	Harbin,China
6	Working Language	English
7	Host Organization	CGN
8	Presence or Absence of Sponsorship	[Present] Absent
9	Contents of Sponsorship	Scholarship
10	Eligibility for Participation -Background -Career -Nationality, etc.	Undetermined
11	Capacity	Undetermined
12	How to apply	Undetermined
13	Contact for Inquiries	Undetermined

2016 ANTEP Programs by China

No.	Question	Entry Column
1	Program Title	The development of clean energy talents for ASEAN
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application [C.] Plant/Reactor D. Nuclear Fuel/Material [E-1.] Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program – Objective – Method – etc.	To develop talents of clean energy for the member countries of ASEAN according to the contract with ACE.
4	Schedule and Duration	Less than a month
5	Venue	Undetermined
6	Working Language	English
7	Host Organization	National Energy Administration of PRC
8	Presence or Absence of Sponsorship	[Present] Absent
9	Contents of Sponsorship	Training fees
10	Eligibility for Participation -Background -Career -Nationality, etc.	The member country of ASEAN which contracted with ACE.
11	Capacity	
12	How to apply	
13	Contact for Inquiries	

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Characterization of soil microorganisms for biofertilizers of rice or several leguminous crops and evaluation of synergy effects on crop promotion activities caused by the biofertilizers and oligo-chitosan
2	Field	A. Radioactive Waste Management B-1. RI Application [B-2.] Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program – Objective – Method – etc.	・ 1st step: The researcher can explore soil microorganism for bio-fertilizers in own country in advance and use it in the research (to the extent permitted by Plant Protection Act in Japan. And we start characterization of those soil microorganisms for developing biofertilizer of rice or several leguminous crops using several molecular technique. ・ 2nd step: Selection of isolates in terms of environmental tolerance and disease resistance, and abilities of plant nutritional suppliers such as nitrogen fixation. ・ 3rd step: We applied those novel biofertilizer to several crops with oligo-chitosan and evaluate their synergy effects in terms of crop promotion activities.
4	Schedule and Duration	Schedule: Open to negotiation Duration: 6 months
5	Venue	Tokyo University of Agriculture and Technology, Institute of Agriculture, (Tokyo)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association (NSRA)
8	Presence or Absence of Sponsorship	[Present] Absent

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	・ Master's degree or Bachelor's degree in science and technology ・ Experience on experiments for microbiology, plant nutrition, etc. ・ FNCA countries + Sri Lanka
11	Capacity	1
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html
13	Contact for Inquiries	Iard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Development of plant growth promoter and functional hydrogel from natural polymers using electron beam technique
2	Field	A. Radioactive Waste Management B-1. RI Application [B-2]. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program – Objective – Method – etc.	Development of plant growth promoter and functional hydrogels from natural polymers, such as polysaccharide and protein, using electron beam technique for agricultural and medical applications.
4	Schedule and Duration	Schedule: Open to negotiation Duration: 6 months
5	Venue	JAEA, Environmental Radiation Processing Group, (Takasaki)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association (NSRA)
8	Presence or Absence of Sponsorship	[Present] Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	・ Bachelor's degree in science and technology ・ Engaged in radiation application ・ FNCA Countries + Sri Lanka
11	Capacity	1
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html
13	Contact for Inquiries	Iard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Development for Nuclear decommissioning technologies
2	Field	[A]. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program – Objective – Method – etc.	Radioactive inventory evaluation, decommissioning and decontamination technologies for nuclear facility will be studied in practical field, Fugen.
4	Schedule and Duration	Schedule: Open to negotiation Duration: 3 months
5	Venue	JAEA, Fugen Decommissioning Engineering Center, (Tsuruga)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association (NSRA)
8	Presence or Absence of Sponsorship	[Present] Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	・ Bachelor's degree in science and technology ・ Engaged in decommissioning for nuclear reactor ・ FNCA Countries + Sri Lanka
11	Capacity	1
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html
13	Contact for Inquiries	Iard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Study on sorption and diffusion of heavy metals or radioactive materials on clay mineral used for nuclear waste managements
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	Bentonite, of which major mineral is montmorillonite, is well-known clay material suitable for buffer-barrier in a landfill or a nuclear waste repository, due to its low-permeability, high-expandability, and high-sorption ability for heavy metals or radioisotopes. However, sorption and diffusion behaviors of contaminants in the clay have not been fully understood. In this research, mechanism of the behaviors will be studied through the experiments using radiotracers or analytical apparatus such as ICP-AES.
4	Schedule and Duration	Schedule: Open to negotiation Duration: 6 months
5	Venue	Hokkaido University, Graduate School of Engineering, Division of Energy and Environmental Systems, Laboratory of Nuclear and Environmental Materials (Sapporo)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career	・ Graduate level with knowledge of radiation and its relevant field of sciences ・ FNCA Countries + Sri Lanka

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
	-Nationality, etc.	
11	Capacity	1
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html
13	Contact for Inquiries	iard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Study on vitrification technologies of Cs-sorbed zeolite wastes
2	Field	[A]. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	The focus of this research is the development of treatment technologies for the spent zeolite adsorbents used to decontaminate effluents on the Fukushima Daiici site. Vitrification is one of the most potential treatment technologies, and the optinum and reasonable vitrification processes and conditions will be experimentally studied for its safe storage and final disposal.
4	Schedule and Duration	Schedule: Open to negotiation Duration: 6 months
5	Venue	Kyushu University, Graduate School of Engineering, Department of Applied Quantum Physics and Nuclear Engineering, Research Group of Quantum Sciences and Materials (Fukuoka)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association (NSRA)
8	Presence or Absence of Sponsorship	[Present] Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	・ Bachelor's degree in science and technology ・ Engaged in chemical and/or material experiments ・ FNCA Countries + Sri Lanka
11	Capacity	1

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html
13	Contact for Inquiries	Iard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Mutation breeding by gamma ray irradiation for flowers, fruits and rice
2	Field	A. Radioactive Waste Management B-1. RI Application [B-2]. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	In the Institute of Radiation Breeding (IRB), mutation breeding is being conducted by cooperative research with national and prefectural breeding laboratories, private companies and universities in Japan.We will accept a person who is willingly conduct mutation breeding together for ornamental flowers, fruits tree and rice. For those plants we irradiate gamma ray and select mutants in our field and laboratory.
4	Schedule and Duration	Schedule: Open to negotiation Duration: 2-3 months
5	Venue	NIAS, Institute of Radiation Breeding, (Hitachi-omiya)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association
8	Presence or Absence of Sponsorship	[Present] Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	・ Researcher who conducts mutation breeding in his/her own country ・ FNCA Countries + Sri Lanka
11	Capacity	1
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html
13	Contact for Inquiries	Iard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Development and verification of bioproducts as radioprotectant agents and mitigators
2	Field	A. Radioactive Waste Management B-1. RI Application [B-2]. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	By using mouse models for radiation-induced bone marrow death and gastro-intestinal death, biochemicals bearing p53 inhibition function will be verified as candidates for new type of radioprotectors and mitigators.
4	Schedule and Duration	Duration: 6 months Schedule: Open to negotiation
5	Venue	NIRS, Radiation Risk Reduction Research Program, (Inage)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association (NSRA)
8	Presence or Absence of Sponsorship	[Present] Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	・ Having biology or medicine background; Not being allergic to animals (mice) ・ FNCA Countries + Sri Lanka
11	Capacity	1-2
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html
13	Contact for Inquiries	iard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Study on the radiation effects from X-rays and cosmic rays
2	Field	A. Radioactive Waste Management B-1. RI Application [B-2]. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	By using mouse models and ionizing radiation (low LET X-rays and high LET cosmic rays generated by heavy ion accelerator), radiation-induced genotoxic effects on hematopoietic system will be investigated, radiation risk will be estimated, and countermeasure for radiation (radiation protection) will be studied.
4	Schedule and Duration	Duration: 6 months Schedule: Open to negotiation
5	Venue	NIRS Radiation Risk Reduction Research Program (Inage)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association (NSRA)
8	Presence or Absence of Sponsorship	[Present] Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	・ Having biology or medicine background; Not being allergic to animals (mice) ・ FNCA Countries + Sri Lanka
11	Capacity	1-2
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html
13	Contact for Inquiries	Iard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Response of plant materials against ion-beam irradiation
2	Field	A. Radioactive Waste Management B-1. RI Application [B-2]. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program – Objective – Method – etc.	It is important to check the dose-reponse of the material before applying radiation for mutation breeding. Therefore, dose-response of a plant material in terms of survival, morphology and so on against ion-beam (proton or carbon) and X-ray will be investigated in this theme. The material for the research should be determined after discussing with the adopter.
4	Schedule and Duration	Duration: 3 months Schedule: Open to negotiation
5	Venue	WERC, Biology Division, (Tsuruga)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association
8	Presence or Absence of Sponsorship	[Present] Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	・ To have a bachelor's or higher degree in biology, biotechnology, or agriculture. ・ Young researcher/student who has an knowledges and experimental skills about basic a biology and agriculture. ・ FNCA Countries + Sri Lanka
11	Capacity	1
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
13	Contact for Inquiries	lard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Neutron Activation Analysis of Reference materials in GSJ, USGS, and NRCC and dust and particles in air
2	Field	A. Radioactive Waste Management B-1. RI Application [B-2]. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	Chemical composition of reference materials available in Geological Survey of Japan (GSJ), United States Geological Survey (USGS), and National Research Council Canada (NRCC) will be determined by using neutron activation analysis and some of elements will be determined by using ICPMS. Elemental composition of dust and particles in air will be also determined by using neutron activation analysis.
4	Schedule and Duration	Duration: 5 months Schedule: Open to negotiation
5	Venue	Kyoto University, Research Reactor Institute, (Kumatori)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association
8	Presence or Absence of Sponsorship	[Present] Absent
9	Contents of Sponsorship	· Air ticket · Accommodation · Daily Allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	· Master's or Doctor's degree in science, technology, and engineering · Engaged in radiation measurement · Have knowledge of gamma-ray spectrometry · FNCA Countries + Sri Lanka
11	Capacity	1
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
13	Contact for Inquiries	lard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Accurate measurement of half-life
2	Field	A. Radioactive Waste Management [B-1]. RI Application [B-2]. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	In some radionuclides, quality of their half-life data should be improved. Half-life of those radionuclides will be measured accurately using Radiochemical method.
4	Schedule and Duration	Duration: 5 months Schedule: Open to negotiation
5	Venue	Kyoto University, Research Reactor Institute, (Kumatori)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association (NSRA)
8	Presence or Absence of Sponsorship	[Present] Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	・ Master's or Doctor's degree in science, technology, and engineering ・ Engaged in radiation measurement ・ Have knowledge of gamma-ray spectrometry ・ FNCA Countries + Sri Lanka
11	Capacity	1
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html
13	Contact for Inquiries	iard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Study on production mechanism of aerosols
2	Field	A. Radioactive Waste Management B-1. RI Application [B-2]. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	Study on the production mechanism of aerosols using radiotracers produced by research reactor or accelerator.
4	Schedule and Duration	Duration: 5 months Schedule: Open to negotiation
5	Venue	Kyoto University, Research Reactor Institute, (Kumatori)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association
8	Presence or Absence of Sponsorship	[Present] Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	・ Master's or Doctor's degree in science, technology, and engineering ・ Engaged in radiation measurement ・ Have knowledge of gamma-ray spectrometry ・ FNCA Countries + Sri Lanka
11	Capacity	1
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html
13	Contact for Inquiries	iard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Conceptual design study for multipurpose small size test/research reactor
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program – Objective – Method – etc.	Nuclear and thermos-hydraulic design of core, selection of reactor core component materials, plant system, irradiation facilities, etc. will be carried out as a conceptual design.
4	Schedule and Duration	Duration: 3 months Schedule: Open to negotiation
5	Venue	JAEA, Neutron Irradiation and Testing Reactor Center (Oarai)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association (NSRA)
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	・ Bachelor's degree in science and technology ・ Engineers or researchers work on design or operation for research reactors ・ FNCA Countries + Sri Lanka
11	Capacity	1
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html
13	Contact for Inquiries	Iard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Benchmarking of evaluated nuclear data files
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	Performance of several evaluated nuclear data files, which have been developed in the world, is investigated through benchmark calculations for experimental data obtained at nuclear reactors and facilities. Processing of nuclear data files is also carried out to generate an application library for reactor calculations.
4	Schedule and Duration	Duration: 3 months Schedule: Open to negotiation
5	Venue	Hokkaido University, Graduate School of Engineering, Division of Energy and Environmental Systems, Nuclear Reactor Engineering Laboratory (Sapporo)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association (NSRA)
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	・ FNCA Countries + Sri Lanka
11	Capacity	1

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html
13	Contact for Inquiries	Iard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Numerical simulation of fuel burnup of nuclear reactors
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program – Objective – Method – etc.	Isotopes generation and transmutations during nuclear reactor operations are simulated by advanced numerical software, and time-dependent nuclear reactor decay heat and radiotoxicity of nuclear spent fuel are evaluated.
4	Schedule and Duration	Duration: 3 months Schedule: Open to negotiation
5	Venue	Hokkaido University, Graduate School of Engineering, Division of Energy and Environmental Systems, Nuclear Reactor Engineering Laboratory (Sapporo)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association (NSRA)
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	・ FNCA Countries + Sri Lanka
11	Capacity	1
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html
13	Contact for Inquiries	Iard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Development of advanced neutron transport simulation code for radioactivity evaluation of nuclear reactor component materials
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	In order to accurately evaluate radioactivity of nuclear reactor component materials, an advanced neutron transport simulation code, which is based on the discrete-ordinate method and hyper-fine energy group treatment, is developed.
4	Schedule and Duration	Duration: 6 months Schedule: Open to negotiation
5	Venue	Hokkaido University, Graduate School of Engineering, Division of Energy and Environmental Systems, Nuclear Reactor Engineering Laboratory (Sapporo
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association (NSRA)
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	・ FNCA Countries + Sri Lanka
11	Capacity	1
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
13	Contact for Inquiries	lard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Fundamental study on isolation condenser for boiling water reactors
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	In order to contribute to the advancement of isolation condenser (IC), which is one of passive safety systems equipped to boiling water reactor (BWR), heat removal property and behavior of two-phase flow in pipes of IC are quantitatively investigated using large-sized experimental apparatus.
4	Schedule and Duration	Duration: 3 months Schedule: Open to negotiation
5	Venue	Hokkaido University, Graduate School of Engineering, Division of Energy and Environmental Systems, Nuclear Reactor Engineering Laboratory (Sapporo)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association (NSRA)
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	・ FNCA Countries + Sri Lanka
11	Capacity	1
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
13	Contact for Inquiries	lard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Fundamental study on air-conditioning system for reactor contaminant of light water reactors
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	When various kinds of radioactive materials are leaked to reactor containment of light water reactors, air-conditioning systems, which can capture radioactive materials and emit purified air to the environment, are required. Well-established technology related to wet- and dry-type filter venting systems can be applied to such air-conditioning system. Through this research, foundamental data are obtained with several experimental equipments of the wat- and dry-type filter-venting systems.
4	Schedule and Duration	Duration: 3 months Schedule: Open to negotiation
5	Venue	Hokkaido University, Graduate School of Engineering, Division of Energy and Environmental Systems, Nuclear Reactor Engineering Laboratory (Sapporo)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association (NSRA)
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career	・ FNCA Countries + Sri Lanka

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
	-Nationality, etc.	
11	Capacity	1
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html
13	Contact for Inquiries	iard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Measurement and analysis of thermal hydraulics in research reactor under severe accident conditions
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	Loss-Of-Coolant Accident (LOCA) at nuclear power plants and research reactors can result in a melt down of fuel assembly. At the first stage of the accident, residual heat is cooled by boiling heat transfer and then by natural convection if all of the coolant is lost. In this research, basice experiments are performed for boiling heat transfer in a rectangular duct, which simulates the fuel assembly of research reactors. The measurement results are analyzed by conventional heat transfer model.
4	Schedule and Duration	Duration: 6 months Schedule: Open to negotiation
5	Venue	Kyoto University, Research Reactor Institute, Heat Transport, (Kumatori)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association (NSRA)
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	・ Bachelor's degree in science and technology ・ Basics of flow and heat transfer ・ FNCA Countries + Sri Lanka

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
11	Capacity	1
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html
13	Contact for Inquiries	iard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Experimental study on multi-phase flow phenomena in severe accidents of nuclear reactors
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program – Objective – Method – etc.	Experimental clarification on dynamic characteristics of disrupted core debris and development of their experimental database
4	Schedule and Duration	Duration: 6 months Schedule: Open to negotiation
5	Venue	Kyushu University, Graduate School of Engineering, Department of Applied Quantum Physics and Nuclear Engineering, Research Group of Nuclear Energy Systems, (Fukuoka)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association (NSRA)
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	・ Master's degree in science and engineering ・ Knowledge of recator thermal hydraulics and safety ・ FNCA Countries + Sri Lanka
11	Capacity	1
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html
13	Contact for Inquiries	Iard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Design concept of innovative small long-life passive-safe nuclear reactor
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program – Objective – Method – etc.	Study on innovative nuclear reactor concept which does not need refueling for long period with high passive safety feature
4	Schedule and Duration	Duration: 6 months Schedule: Open to negotiation
5	Venue	Tokyo Institute of Technology, Research Laboratory for Nuclear Reactors, (Tokyo)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association (NSRA)
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	・ Master's degree or doctoral degree in scinece and technology ・ Experience of research in the field of nuclear reactor engineering ・ FNCA Countries + Sri Lanka
11	Capacity	1
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html
13	Contact for Inquiries	iard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Developing compact radiation signal processors using mobile phone and mini PC.
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program – Objective – Method – etc.	Preparing software for processing signals from radiation detectors, as well as practical application of the mobile phone and mini PC to realistic radiation monitoring.,
4	Schedule and Duration	Duration: 6 months Schedule: Open to negotiation
5	Venue	NIMS, X-ray physics Laboratory, (Tsukuba)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association (NSRA)
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	・ Master or Bachelor in nuclear sciences and engineering ・ Some computer programming skills are required ・ FNCA Countries + Sri Lanka
11	Capacity	1
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html
13	Contact for Inquiries	iard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Synthesis of scintillating crystals suitable for detecting X-rays and neutrons
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	Some scintillators will be studied in the ordinary manner of materials science, i.e., synthesis of crystals, identification of the structure, studying the crystallization process, and evaluation of the optical properties.
4	Schedule and Duration	Duration: 6 months Schedule: Open to negotiation
5	Venue	NIMS, X-ray physics Laboratory, (Tsukuba)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association (NSRA)
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	・ Master or Bachelor in nuclear sciences and engineering ・ FNCA Countries + Sri Lanka
11	Capacity	1
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html
13	Contact for Inquiries	Iard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Environmental monitoring of radionuclides released from nuclear power plant accident by using inductively coupled plasma-mass spectrometry
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety [E-2]. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	Development of the precise determination technique on the long-lived radionuclides such as uranium isotope, radio cesium and radioiodine in the environmental samples by using inductively coupled plasma-mass spectrometry (ICP-MS).
4	Schedule and Duration	Duration: 6 months Schedule: Open to negotiation
5	Venue	Hirosaki University, Department of Radiation Chemistry, Institute of Radiation Emergency Medicine, (Hirosaki)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association (NSRA)
8	Presence or Absence of Sponsorship	[Present] Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	・ Bachelor's degree in science and technology ・ Engaged in radiation measurement ・ FNCA Countries + Sri Lanka
11	Capacity	1
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html
13	Contact for Inquiries	Iard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Regulatory science research on radiation safety and protection
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety [E-2]. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	1) Development of a new framework for radiation safety management, 2) Oprimization of radiation protection and management, and 3) Development of apploach methods and tools related, which are applied to nuclear/radiation facilities, high-dose natural radiation environments, or radioactively contaminated environments. Ref: http://www.k.u-tokyo.ac.jp/pros-e/person/takeshi_iimoto/takeshi_iimoto.htm
4	Schedule and Duration	Duration: 6 months Schedule: Open to negotiation
5	Venue	The University of Tokyo Graduate School of Frontier Sciences, Department of Environment Systems, Environmental Safety Management Laboratory (Kashiwa)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association (NSRA)
8	Presence or Absence of Sponsorship	[Present] Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation	・ Engaged in the field of radiation safety, radiation

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
	-Background -Career -Nationality, etc.	protection, radiation control or radiation regulation ・ FNCA Countries + Sri Lanka
11	Capacity	1
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html
13	Contact for Inquiries	Iard@nsra.or.jp

2016 ANTEP Programs by Japan (NSRA)

No.	Question	Entry Column
1	Program Title	Fundamental study for the development of high-energy photon field by LINAC
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program – Objective – Method – etc.	For the development of high-energy photon field using the LINIAC, the evaluation of photon spectra are needed. So in this study, the simulation of photon spectra will be done using EGS code.
4	Schedule and Duration	Duration: 3 months Schedule: Open to negotiation
5	Venue	AIST, Ionizing Radiation Standards Group, Research Institute for Measurement and Analytical Instrumentation, National Metrology Institute of Japan (Tsukuba)
6	Working Language	English
7	Host Organization	Nuclear Safety Research Association (NSRA)
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	・ Air ticket ・ Accommodation ・ Daily Allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	・ Bachelor's degree in science and technology ・ Engaged in radiation measurement ・ FNCA Countries + Sri Lanka
11	Capacity	1
12	How to apply	See website; http://www.nsra.or.jp/int/iard/exchange.html
13	Contact for Inquiries	Iard@nsra.or.jp

2016 ANTEP Programs by Japan (WERC)

No.	Question	Entry Column
1	Program Title	Course of Nuclear Plant Safety (NPS)
2	Field	[A. Radioactive Waste Management] B-1. RI Application B-2. Radiation Application [C. Plant/Reactor] [D. Nuclear Fuel/Material] [E-1. Nuclear Safety] [E-2. Radiation Safety] [F. Policy/ Planning/ Administration] G. Others
3	Outline of the Program – Objective – Method – etc.	This course presents knowledge about safety of nuclear power plant. It covers lesson from Fukushima Daiichi accident, local government policy on nuclear power plant, and activities to promote understanding of local residents. The course consists of lecture, discussion, and facility visit.
4	Schedule and Duration	-From October to November 2016 -4 weeks
5	Venue	Fukui prefecture, Japan
6	Working Language	English
7	Host Organization	MEXT, JAEA, WERC
8	Presence or Absence of Sponsorship	[Present] Absent
9	Contents of Sponsorship	Travel expense, daily allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	-Technical staff and researchers from research institutes and universities -Staff from government organizations -Bangladesh, China, Indonesia, Kazakhstan, Malaysia, Mongolia, Philippines, Saudi Arabia, Sri Lanka, Thailand, Turkey, Vietnam
11	Capacity	10
12	How to apply	Submit application
13	Contact for Inquiries	The Wakasa wan Energy Research Center

2016 ANTEP Programs by Japan (WERC)

No.	Question	Entry Column
1	Program Title	Course of Nuclear energy Officials (NEO)
2	Field	[A. Radioactive Waste Management] B-1. RI Application B-2. Radiation Application [C. Plant/Reactor] [D. Nuclear Fuel/Material] [E-1. Nuclear Safety] [E-2. Radiation Safety] [F. Policy/ Planning/ Administration] G. Others
3	Outline of the Program – Objective – Method – etc.	This course presents knowledge about administration and regulation of nuclear power plant. The course consists of lecture, discussion, and facility visit.
4	Schedule and Duration	-From November to December 2016 -3 weeks
5	Venue	Fukui prefecture, Japan
6	Working Language	English
7	Host Organization	MEXT, JAEA, WERC
8	Presence or Absence of Sponsorship	[Present] Absent
9	Contents of Sponsorship	Travel expense, daily allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	-Staff from government organizations -Bangladesh, China, Indonesia, Kazakhstan, Malaysia, Mongolia, Philippines, Saudi Arabia, Sri Lanka, Thailand, Turkey, Vietnam
11	Capacity	10
12	How to apply	Submit application
13	Contact for Inquiries	The Wakasa wan Energy Research Center (WERC)

2016 ANTEP Programs by Japan (WERC)

No.	Question	Entry Column
1	Program Title	Course of Site Preparation & Public Relation (SP&PR)
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application [C. Plant/Reactor] D. Nuclear Fuel/Material [E-1. Nuclear Safety] E-2. Radiation Safety [F. Policy/ Planning/ Administration] G. Others
3	Outline of the Program – Objective – Method – etc.	This course presents knowledge about site preparation and public relation of a nuclear power plant. The course consists of lecture, discussion, and facility visit.
4	Schedule and Duration	-January 2017 -1 week
5	Venue	Fukui prefecture, Japan
6	Working Language	English
7	Host Organization	MEXT, JAEA, WERC
8	Presence or Absence of Sponsorship	[Present] Absent
9	Contents of Sponsorship	Travel expense, daily allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	-Staff from government organizations -Bangladesh, Indonesia, Kazakhstan, Malaysia, Mongolia, Philippines, Saudi Arabia, Sri Lanka, Thailand, Turkey, Vietnam
11	Capacity	7
12	How to apply	Submit application
13	Contact for Inquiries	The Wakasa wan Energy Research Center (WERC)

2016 ANTEP Programs by Japan (WERC)

No.	Question	Entry Column
1	Program Title	IAEA/FUKUI Pref./WERC Regional workshop on Instructors Training Program
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program – Objective – Method – etc.	This regional workshop is intended to provide and exchange information for instructors on the subject of “safety leadership”. It will address IAEA safety standards and the concepts of leadership, management for safety, and safety culture for the regulatory body and other stakeholders as well as lessons learned and regulatory enhancements from the past nuclear accidents.
4	Schedule and Duration	-From 26 to 30 September, 2016 -1 week
5	Venue	Fukui prefecture, Japan
6	Working Language	English
7	Host Organization	IAEA/Fukui Pref./WERC
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	Travel expense, daily allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	- Professional staff members of regulatory bodies, Technical Support Organisation, operators, research institutions etc. - Member countries of IAEA/ANSN (Asia Nuclear Safety Network)
11	Capacity	12
12	How to apply	
13	Contact for Inquiries	The Wakasa wan Energy Research Center (WERC)

2016 ANTEP Programs by Japan (WERC)

No.	Question	Entry Column
1	Program Title	IAEA/JICC/WERC Mentoring Course
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	Seminars to learn the latest knowledge about Japanese technology, nuclear power generation and safety measures (including human resources development)
4	Schedule and Duration	-23 May to 3 June, 2016 -2 weeks
5	Venue	Various regions in Japan, including Fukui prefecture
6	Working Language	English
7	Host Organization	IAEA/JICC/WERC
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	Travel expense, daily allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	-Staffs of governmental organizations -Foreign countries
11	Capacity	17
12	How to apply	
13	Contact for Inquiries	The Wakasa wan Energy Research Center (WERC)

2016 ANTEP Programs by Japan (WERC)

No.	Question	Entry Column
1	Program Title	Japan-IAEA Joint Nuclear Energy Management School
2	Field	[A. Radioactive Waste Management] B-1. RI Application B-2. Radiation Application [C. Plant/Reactor] [D. Nuclear Fuel/Material] [E-1. Nuclear Safety] [E-2. Radiation Safety] [F. Policy/ Planning/ Administration] [G. Others]
3	Outline of the Program – Objective – Method – etc.	The purpose of this school is to provide a unique international educational experience aimed at building future leadership to manage nuclear energy programmes, to nourish a wide range of knowledge on issues related to the peaceful use of nuclear technology, and to broaden individual networking with people interested in nuclear energy from all over the world.
4	Schedule and Duration	-11-28 July 2016 -3 weeks
5	Venue	The University of Tokyo, Tsuruga City
6	Working Language	English
7	Host Organization	JN-HRD.net/JAEA/The University of Tokyo/JAIF/ JICC/WERC/IAEA
8	Presence or Absence of Sponsorship	[Present] Absent
9	Contents of Sponsorship	Travel expense, daily allowance
10	Eligibility for Participation -Background -Career -Nationality, etc.	- Young professionals (preferably less than 40 years old) with managerial potential who have worked in the nuclear field at least for 3 years - Bangladesh, China, Czech Republic, Estonia, Finland, Indonesia, Kazakhstan, Republic of Korea, Latvia, Lithuania, Malaysia, Poland, Saudi Arabia, Thailand, Turkey, United Kingdom, and Viet Nam
11	Capacity	20
12	How to apply	
13	Contact for Inquiries	The Wakasa wan Energy Research Center (WERC)

2016 ANTEP Programs by Korea

No.	Question	Entry Column
1	Program Title	2016 KOICA-KAERI-IAEA Interregional Training Course on Fundamentals of Radioisotopes and Radiation Technology
2	Field	A. Radioactive Waste Management [B-1. RI Application] [B-2. Radiation Application] C. Plant/Reactor D. Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	The purpose of this regional training course is to provide an overview on the applications of radioisotopes and radiation technologies in the areas of health, environment, agriculture and industrial applications
4	Schedule and Duration	06-24 November. 2016, 19days
5	Venue	Daejeon, Korea
6	Working Language	English
7	Host Organization	Korea Atomic Energy Research Institute (KAERI)
8	Presence or Absence of Sponsorship	[Present] Absent
9	Contents of Sponsorship	Travel expense, accommodation assistance, day allowance by Korea International Cooperation Agency (KOICA)
10	Eligibility for Participation -Background -Career -Nationality, etc.	The applicants should be employed by governmental authorities, organizations, R&D institutes or regulatory bodies involved in radiation and nuclear technologies. The applicants should hold, as a minimum, a Bachelor's degree in Sciences or the equivalent, have understanding of the English language and are proposed not to exceed 40 years of age
11	Capacity	1~5
12	How to apply	Nominations should be submitted on the standard IAEA and KOICA training course nomination form.
13	Contact for Inquiries	MS. Seo Yeun Bang

2016 ANTEP Programs by Korea

No.	Question	Entry Column
		Capacity Development Program Team (KOICA) Sybang1(atmark)koica.go.kr

2016 ANTEP Programs by Korea

No.	Question	Entry Column
1	Program Title	2016 RCARO/KAERI REGIONAL WORKSHOP on Radiation Application
2	Field	A. Radioactive Waste Management B-1. RI Application [B-2. Radiation Application] C. Plant/Reactor D. Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	To introduce radiation application based on the experiences of RCA Member States and Korea
4	Schedule and Duration	09-21 Oct. 2016, 14days
5	Venue	Daejeon, Korea
6	Working Language	English
7	Host Organization	Korea Atomic Energy Research Institute (KAERI)
8	Presence or Absence of Sponsorship	[Present] Absent
9	Contents of Sponsorship	Travel expense, accommodation assistance, day allowance by RCA Regional Office
10	Eligibility for Participation -Background -Career -Nationality, etc.	Technical and managerial professionals directly involved in the field of radiation application technology in government authorities, R&D institutes and regulatory bodies Of 1-5 years relevant experience in radiation application technology 15-20 Completed application form should be endorsed and approved by the National RCA Representative
11	Capacity	1~5
12	How to apply	Completed application form should be endorsed and approved by the National RCA Representative
13	Contact for Inquiries	Kyung Eun SHON RCA Regional Office Keshon(atmark)rcaro.org

2016 ANTEP Programs by Malaysia

No.	Question	Entry Column
1	Program Title	Master Of Science (Radiation Science) Mixed Mode Offshore Programme
2	Field	A. Radioactive Waste Management B-1.RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	**Objective** The programme was first designed to equip students with advance knowledge and hands-on experience in the field of Radiation Science, in particular Radiation Protection and Safety. The off-shore programme was designed for practicing technologists and scientists to advance their practical and technology expertise in the field of radiation. **Curriculum** The courses offered are in accordance with the IAEA standard syllabus on Radiation Protection and the Safety of Radiation Sources. Radiation Physics (ZCT 532/4) consists of the Nuclear Physics topics in the IAEA syllabus. The Dosimetry and Radiation Protection course (ZCT 533/4) covers the Quantities and Measurements and Biological Effects of Ionizing Radiation in the IAEA standard syllabus. Radiation Protection I (ZCT 551/4) introduces Principles of Radiation Protection and the International Framework, Regulatory Control and Assessment of External and Internal Exposures as in the IAEA standard syllabus.

2016 ANTEP Programs by Malaysia

No.	Question	Entry Column
		Radiation Protection II (ZCT 552/4) focuses on Medical Exposures in Diagnostic Radiology, Radiotherapy and Nuclear Medicine, Exposure of the Public due to Practices, Intervention in Situations of Chronic and Emergency Exposure, and Training theTrainers as in the syllabus. **Teaching and Assessment** Teaching and learning are through lectures, seminars, workshops and laboratory sessions. The practical component allows students to develop hands-on experience in carrying out laboratory experiments using radiation detectors and radiation related instrumentations. Assessments include both written and oral examinations together with group or individual projects and report writing for practical laboratory sessions. Each student is required to undertake a research project in Semester II that leads to a dissertation that must be submitted in August of the same Academic Calendar. Research projects propose specific aims to develop skills and to provide extensive knowledge in Radiation Science and Radiation Application. **Graduation Requirement** Students must pass all the taught courses with at least Grade C+, submit a dissertation and pass viva voce (oral examination). Obtain CGPA of at least 3.00. It is compulsory for the international students to take and pass the Malay Language Course (LKM 100).
4	Schedule and Duration	Minimum candidacy is 2 semesters (1 full year) and maximum candidacy is 4 semesters.
5	Venue	Malaysian Nuclear Agency, Bangi, Selangor, MALAYSIA
6	Working Language	English

2016 ANTEP Programs by Malaysia

No.	Question	Entry Column
7	Host Organization	Malaysian Nuclear Agency and University Science of Malaysia
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	None
10	Eligibility for Participation -Background -Career -Nationality, etc.	**Admission Requirement** ***Qualification*** Applicants should possess a Bachelor degree in Physics or Radiation Science or Nuclear Engineering or equivalent with CGPA (maximum 4.00) of at least: **2.75** Subject to additional requirement(s) by the School; ***or*** **2.5 - 2.74** Research experience – 1 year; *or* Professional experience in related field- 1 year; *or* Two (2) academic publications (journal articles, not proceeding(s) in related field; *or* Obtained of at least Grade B for Radiation Science major/ elective courses; *or* Obtained of at least Grade B+ for final year project; ***or*** **2.00 - 2.49** Research experience - 5 years or professional experience in related field - 5 years, *and* Two (2) academic publications (journal articles, not proceeding(s) in related field; *or* Obtained of at least Grade B for Radiation Science major/ elective courses; *or*

2016 ANTEP Programs by Malaysia

No.	Question	Entry Column
		Obtained of at least Grade A- for final year project. **and** A TOEFL score of min. 80 (Internet-Based) /IELTS Band 6.0/ grade in other equivalent examinations
11	Capacity	Intake into this programme is in September. Updated information will be posted in local newspapers and links in USM and IPS websites. It is important to check the deadline for the chosen programme. Applications received before the deadlines will be processed promptly, whereas applications received after the deadlines will be processed only if vacancies are available for the selected programme.
12	How to apply	To speed up the application process we advise you to **apply online, through website** at the address : http://www.ips.usm.my/index.php/downloads/admission
13	Contact for Inquiries	Mr Mohd Sidek Othman Course Director E-mail: sidek_othman(atmark)nuclearmalaysia.gov.my Tel : (603) 8911 2000 Fax : (603) 8911 2180 Website: http://www.nuclearmalaysia.gov.my or School of Physics UniversitiSains Malaysia 11800 USM, Penang, Malaysia. Tel: (604) 653 3200 Fax: (604) 657 9150

2016 ANTEP Programs by Malaysia

No.	Question	Entry Column
1	Program Title	Nuclear Leadership and Management
2	Field	A. Radioactive Waste Management B-1.RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program – Objective – Method – etc.	Objectives – To appreciate the leadership and managerial roles required to enhance in nuclear industry – To master the aspect of leadership and management related in nuclear industry – To understand the nuclear business in non-power and power applications – To keep abreast with the current outlook for development in nuclear business – To familiar with the indicator performance and capitalize resources for effectiveness and conducive working atmosphere Methodology – Lecture, Presentation, Discussion and Case Study
4	Schedule and Duration	3 Days (9:00 – 17:00)
5	Venue	Malaysian Nuclear Agency, Bangi, Selangor, MALAYSIA
6	Working Language	English
7	Host Organization	Malaysian Nuclear Agency, Bangi, Selangor, MALAYSIA
8	Presence or Absence of Sponsorship	Present Absent

2016 ANTEP Programs by Malaysia

No.	Question	Entry Column
9	Contents of Sponsorship	None
10	Eligibility for Participation -Background -Career -Nationality, etc.	– Officer and executive attached or working with nuclear industry for non-power and power application – Radiation Protection for Officer (RPO), Licensee, SHO Officer, Manager, Executive Level, HRD, Academician and those who involved in management of nuclear – FNCA member countries
11	Capacity	1
12	How to apply	http://eclient.nuclearmalaysia.gov.my / http://trainingcentre.nuclearmalaysia.gov.my
13	Contact for Inquiries	1. Ms Nor Hadzalina Sukarseh Manager Training Centre Email : hadza(atmark)nm.gov.my 2. Ms Anis Suraya Mohamed Rasdi Training Coordinator Email : Suraya(atmark)cc.nm.gov.my

2016 ANTEP Programs by Malaysia

No.	Question	Entry Column
1	Program Title	International Radiation Protection Conference & Workshop
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	Objectives 1. To disseminate information on the latest development. Strategies and future direction for proper radiation safety practices 2. To overview the current radiation practices at workplace as to confirm to the safety standard and procedures 3. To keep abreast on the development of ionizing radiation activities such as R&D, education and training, procedures, licensing and regulation 4. To provide networking opportunity, sharing thoughts and experience with other professionalism colleagues towards the betterment of RPO professionalism 5. As a platform where radiation professionals, managers, trainers, academicians and those from regulatory and relevant authorities meet together to stimulate useful business link Program Outline - Paper Presentation by notable international and local speakers (4 keynotes and 15 papers)

2016 ANTEP Programs by Malaysia

No.	Question	Entry Column
		- Theres will be a discourse and interactive round table discussion after the conference where the participants will be teamed into several groups to discuss issues of interest adopting smart partnership approach, followed by group presentations. - Forum - Technical visit
4	Schedule and Duration	29 Nov – 01 Dec 2016 4 Days (9:00 – 17:30)
5	Venue	Johor Bahru, Malaysia
6	Working Language	English
7	Host Organization	Malaysian Nuclear Agency
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	None
10	Eligibility for Participation -Background -Career -Nationality, etc.	Radiation licensee, Radiation protection officer/supervisor, Manager, researcher, lecturer, academician, safety officer, health safety and environment) officer, medical physicist, physician, laboratory manager and those who are interested and involved in radiation protection and safety
11	Capacity	1
12	How to apply	http://trainingcentre.nuclearmalaysia.gov.my or please email to the officers below.
13	Contact for Inquiries	1. Ms Nor Hadzalina Sukarseh Manager Training Centre Email : hadza(atmark)nm.gov.my 2. Ms Anis Suraya Mohamed Rasdi Training Coordinator Email : Suraya(atmark)cc.nm.gov.my

2016 ANTEP Programs by Malaysia

No.	Question	Entry Column
1	Program Title	Post Graduate Educational Course (PGEC)
2	Field	A. Radioactive Waste Management B-1.RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program – Objective – Method – etc.	The Post Graduate Educational Course (PGEC) was held in collaboration with the International Atomic Energy Agency (IAEA). The programme is hosted by Nuclear Malaysia in cooperation with Universiti Sains Malaysia (USM) andother local partners including AELB (Atomic Energy Licensing Board) and Ministry of Health (MOH). This course was established to improve Radiation Protection Infrastructure in the region. Malaysia has agreed to share its resources, experience and training infrastructures with other region of developing countries to achieve this objective. The general aim of the course is to provide initial basic knowledge for professional from international and local who involved in radiation professionals. Methodology – Lecture, Presentation,Practical, Discussion and Case Study, Examination and Mini Project
4	Schedule and Duration	6 month (9:00 – 17:00)
5	Venue	Malaysian Nuclear Agency, Bangi, Selangor, MALAYSIA

2016 ANTEP Programs by Malaysia

No.	Question	Entry Column
6	Working Language	English
7	Host Organization	Malaysian Nuclear Agency, Bangi, Selangor, MALAYSIA
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	- IAEA
10	Eligibility for Participation -Background -Career -Nationality, etc.	Officer and executive attached or working with nuclear industry for non-power and power application
11	Capacity	1
12	How to apply	For any information, please visit website https://www.iaea.org/
13	Contact for Inquiries	Malaysia Mr Mohd Sidek Othman Course Director E-mail: sidek_othman(atmark)nuclearmalaysia.gov.my Tel : (603) 8911 2000 Fax : (603) 8911 2180 Website: http://www.nuclearmalaysia.gov.my

2016 ANTEP Programs by Thailand (TINT)

No.	Question	Entry Column
1	Program Title	Study on Corrosion Under Insulation Using Neutron Backscattering Technique
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/Planning/Administration G. Other
3	Outline of the Program - Objective - Method - etc.	The corrosion under insulation is the subject where the corrode pipe position can not be explicitly determine. The corrosion initiate the change of material integrities and properties from design. For instance, the pipe line was designed to handle the pressure at a certain level, however, locally degradatoin of pipe can cause the leakge. Therefore, detection of corrosion at early stage is prefered. Nowadays, corrosion under insulation inspection is carry out by visual inspection, hence, the insulator must be disassembly and assembly back. Neutron backscattering is technique that will sense the accumulation of water containing inside the insulator and there is a possibilities to identify the location where corrosion should be monitoring.
4	Schedule and Duration	Schedule : To be determined according to consultation with trainee and host organization Duration : About 3 months
5	Venue	Thailand Institute of Nuclear Technology (TINT), Ongkharak Destrict, Nakhornnayok Province, Thailand

2016 ANTEP Programs by Thailand (TINT)

No.	Question	Entry Column
6	Working Language	English
7	Host Organization	Thailand Institute of Nuclear Technology
8	Presence or Absence of Sponsorship (Please circle)	Present Absent
9	Contents of Sponsorship	- Air ticket - Daily Allowance - Accommodation
10	Eligibility for Participation - Background - Career - Nationality, etc.	- Bachelor or Master Degree in Science, Engineering - Basic knowledge of radiation protection - Having research skills - FNCA member countries
1	Program Title	Study on Corrosion Under Insulation Using Neutron Backscattering Technique
12	How to apply	
13	Contact for Inquiries	

2016 ANTEP Programs by Thailand (TINT)

No.	Question	Entry Column
1	Program Title	Image Guided Adaptive Brachytherapy (IGABT)
2	Field	A. Radioactive Waste Management B-1. RI Application [B-2.] Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program – Objective – Method – etc.	IGABT is the technique of brachytherapy in the computer era that can provide the good coverage of the radiation dose to the target or tumor. IGABT has been started in Siriraj Hospital since 2012 and completely replace the 2D technique of Brachytherapy in 2014. Siriraj Hospital is one of the leader in IGABT technique and the site for IGABT learning and practice. Not only for Thai colleague, we had arranged the IGABT course for Pakistan team and Myanmar team supported by IAEA. Objective – to support the start of IGABT, transformation from 2D rechnique, in FNCA colleague. Methods. 1. Small group workshop 2. short stay for practice.
4	Schedule and Duration	1. 3 – 5 days small group workshop for 10 participants. 2. 2 weeks to 1 month visit
5	Venue	Division of Radiation Oncology Siriraj Hospital, Mahidol University
6	Working Language	English
7	Host Organization	FNCA and Faculty of Medicine Siriraj Hospital, Mahidol University
8	Presence or Absence of Sponsorship	Present [Absent]
9	Contents of Sponsorship	none

2016 ANTEP Programs by Thailand (TINT)

No.	Question	Entry Column
10	Eligibility for Participation -Background -Career -Nationality, etc.	- Medical personel : Radiation oncologist, Medical physicist and Radiation technologist, responsible for brachytherapy - FNCA member
11	Capacity	- 10 participants for small group workshop - 2 participants for 3 month visit
12	How to apply	To be determine
13	Contact for Inquiries	1. yaowalak.ch(atmark)hotmail.com 2. kullathorn(atmark)gmail.com

2016 ANTEP Programs by Thailand (TINT)

No.	Question	Entry Column
1	Program Title	Patient specific quality assurance for IMRT and VMAT plans
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	In IMRT delivery, the mechanical components that can be varied are gantry positions, collimator positions, MLC configurations, couch positions and dose rates. IMRT delivery techniques based on MLC can be typically classified into two categories: fixed gantry IMRT and dynamic gantry IMRT (VMAT). IMRT has been started at Siriraj Hospital since 2004 and VMAT since 2012. However, the advancement in IMRT and VMAT delivery doesn't come without a risk. The clinical efficacy of IMRT and VMAT relies on the ability of the planning system and the delivery system to accurately deliver planned dose to the target. So increased effort has to be made to understand IMRT and VMAT planning and delivery process and its associated QA procedures compared with 3D-CRT. Thus the delivery quality assurance (QA) has become an integral part of IMRT and VMAT treatment process. Objective: To make FNCA colleague to increase effort to understand IMRT and VMAT planning and delivery process and its associated patient specific QA procedures. Methods. 1. Small group workshop 2. short stay for practice.

2016 ANTEP Programs by Thailand (TINT)

No.	Question	Entry Column
4	Schedule and Duration	1. 5 days for small group workshop for 10 participants. 2. 2 to 3 month visit
5	Venue	Division of Radiation Oncology Faculty of Medicine Siriraj Hospital, Mahidol University
6	Working Language	English
7	Host Organization	FNCA and Faculty of Medicine Siriraj Hospital, Mahidol University
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	none
10	Eligibility for Participation -Background -Career -Nationality, etc.	- Medical personel : Medical Physicist, Radiation Oncologist, and Radiation technologist, responsible for treatment planning, treatment delivery and quality assurance - FNCA member
11	Capacity	- 5 participants for small group workshop - 2 participants for 3 month visit
12	How to apply	To be determine
13	Contact for Inquiries	1. yaowalak.ch(atmark)hotmail.com 2. kullathorn(atmark)gmail.com

2016 ANTEP Programs by Thailand (OAP)

No.	Question	Entry Column
1	Program Title	Nuclear and Radiation Safety Regulation for Public communication
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program – Objective – Method – etc.	To learn and share experience of how to communication with public an create trust of nuclear and radiation application in the country by table top exercise, classroom lecture, OJT
4	Schedule and Duration	1-2 months
5	Venue	
6	Working Language	English
7	Host Organization	NRA, Japan
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	
10	Eligibility for Participation -Background -Career -Nationality, etc.	Graduate level with knowledge of nuclear and radiation regulation and its relate fields -Regulators -FNCA member countries
11	Capacity	1
12	How to apply	Instructed
13	Contact for Inquiries	Through the website indicated

2016 ANTEP Programs by Vietnam

No.	Question	Entry Column
1	Program Title	Basic Professional Training Courses
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program – Objective – Method – etc.	Basic knowledge of above fields - Theory and Practice
4	Schedule and Duration	Schedule not yet decided, duration of each course in 1-3 weeks
5	Venue	1. Nuclear Research Institute (NRI), VINATOM 01 Nguyen Tu Luc, Da Lat city, Lam Dong province, Vietnam 2. Nuclear Training Center (NTC), VINATOM 140 Nguyen Tuan, Hanoi, Vietnam
6	Working Language	English/Vietnamese
7	Host Organization	Nuclear Research Institute (NRI), VINATOM Nuclear Training Center (NTC), VINATOM
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	
10	Eligibility for Participation -Background -Career -Nationality, etc.	1) Master's or bachelor's degree in science and engineering 2) Engaged in radiation work 3) Thai Land, Malaysia, Indonesia, Vietnam
11	Capacity	
12	How to apply	It will be announced on the website of NRI http://www.nri.gov.vn
13	Contact for Inquiries	Nuclear Training Center, Nuclear Research Institute (NRI)

2016 ANTEP Programs by Vietnam

No.	Question	Entry Column
		01 Nguyen Tu Luc, Da Lat city, Lam Dong province, Vietnam Tel: +84-63-3520770 Fax: +84-63-3821107 Email: ttdtnchndl(atmark)yahoo.com Website: http://www.nri.gov.vn

2016 ANTEP Programs by Vietnam

No.	Question	Entry Column
1	Program Title	Understanding the Physics and Technology of PWRs using Educational Principles Simulators
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	- VVER Simulator (Systems, Operation and Control) - Theory and Practice
4	Schedule and Duration	Schedule not yet decided, duration of each course in 2 weeks
5	Venue	Nuclear Training Center, Nuclear Research Institute (NRI), VINATOM 01 Nguyen Tu Luc, Da Lat city, Lam Dong province, Vietnam
6	Working Language	English
7	Host Organization	Nuclear Training Center, Nuclear Research Institute (NRI), VINATOM
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	
10	Eligibility for Participation -Background -Career -Nationality, etc.	1) Master's or bachelor's degree in science and engineering 2) Engaged lecturers/trainers from institutes or universities 3) Thai Land, Malaysia, Indonesia, Vietnam
11	Capacity	IAEA will provide experts and VINATOM will be as a Counterpart Organization
12	How to apply	It will be announced on the website of NRI http://www.nri.gov.vn
13	Contact for Inquiries	Nuclear Training Center, Nuclear Research Institute

2016 ANTEP Programs by Vietnam

No.	Question	Entry Column
		(NRI) 01 Nguyen Tu Luc, Da Lat city, Lam Dong province, Vietnam Tel: +84-63-3520770 Fax: +84-63-3821107 Email: ttdtnchndl(atmark)yahoo.com Website: http://www.nri.gov.vn

2016 ANTEP Programs by Thailand (TINT)

No.	Question	Entry Column
1	Program Title	Characterization of Radioactive Waste
2	Field	A. Radioactive Waste Management B-1. RI Application B-2. Radiation Application C. Plant/Reactor D. Nuclear Fuel/Material E-1. Nuclear Safety E-2. Radiation Safety F. Policy/ Planning/ Administration G. Others
3	Outline of the Program - Objective - Method - etc.	Objective: To develop RWM technology on Predisposal of RW Method: On the job training in RWM Facility or Laboratory
4	Schedule and Duration	2 Months
5	Venue	TINT,Bangkok
6	Working Language	English
7	Host Organization	TINT
8	Presence or Absence of Sponsorship	Present Absent
9	Contents of Sponsorship	
10	Eligibility for Participation -Background -Career -Nationality, etc.	B.Sc. or B.Eng, Experience in RWM more than 2 years.
11	Capacity	1 trainee
12	How to apply	
13	Contact for Inquiries	