ISTIC Certified

Training Programme on Science, Technology and Innovation (STI) Policy and Management for Developing Countries (ICPS)

17-24 August 2015
Kuala Lumpur, Malaysia

Organized by :
International Science, Technology and Innovation Centre
for South-South Cooperation under the auspices of UNESCO (ISTIC)

In collaboration with :
Ministry of Science, Technology and Innovation (MOSTI)
United Nations Educational, Scientific and Cultural Organization (UNESCO)
Islamic Development Bank (IDB)
Islamic Educational, Scientific and Cultural Organization (ISESCO)
Perdana School of Science, Technology and Innovation Policy, Universiti Teknologi Malaysia

Programme Coordinator :
PRIMA Asia Pacific Consulting (PAPC)

BACKGROUND

In this globalization era of the knowledge and innovation economy, S&T has become more than ever a critical factor driving the development agenda of nations. An important mandate of the International Science, Technology and Innovation Centre for South-South Cooperation under the auspices of UNESCO (ISTIC) is therefore to assist UNESCO member countries develop and implement sound science and technology (S&T) policies.

As for Islamic Educational Scientific and Cultural Organization (ISESCO) and Islamic Development Bank (IDB), the objective of its science programme is to provide technical support to member states in developing adequate policies and programmes and their implementation in accordance with their own specific needs.

It is with this in mind that ISTIC is committed to developing professionals that will drive the development and implementation of science, technology and innovation and programme for the developing countries and emerging economies.

The Essentials for STI Policy - Certification of Professionals

In many developing countries, many professionals in government, in industry and serving nongovernmental organizations are challenged by the fast pace of technological change. Science and Technology is without doubt a strategic driver that contributes toward the shift from relatively lower end economic activities into high value added activities.

As such, professionals who understand the dynamics of science and technology within the context of economic and market development, are critical to help in designing blueprints and strategic implementation frameworks to lead strategic transformation within countries and organizations.

ISTIC is committed in ensuring developing countries are not left behind in the pursuit of economic advancement, impeded by the absence of a technological capability to harness new opportunities, that will generate income, jobs and revenue for government.

Programme Structure

The ICPS is a certified programme comprising 3 components:

i) Training Workshop
ii) Group Project
iii) Individual Project

Upon completion of training workshop and the group project, participants will be awarded an ICPS (Part I) certificate issued by ISTIC and UTM.

Within a period up to 6 months after the completion of the workshop, participants are required to submit their complete individual projects to UTM. Successful participants will be awarded an ICPS (Part II) certificate issued by UTM and ISTIC.

OBJECTIVE

The main objective of training programme is to provide the necessary knowledge and skills to participants in development and management of a national STI policy in support of social-economic transformation.

PROGRAMME CONTENT

Essentials of Science, Technology and Innovation Policy – The Policy Framework Approach

In 2013, ISTIC in collaboration with Commonwealth Partnership for Technology Management (CPTM), Academy of Sciences Malaysia (ASM) and Malaysian Industry - Government Group for High Technology (MIGHT) published a primer on STI Policy authored by Emeritus Professor Tan Sri Datuk Dr. Omar Abdul Rahman. This now forms the foundation of the STI Management programmes for ISTIC.

What Will Participants Get from This Programme?

Participants in this programme will be actively involved in:

- Learning key principles related to STI Policy and Management
- Getting to apply Best Practices in STI Management through Projects
- Acquiring key competencies in:
  - o STI Policy and Management
  - o Development of Policy Responses
  - o Applying Technology Management Best Practices in implementing policies
  - o Developing human capital agenda in delivering the STI policies
  - o Creating Support Systems for the National Innovation System
  - o Enhancing National Capacity in STI

EXPECTED OUTCOME

The outcomes of the training programme are:

i) All participants will gain the necessary knowledge and experience on how to formulate STI policy and management strategies for their countries.
ii) The establishment of networking among and between participants from the various countries in the Developing Countries.
iii) Participants trained from the workshop can provide training and leadership on STI Policy formulation to other participants from their own countries.

DURATION AND VENUE

The training programme will be held over 8 days in Kuala Lumpur, Malaysia from 17 to 24 August 2015.

PARTICIPANTS

About 40 participants from G77 member countries will participate in this training programme. 25 participants will be from developing countries, ISESCO member countries, IDB member countries and 15 participants will be from Malaysia. The combination of participants from developing countries, ISESCO member countries, IDB member countries and Malaysia will allow for exchange of knowledge, ideas and experiences as well as opportunities for networking and collaboration. **ISTIC will bear the local cost (accommodation, food and related transportation within Malaysia).**

Participants are required to seek travel grant from their organizations to pay their travel expenses to Kuala Lumpur, Malaysia. Limited travel grant from organizer is available for participants who are really in difficulties in getting travel grant from their organization which is to be based on merit and need on case by case consideration.

CRITERIA FOR PARTICIPANTS

The participants should possess the following criteria:

- Those who have Bachelor's Degree, Master or PhD in science or related to Policy are preferred.
- Have experience or have been involved in the development and implementation of STI policy in their home countries.
- Participants who perform management functions in the middle and upper level of a government organization are preferred.
- Participants must have good command of English, both in verbal and writing.
- Participants must be in good health.

RESOURCE PERSONS

Resource persons will include experts from industry, as well as other local experts from universities and research institutions.

MODES OF DELIVERY

The training programme will be delivered by using the combinations of the following methods:

- Series of lectures.
- Group discussions and presentations.
- Group activities will be focused on **food security**.
- Study visits to selected local institutions and companies.

GROUP PROJECT

In order to fully understand the application of the various evaluation frameworks introduced in this training programme, a specific topic is chosen for the Group Project. In previous training programmes, the Group Project has included green economy, the aerospace industry and the unmanned aerial vehicles (UAV) and herbal and wellness industry. FOR THE CURRENT PROGRAMME THE TOPIC FOR THE GROUP PROJECT IS FOOD SECURITY & SAFETY. The subject will be introduced by a number of speakers at the beginning of the programme.

Participants are advised to be knowledgeable about the topic with respect to his or her own country.

MEDIUM OF INSTRUCTION

The training workshop will be conducted in English.

CLOSING DATE OF APPLICATIONS

All applications should be submitted to the ISTIC secretariat office **before 19 June 2015**

APPLICATION AND ENQUIRIES

All applicants are required to complete the prescribed application form as attached in this brochure and submit the completed form to the following address:

Secretariat ICPS Training Programme
International Science, Technology and Innovation Centre
for South-South Cooperation under the Auspices of UNESCO (ISTIC)
c/o Academy of Sciences Malaysia
902- 4, Jalan Tun Ismail
50480 Kuala Lumpur
Malaysia

Tel: +603-2694 9898 ext 112 Fax: +603-2698 4549
Email: adzim@istic-unesco.org Website: http://www.istic-unesco.org
istic.unesco@gmail.com

ISTIC will inform the successful applicants to the training workshop **not later than 30 June 2015.** Applicants who do not receive word within this date are rendered unsuccessful.

Application form also can be downloaded from http://www.istic-unesco.org

TENTATIVE PROGRAMME

Sunday, 16 August 2015 Venue: Kuala Lumpur, Malaysia	
PROGRAMME BRIEFING	
7:50 p.m. – 8:10 p.m.	**Program Registration**
8:10 p.m. – 8:20 p.m.	**Welcome address by:** Dato' Dr. Samsudin Tugiman FASc, Director, ISTIC
8:20 p.m. – 8:50 p.m.	**Programme Briefing** Mr. Adznir Mokhtar, Coordinator, PAPC
8:50 p.m. – 9:30 p.m.	**Dinner and Social Networking**

DAY 1: Monday, 17 August 2015 Venue: Kuala Lumpur, Malaysia	
OPENING SESSION	
8:00 a.m. – 8:30 a.m.	**Programme Registration**
8:30 a.m. – 8:40 a.m.	**Opening Ceremony** • Welcome address by Academician Dato' Ir. (Dr.) Lee Yee Cheong FASc, Chairman of ISTIC Governing Board
8:40 a.m. – 8:50 a.m.	• Welcome address by Representative of Islamic Educational, Scientific and Cultural Organization (ISESCO)
8:50 a.m. – 9:00 a.m.	• Welcome address by Representative of Islamic Development Bank (IDB)
9:00 a.m. – 9:20 a.m.	• Official Opening by Dato' Sri Dr. Noorul Ainur Mohd. Nur, Secretary General, Ministry of Science and Technology and Innovation, Malaysia
9:20 a.m. – 9:30 a.m.	**Group Photo Session**
9:30 a.m. – 9:45 a.m.	Tea Break

DAY 1: Monday, 17 August 2015 Venue: Kuala Lumpur, Malaysia	
PROGRAMME SESSION	
9:45 a.m. – 10:45 a.m.	**The Role of Science, Technology and Innovation in National Development and Introduction of the Essentials of STI Policy – Programme Overview** Academician Tan Sri Datuk Dr. Omar Abdul Rahman Chairman PAPC / Senior Fellow ASM
10:50 a.m. – 11:50 a.m.	**Unravelling the Concept of Food Security** Dr. Wilfrid Legg Head of Policies and Environment Division, Food, Agriculture and Fisheries Directorate, OECD
11:55 am. – 12:55 p.m.	**Food Security – Creating Economic Value Add** Prof. Datin Paduka Dr. Fatimah Mohamed Arshad Director, Institute of Agricultural and Food Policy Studies, UPM
12:55 p.m. – 2:00 p.m.	Lunch
2:00 p.m. – 3:00 p.m.	**Food Security – Harnessing New and Emerging Technology** Academician Tan Sri Datuk Dr. Yusof Basiron Chief Executive Officer, Malaysian Palm Oil Council (MPOC)
3:05 p.m. – 4:05 p.m.	**Food Security – Supply Chain Management** Mr. Azizi Bin Meor Ngah Director, Halal Industry Development Corporation (HDC)
4:10 p.m. – 5:30 p.m.	**The ICPS Certification Process and Requirements by UTM and the Group Project for ICPS 2015 and Summary Discussion of Day 1** Coordinator: Prof. Zamri Mohamed, UTM and Mr. Adznir Mokhtar, PAPC
5:30 p.m. – 5:45 p.m.	Tea Break and End Day 1

DAY 2: Tuesday, 18 August 2015 Venue: Kuala Lumpur, Malaysia	
9:00 a.m. – 10:00 a.m.	**Food Security – Identifying the Focus Area** Tan Sri Datuk Dr. Omar Abdul Rahman, PAPC
10:00 a.m. – 10:15 a.m.	Tea Break
10: 15 a.m. – 11:15 a.m.	**Group Activity 1 and Group Feedback:** **Assessment based on STEPI Factor - List Issues / Challenges** Coordinator: Mr. Adznir Mokhtar, PAPC
11:15 a.m. – 12:15 p.m.	**Module 2:** **The Six Components of STI Policy and Responses** Tan Sri Datuk Dr. Omar Abdul Rahman, PAPC
12:15 a.m. – 1:15 p.m.	**Group Activity 2:** **The Six Components of STI Policy and Responses** Coordinator: Mr. Adznir Mokhtar, PAPC
1:15 p.m. – 2:15 p.m.	Lunch Break
2:15 p.m. – 2:45 p.m.	**Group Activity 2:** **Report Back (Submit Group Work to UTM)** Coordinator: Prof. Zamri Mohamed, UTM
2:45 p.m. – 3:45 p.m.	**Module 3:** **The Technology Management Best Practice (TMBP) Framework** Tan Sri Datuk Dr. Omar Abdul Rahman, PAPC
3:45 p.m. – 4.45 p.m.	**Group Activity 3:** **Applying the Technology Management Best Practice Framework** Coordinator: Mr. Adznir Mokhtar, PAPC
4.45 p.m. – 5.30 p.m.	**Group Activity 3:** **Report Back (Submit Group Work to UTM) and Summary Discussion of Day 2** Coordinator: Prof. Zamri Mohamed, UTM
5:30 p.m. – 5:45 p.m.	Tea Break and End Day 2

DAY 3: Wednesday, 19 August 2015 Venue: Kuala Lumpur, Malaysia	
9:00 a.m. – 10:00 a.m.	**Module 4:** **STI Human Capital Pyramid** Tan Sri Datuk Dr. Omar Abdul Rahman, PAPC
10:00 a.m. – 10:15 a.m.	Tea Break
10:15 a.m. – 11:15 a.m.	**Group Activity 4:** **Introduction to Holistic Human Capital Development Model** Coordinator: Mr. Adznir Mokhtar, PAPC
11.15 a.m. – 11.45 a.m.	**Group Activity 4:** **Report Back (Submit Group Work to UTM)** Coordinator: Prof. Zamri Mohamed, UTM
11:45 a.m. – 12.40 p.m.	**Module 5:** **Delivering Innovation, the Last Mile** Tan Sri Datuk Dr. Omar Abdul Rahman, PAPC
12:40 p.m. – 2:00 p.m.	Lunch Break
2:00 p.m. – 3:00 p.m.	**Group Activity 5:** **Bridging the Gap Between Invention, Prenovation and Innovation: Players and Activities** Coordinator: Mr. Adznir Mokhtar, PAPC
3:00 p.m. – 4:45 p.m.	**Group Activity 5:** **Report Back (Submit Group Work to UTM) and Summary Discussion of Day 3** Coordinator: Prof. Zamri Mohamed, UTM
4:45 p.m. – 5:00 p.m.	Tea Break and End Day 3

DAY 4: Thursday, 20 August 2015 Venue: Kuala Lumpur, Malaysia	
STUDY VISIT	
7:50 a.m. – 8:15 a.m.	Assemble at Hotel Lobby
8.15 a.m.	Depart from hotel to visit place
9:00 a.m. – 10:20 a.m.	**Managing the Fresh Produce Supply Chain** **Malaysian Agrifood Corporation Berhad (MFC)** Proposed Host: Malaysian Agrifood Corporation Berhad
11:00 a.m. – 12:20 p.m.	**An Integrated Food Supply System** **Ayamas** Proposed Host: QSR Trading Sdn. Bhd.
12:45 p.m. – 2:00 p.m.	Lunch Break
2:30 p.m. – 4:30 p.m.	**Partnering and Nurturing Entrepreneurs** **Mydin Mohamed Holding Bhd.** Proposed Host: Mydin Wholesale Hypermarket Subang Jaya
4:45 p.m.	Back to Hotel and End Day 4

DAY 5: Friday, 21 August 2015 Venue: Kuala Lumpur, Malaysia	
9:00 a.m. – 10:00 a.m.	**Module 6:** **Commercialisation in Action: Assessing Funds and Service Providers** Tan Sri Datuk Dr. Omar Abdul Rahman, PAPC
10:00 a.m. – 10:15 a.m.	Tea Break
10:15 a.m. – 11:15 a.m.	**Group Activity 6:** **Commercialisation in Action: Assessing Funds and Service Providers** Coordinator: Mr. Adznir Mokhtar, PAPC
11:15 a.m. – 12:00 p.m.	**Group Activity 6:** **Report Back (Submit Group Work to UTM)** Coordinator: Prof. Zamri Mohamed, UTM
12:00 p.m. – 2:45 p.m.	Lunch Break
2:45 p.m. – 3:45 p.m.	**Module 7:** **The Total National Capacity Concept** Tan Sri Datuk Dr. Omar Abdul Rahman, PAPC
3:45 p.m. – 4:45 p.m.	**Group Activity 7:** **Determining the National Capacity Readiness in STI using the Total National Capacity Framework** Coordinator: Mr. Adznir Mokhtar, PAPC
4:45 p.m. – 5:15 p.m.	**Group Activity 7:** **Report Back (Submit Group Work to UTM) and Summary Discussion of Day 5** Coordinator: Prof. Zamri Mohamed, UTM
5:15 p.m. – 5:30 p.m.	Tea Break and End Day 5

DAY 6: Saturday, 22 August 2015 Venue: Kuala Lumpur, Malaysia	
9:00 a.m. – 10:30 a.m.	**Group Project Preparation** Part 1 – The Six Components of STI Policy and Responses Part 2 – The TMBP Framework Part 3 – The STI Human Resource Pyramid Part 4 – The Support System for Innovation Part 5 – The Total National Capacity for STI Framework Coordinator: Mr. Adznir Mokhtar, PAPC
10:30 a.m. – 10:45 a.m.	Tea Break
10:45 a.m. – 12:45 p.m.	**Continue Group Project Preparation** Coordinator: Mr. Adznir Mokhtar, PAPC
12:45 p.m. – 2:00 p.m.	Lunch Break and End Day 6

DAY 7: Sunday, 23 August 2015 Venue: Kuala Lumpur, Malaysia	
9:00 a.m. – 10:30 a.m.	**Continue Group Project Preparation** Coordinator: Mr. Adznir Mokhtar, PAPC
10:30 a.m. – 10:45 a.m.	Tea Break
10:45 a.m. – 12:45 p.m.	**Continue Group Project Preparation** Coordinator: Mr. Adznir Mokhtar, PAPC
12:45 p.m. – 2:00 p.m.	Lunch Break
2:00 p.m. – 4.45 p.m.	**Continue Group Project Preparation** Coordinator: Mr. Adznir Mokhtar, PAPC
4:45 p.m. – 5:00 p.m.	Tea Break and End Day 7

DAY 8: Monday, 24 August 2015 Venue: Kuala Lumpur, Malaysia	
	Group Project Presentation Coordinator: Prof. Zamri Mohamed, UTM
9:00 a.m. – 9:45 a.m.	**Group 1**
9:45 a.m. – 10:30 a.m.	**Group 2**
10:30 a.m. – 10:45 a.m.	Tea Break
10.45 a.m. – 11.30 a.m	**Group 3**
11:30 a.m. – 12:15 a.m.	**Group 4**
12:15 p.m. – 1:00 p.m.	**Closing Ceremony** • Closing Address by Dato' Dr. Samsudin Tugiman FASC, Director of ISTIC • Presentation of Certificates • Group Photo Session
1:00 p.m. – 2:00 p.m.	Lunch and End Day 8

Module	About The Module
Introduction to Essentials of STI	Understanding science, technology and innovation (STI) policy and management and applying it in an effective and efficient manner is essential to all professionals involved in STI. In this module, participants will be introduced to the Five Templates for STI Policy and Management. It is a set of templates that have been developed to help professionals in this area to assess the readiness of organizations and programmes in delivering the anticipated objectives for the stakeholders. Among key elements within this module: ▪ Economic Growth and Technology ▪ Growth, Development and STI Management ▪ Policy and STI ▪ The Essentials of STI Policy
The Six Components of STI Policy and the Policy Responses	There are various ways of articulating an STI policy. It can be very academic and analytical in approached or concise and practical leading to a set of clear implementation strategies. However an STI policy which is an integral part, or supportive of a national socio-economic programme, then Policy Development for STI can be developed along these six components. They are: ▪ STI Development Responses ▪ STI for Policy and the appropriate Responses ▪ Policy for STI and the appropriate Responses ▪ STI and the Private Sector and the appropriate Responses ▪ STI and the Community and the appropriate Responses ▪ International Collaboration in STI and the appropriate Responses ▪ STI and Governance and the appropriate Responses Participants will utilise the above six components to develop policy responses in addressing issues related to areas for the policy formulation.
Technology Management Best Practice Framework	Technology Management (TM) as defined by CPTM in 1997 is "The mechanism, processes and infrastructure needed to foster, promote, manage and sustain the development of scientific knowledge and technological innovation and related skills and expertise for the attainment and sustainability of the overall national development objectives". Ten components that make up the Technology Management (TM) Framework as defined above, are identified as follows: ▪ Political Commitment ▪ Policy Integration ▪ STI Advisory System ▪ STI Policy Development Planning, Implementation, Coordination, Monitoring and Coordination ▪ Infrastructure for STI Development, Acquisition and Dissemination ▪ Funding & Management of R&D ▪ Mechanism for Commercialisation of Research and Technology ▪ Integrated Human Resource Development ▪ Mechanism for S&T Enculturisation ▪ Smart Partnership and Science Ethics Principles and Practices In this module, participants will utilise this framework to strengthen the delivery of the policy responses in the relevant areas.

The STI Human Resource Pyramid and the Holistic Human Capital Development Model	In order to move the STI agenda, a total complement of people is needed. This can be referred to as the STI human resource pyramid, comprising champions at the top, down to the practitioners and implementers at the base. The pyramid comprises: ▪ Champions ▪ Advisors ▪ Popularisers ▪ Planners ▪ Managers ▪ Educators ▪ Practitioners and Implementers The workforce for the innovation economy which is the key factor underpinning the five templates described earlier is the knowledge worker. Educating and training the knowledge worker so defined would require the holistic human capital (HHC) development approach which comprises six elements: ▪ Intellectual Capital ▪ Skills Capital ▪ Social capital ▪ Entrepreneurial capital ▪ Psychological capital ▪ Spiritual Capital In this module, the participants will look at the readiness of the nation for a given area by assessing the readiness of the human capital based on the HC Pyramid and examine the depth of the human capital with reference to the HHC framework.
Delivering Innovation, the Last Mile	In the innovation economy, capacity to innovate and utilize innovation is the determinant of competitiveness. Delivering innovation is therefore a major goal of an STI policy. Technological or product innovation begins as an invention which results from a systematic R&D or from a trial and error tinkering. It is only when the invention is commercialized or in any other ways fully utilized that it becomes an innovation. The main components of the innovation ecosystem at the interface between prenovation and innovation include: ▪ Finance ▪ Human Capital ▪ Institutions ▪ Laws and Regulations ▪ Business and Innovation Enablers ▪ Management Systems The participants will assess the state of readiness of the innovation ecosystem based on the above components with the focus on green technology.
The Total National Capacity in STI	When appropriate policy responses, checked against the 10 technology management best practice framework as well as the complete STI human resource are in place then a nation can be said to have a Total National Capacity (TNC) in STI. The TNC comprises: ▪ Committed Government ▪ Capable Scientific Community ▪ Innovative Private Sector ▪ Science Literate Society ▪ Efficient Governance System Participants will be involved in determining the total national capacity of a country

THE TRAINING PROGRAMME IS JOINTLY ORGANIZED BY THE FOLLOWING ORGANIZATIONS:

Organizer

- International Science, Technology and Innovation Centre for South-South Cooperation under the Auspices of UNESCO

In collaboration with

- Ministry of Science, Technology and Innovation (MOSTI)
- United Nations Education, Science and Cultural Organization (UNESCO)
- Islamic Educational Scientific and Cultural Organization (ISESCO)
- Islamic Development Bank (IDB)
- Perdana School of STI Policy, Univerisiti Teknologi Malaysia (UTM)

Programme Coordinator

- PRIMA Asia Pacific Consulting (PAPC)

INTERNATIONAL SCIENCE, TECHNOLOGY AND INNOVATION CENTRE (ISTIC)

The creation of the International Science, Technology and Innovation, Centre for South-South Cooperation under the auspices of UNESCO (ISTIC) is a follow up of the Doha Plan of Action which has been adopted by the head of States and Government of the Group of 77 and China, during the meeting in Doha, Qatar, from 12-16 June 2005 on the occasion of the Second South Summit of the Group of 77. The Summit urged UNESCO to develop and implement a programme for South-South cooperation in science and technology with the objective of facilitating the integration of a developmental approach into national science and technology and innovation policies, capacity building in science and technology through providing policy advice and exchange of experience and best practices, and creating a problem solving network of centres of excellence in developing countries as well as supporting the exchange of students, researchers, scientists and technologists among developing countries. ISTIC will act as an international platform for South-South cooperation in science, technology and innovation and make use of the network of the G77 plus China and the Organization of the Islamic Conference (OIC). The overall goal of ISTIC is to increase the capacity for management of science, technology and innovation throughout developing countries. ISTIC Secretariat is hosted by the Academy of Sciences Malaysia (ASM) for five years before making ISTIC an autonomous organization. Details on ISTIC is available at www.istic-unesco.org

United Nations
Educational, Scientific and
Cultural Organization

UNITED NATIONS EDUCATION, SCIENCE AND CULTURAL ORGANIZATION (UNESCO)

UNESCO was founded on 16 November 1945. UNESCO functions as a laboratory of ideas and a standard-setter to forge universal agreements on emerging ethical issues. The Organization also serves as a clearinghouse – for the dissemination and sharing of information and knowledge – while helping Member States to build their human and institutional capacities in diverse fields. In short, UNESCO promotes international co-operation among its 193 Member States and six Associate Members in the fields of education, science, culture and communication. UNESCO is working to create the conditions for genuine dialogue based upon respect for shared values and the dignity of each civilization and culture. This role is critical, particularly in the face of terrorism, which constitutes an attack against humanity. The world urgently requires global visions of sustainable development based upon observance of human rights, mutual respect and the alleviation of poverty, all of which lie at the heart of UNESCO's mission and activities. Details on UNESCO is available at www.unesco.org

MINISTRY OF SCIENCE, TECHNOLOGY AND INNOVATION (MOSTI)

The Ministry of Science, Technology and Innovation (MOSTI) was formed after the restructuring of the former Ministry of Science, Technology and Environment (MOSTE) in 2004. MOSTI's main role include harnessing Science, Technology and Innovation (STI) and human capital to value-add the agricultural and industrial sectors and to develop the new economy, particularly through information and communications technology (ICT), and biotechnology. With the introduction of National Innovation Model in 2007, MOSTI's main goal is in transforming Malaysia from the knowledge - based economy, pivoting Science & Technology to Innovation and produces the wealth creation and societal well being. Malaysia's Innovation Model can best be described as a balanced approach between technology driven innovation and market driven innovation. In a technology driven innovation model, scientists are funded for R&D, and technology will be developed organically thus eventually commercializing their ideas for the global market. Whilst in a market-driven innovation model, the market is determined before hand by knowledge entrepreneurs who will acquire the best science and technology. This will provide rapid commercialization to meet the needs of the market. The Government continues to drive organic technology development from science, with a focus on raising the yield of taking science to technology; in particular by encouraging merit-based allocation of funding among public research institutions for S&T research; Priorities on basic research to be set based on national technology needs and the need to maintain national technology security. Details on MOSTI is available at www.mosti.gov.my

ISLAMIC EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION (ISESCO)

ISESCO is a specialized institution under the umbrella of the Organization of Islamic Cooperation (OIC), which was set up following its Founding Conference held in Fez, Kingdom of Morocco on 3-5 May 1982. The objectives of ISESCO include strengthening cooperation among Member States in the fields of education, science, culture and communication, and promoting applied sciences and advanced technologies within the framework of the lofty and perennial Islamic values and ideals. Since its inception, ISESCO has been witnessing steady progress in discharging its civilizational mission and the duties developed upon it and in meeting its targets. At the level of prospective and strategic planning, sixteen major Strategies and their effective Implementation Mechanisms were laid down and 3 Medium-Terms Action Plans and 11 Three-Years Action Plans have been implemented. Various international, regional, and national activities have been planned and organized in cooperation with more than 200 specialized renowned institutions such as UN agencies, regional institutions and NGOs and prestigious national universities and research centres. ISESCO has lent support to young scientists and researchers in the Member States through its subsidiary institutes and centres of excellence like ISESCO Centre for Promotion of Scientific Research (ICPSR) and Islamic World Science Citation Centre (ISC), etc. The Headquarters of ISESCO is based in Rabat, the capital of the Kingdom of Morocco. Details on ISESCO is available at www.isesco.org.ma

ISLAMIC DEVELOPMENT BANK (IDB)

The Islamic Development Bank is an international financial institution established in pursuance of the Declaration of Intent issued by the Conference of Finance Ministers of Muslim Countries held in Jeddah in Dhul Q'adah 1393H, corresponding to December 1973. The Inaugural Meeting of the Board of Governors took place in Rajab 1395H, corresponding to July 1975, and the Bank was formally opened on 15 Shawwal 1395H corresponding to 20 October 1975.

The purpose of the Bank is to foster the economic development and social progress of member countries and Muslim communities individually as well as jointly in accordance with the principles of Shari'ah i.e., Islamic Law.The functions of the Bank are to participate in equity capital and grant loans for productive projects and enterprises besides providing financial assistance to member countries in other forms for economic and social development.

The Bank is also required to establish and operate special funds for specific purposes including a fund for assistance to Muslim communities in non-member countries, in addition to setting up trust funds. The Bank is authorized to accept deposits and to mobilize financial resources through Shari'ah compatible modes. It is also charged with the responsibility of assisting in the promotion of foreign trade especially in capital goods, among member countries; providing technical assistance to member countries; and extending training facilities for personnel engaged in development activities in Muslim countries to conform to the Shari'ah. Details on IDB is available at www.isdb.org

PERDANA SCHOOL OF STI POLICY (UTM)

The Perdana School of Science, Technology and Innovation Policy (UTM Perdana School) was officially established in June 3, 2010. The official approval by the Ministry of Higher Education is simply an acknowledgement of an interesting historical background of the UTM Perdana School that has its humble beginning with the birth of the Technology Policy Research Centre in 1995.

The UTM Perdana School, aspires to train the next generation of policy leaders for a very challenging and fast-paced life in a global age. The school, with multi-disciplinary experts from the academia, as well as the industry, national and international, offers three competitive, current and relevant programs that contribute to sustainable and innovative policy related activities. Details on UTM Perdana School is available at www.perdanaschool.utm.my

APPLICATION FORM (Typewritten or blocked letters)

FOR OFFICIAL USE ONLY **Reference No:** **Received:** **Checked:**	Please affix latest passport photograph

Title of Programme: **ISTIC Certified Training Programme on Science, Technology and Innovation (STI) Policy and Management for Developing Countries**	**Date, duration & venue of course:** **17 – 24 August 2015** **Kuala Lumpur, Malaysia**

NOTE: Link for Online Application: http://goo.gl/forms/m3tFYBq0O4

1. PERSONAL PARTICULARS:

Family name (surname):	**Date of Birth: (Date/Month/Year)**
First name:	**Nationality: (Citizenship)**
Other given names:	**Gender: (Male/ Female)**
City and country of birth:	**Marital status: (Single/ Married)**
Passport No:	**Designation : Prof. / Dr / Mr / Mrs / Ms**

2. COMMUNICATION AND MAILING ADDRESS:

Applicant's Office Address:	**Office Phone No:**	
	Office Fax No:	
Email address:		
Mobile No:		
Person to be contacted in case of emergency (name, telephone and address):		

3. EDUCATION:

Name of institution and place of study	Major field of study:	Years of study	Degree

4. EMPLOYMENT RECORD:

A. Current Post:			**B. Previous Post:**		
Employer:			**Employer:**		
Duration of service:	**From**	**To**	**Duration of service:**	**From**	**To**
Title of post:			**Title of post:**		
Current monthly salary(US dollars):			**Monthly salary (US dollars):**		
Name of supervisor and title:			**Name of supervisor and title:**		
Type of organization: Government/Semi-Government/ Private/ NGO			**Type of organization: Government/Semi-Government/ Private/ NGO**		
Main functions of organization:			**Main functions of organization:**		
Total number of employees in organization:			**Total number of employees in organization:**		
Description of your current work including your responsibilities:					
Please use supplementary pages if necessary					

5. REASONS FOR APPLYING THIS PROGRAM:

Please briefly state the reasons for applying this program and how you hope to benefit from this program	
Have you participated in any ISTIC training programs before: YES/ NO **If yes;**	
Name of program	**Date**

6. CERTIFICATION OF ENGLISH LANGUAGE PROFICIENCY:

	Excellent	**Good**	**Fair**	**Remarks**
Listening				
Speaking				
Writing				
Reading				
Mother tongue:				

7. DECLARATION:

Have you ever been convicted by a Court of Law of any country? Yes/ No
If yes, please give brief details:

I certify that my statements in answer to the foregoing questions are true, complete and correct to the best of my knowledge and belief.
If accepted to the training workshop, I undertake to:

i) carry out such instructions and abide by such conditions as may be stipulated by both the nominating government and the host government in respect of this course of training;
ii) follow the course of study or training, and abide by the rules of the institution in which I undertake to study or train;
iii) refrain from engaging in political activities, or any form of employment for profit or gain;
iv) submit any progress reports which may be prescribed; and
v) return to my home country promptly upon the completion of my course of studies or training.

I fully understand that if I am granted an award it maybe subsequently withdrawn if I fail to make adequate progress or for other sufficient cause determined by the host Government.

Signature of Application : _____
Name : _____
Date : _____

8. OFFICIAL DECLARATION (to be completed by the Head of Department):

The Government / Organisation of
……
nominates
……
(name of applicant)
For the program under the International Science, Technology and Innovation Centre for South-South Cooperation (ISTIC) and certifies that:

i) all information supplied by the nominee is complete and correct;
ii) the nominee had adequate knowledge and was appropriately tested for English Language proficiency.

Remarks:
……

_____ _____
(Name) **(Signature of responsible Head of Department)**

_____ **Address of Department/ Ministry**
(Designation)
Official seal/ stamp _____

_____
Office telephone no:
Office fax no:
Date: **Email address:**

Note: INCOMPLETE AND/OR UNENDORSED FORMS WILL NOT BE PROCESSED