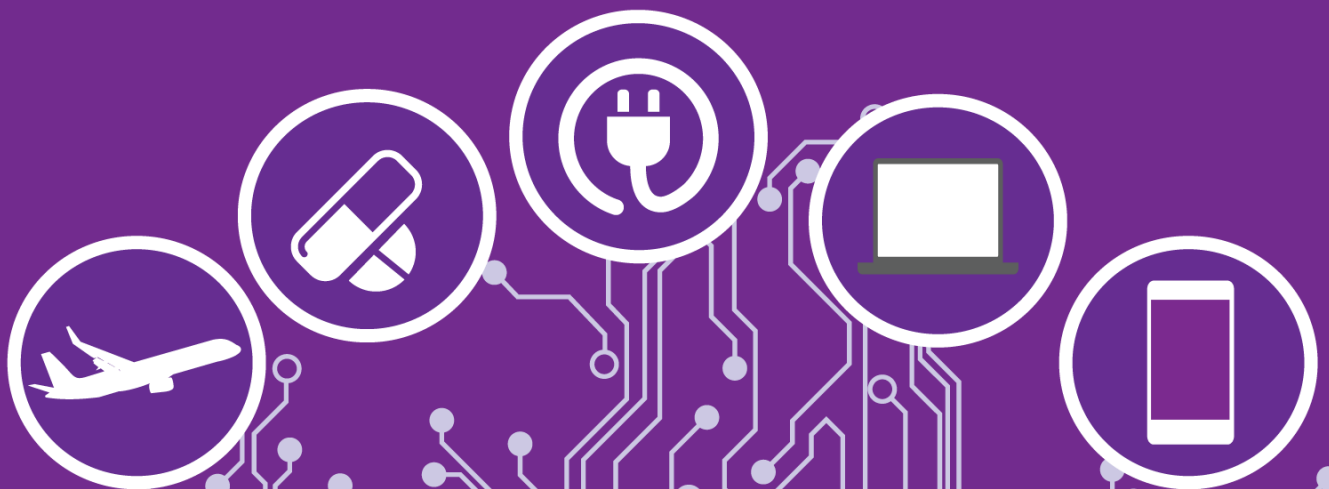




# ISTIC Training Programme on STI Policy and Management for Developing Countries (ITPS)

8 – 12 August 2016  
Kuala Lumpur | Malaysia



## *Organizer*

- 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)
- Centre for Science & Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre)
- United Nations Education, Science and Cultural Organization (UNESCO)
- Islamic Educational Scientific and Cultural Organization (ISESCO)

## *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 Centre for Science & Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre) and Islamic Educational Scientific and Cultural Organization (ISESCO), 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 ITPS is a five-day training programme comprising:

- i) Group Activities and
- ii) A Group Project

Upon completion of training workshop and the group project, participants will be awarded an ITPS certificate issued by ISTIC and NAM S&T Centre.

## OBJECTIVE

The main objective of training programme is to provide the necessary knowledge and skills to participants in the 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 Academician Tan Sri Datuk Dr. Omar Abdul Rahman. This now forms the foundation of the STI Policy and 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

## 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, among the Group Project themes were: green economy, the aerospace industry and the unmanned aerial vehicles (UAV), herbal and wellness industry; and food security and safety.

The group project for this programme is “increasing high technology export (HTE) in developing countries”. High-technology exports are products with high R&D intensity, such as in aerospace, computers, pharmaceuticals, scientific instruments, and electrical machinery. HTE is an important indicator of the economic status of a country.

To facilitate the preparation for the Group Project, participants are encouraged to explore the subject of HTE and to submit a country report on HTE status in his or her country.

## 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.

## PARTICIPANTS

About 40 participants from developing countries, NAM S&T Centre member countries, ISESCO member countries and Malaysia are expected to participate in this programme. The combination of participants from developing countries, NAM S&T Centre member countries, ISESCO member countries and Malaysia will allow for exchange of knowledge, ideas and experiences as well as opportunities for networking and collaboration. **The organizer 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 from NAM S&T Centre member countries and ISESCO member countries 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.

## DURATION AND VENUE

The training programme will be held over 5 days in Kuala Lumpur, Malaysia from 8 to 12 August 2016.

## 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.
- Study visit to selected local organisation(s).

## MEDIUM OF INSTRUCTION

The training workshop will be conducted in English.

## APPLICATIONS

- a) Applicants are urged to use online application. The link of online application form can be accessed from the website [www.istic-unesco.org](http://www.istic-unesco.org) and [www.namstct.org](http://www.namstct.org)

International Participants online application form [google forms]

Link: <http://goo.gl/forms/lfmp87eZaB>

- b) Applicants also can apply using application form as attached in this brochure and submit the completed form to the following address:  
[adzim@istic-unesco.org](mailto:adzim@istic-unesco.org) & [namstcentre@gmail.com](mailto:namstcentre@gmail.com)

## CLOSING DATE OF APPLICATIONS

All applications should be submitted to the ISTIC secretariat office **before 31 May 2016**

ISTIC and/or NAM S&T Centre will inform the successful applicants to the training workshop **not later than 30 June 2016**. Applicants who do not receive word within this date are rendered unsuccessful.

## SECRETARIAT & ENQUIRIES

Secretariat ITPS 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](mailto:adzim@istic-unesco.org)      Website: <http://www.istic-unesco.org>

Centre for Science and Technology of the Non-Aligned  
and Other Developing Countries (NAM S&T Centre)  
Core 6A, 2nd Floor, India Habitat Centre  
Lodi Road, New Delhi - 110003  
India

Tel: +91-11-24645134 / 24644974      Fax: +91-11-24644973  
Email: [namstcentre@gmail.com](mailto:namstcentre@gmail.com)      Website: [www.namstct.org](http://www.namstct.org)

# PROGRAMME

Sunday, 8 August 2016  
Venue: Kuala Lumpur, Malaysia

## PROGRAMME BRIEFING

7:50 p.m. – 8:10 p.m.	<b>Program Registration</b>
8:10 p.m. – 8:20 p.m.	<b>Welcome address by:</b> Dato' Dr. Samsudin Tugiman FASc, Director, ISTIC
8:20 p.m. – 8:50 p.m.	<b>Programme Briefing</b> Mr. Adznir Mokhtar, Coordinator, PAPC
8:50 p.m. – 9:30 p.m.	<b>Dinner and Social Networking</b>

DAY 1: Monday, 9 August 2016  
Venue: Kuala Lumpur, Malaysia

## OPENING SESSION

8:00 a.m. – 8:30 a.m.	<b>Programme Registration</b>
8:30 a.m. – 8:40 a.m.	<b>Opening Ceremony</b> <ul style="list-style-type: none"><li>• Welcome address by Academician Dato' Ir. (Dr.) Lee Yee Cheong FASc, Chairman of ISTIC Governing Board</li></ul>
8:40 a.m. – 8:50 a.m.	<ul style="list-style-type: none"><li>• Welcome address by Prof. Dr. Arun P. Kulshreshtha, Director General, Centre for Science and Technology of the Non-Aligned and Other Developing Countries (NAM S&amp;T Centre)</li></ul>
8:50 a.m. – 9:00 a.m.	<ul style="list-style-type: none"><li>• Welcome address by representative of ISESCO</li></ul>
9:00 a.m. – 9:30 a.m.	Official Opening by YB Datuk Seri Panglima Madius Tangau Minister, Ministry of Science and Technology and Innovation, Malaysia
9:30 a.m. – 9:40 a.m.	<b>Group Photo Session</b>
9:40 a.m. – 10:00 a.m.	Tea Break

**DAY 1: Monday, 8 August 2016**  
**Venue: Kuala Lumpur, Malaysia**

**PROGRAMME SESSION**

10:00 a.m. – 10:45 a.m.	<b>The Introduction to the Essentials of STI Policy</b> Academician Tan Sri Datuk Dr. Omar Abdul Rahman
10:45 a.m. – 11:30 a.m.	<b>Overview and outline of the ITPS Training Programme</b> Coordinator: Mr. Adznir Mokhtar, PAPC
11:30 a.m. – 12:30 p.m.	<b>Overview of High Technology Export in Developing Countries</b> Speaker from MiGHT
12:30 p.m. – 2:00 p.m.	Lunch
2:00 p.m. – 3:00 p.m.	<b>Presentation Template 1 and 2 – The Six Components of STI Policy and the Responses</b> <ul style="list-style-type: none"><li>- STI for Policy</li><li>- Policy for STI</li><li>- STI and the Private Sector</li><li>- STI and the Community</li><li>- International Collaboration in STI</li><li>- STI and Governance</li></ul> Academician Tan Sri Datuk Dr. Omar Abdul Rahman
3:00 p.m. – 4:00 p.m.	<b>Group Activity 1 Template 1 and 2 – The Six Components of ESP</b> <ul style="list-style-type: none"><li>- STI for Policy</li><li>- Policy for STI</li><li>- STI and the Private Sector</li><li>- STI and the Community</li><li>- International Collaboration in STI</li><li>- STI and Governance</li></ul> Coordinator: Mr. Adznir Mokhtar
4:00 p.m. – 5:30 p.m.	<b>Each table to report activities – 15 minutes per group</b> Coordinator: Mr. Adznir Mokhtar
5:30 p.m. – 5:45 p.m.	Tea Break and End Day 1
Evening	Group Projects Discussion and Preparation



**DAY 2: Tuesday, 9 August 2016**  
**Venue: Kuala Lumpur, Malaysia**

8:30 a.m. – 9:00 a.m.	<b>Recap – The Six Components of STI Policy</b> Academician Tan Sri Datuk Dr. Omar Abdul Rahman
9:00 a.m. – 10:00 a.m.	<b>a. Introducing the 10 Components of The Technology Management Best Practice (TMBP)</b> <b>b. The Malaysian TMBP – An Example</b> Academician Tan Sri Datuk Dr. Omar Abdul Rahman
10:00 a.m. – 10:15 a.m.	Tea Break
10:15 a.m. – 11:15 a.m.	<b>Group Activity 2 - The 10 Components of The Technology Management Best Practice (TMBP)</b> Coordinator: Mr. Adznir Mokhtar
11:15 a.m. – 12:15 p.m.	<b>Each table to report activities – 15 minutes per group</b> Coordinator: Mr. Adznir Mokhtar
12:15 p.m. – 2:00 p.m.	Lunch Break
2:00 p.m. – 3:00 p.m.	<b>Introduction to the STI Human Capital Pyramid</b> Academician Tan Sri Datuk Dr. Omar Abdul Rahman
3:00 p.m. – 4:00 p.m.	<b>Group Activity 3 - The STI Human Capital Pyramid. Applying the Human Capital Pyramid onto Selected Sectors.</b> Coordinator: Mr. Adznir Mokhtar
4:00 p.m. – 5:00 p.m.	<b>Each table to report activities – 15 minutes per group</b> Coordinator: Mr. Adznir Mokhtar
5:00 p.m. – 5:30 p.m.	<b>Q&amp;A Session</b>
5:30 p.m. – 5:45 p.m.	Tea Break and End Day 2
Evening	Group Projects Discussion and Preparation

**DAY 3: Wednesday, 10 August 2016**  
**Venue: Kuala Lumpur, Malaysia**

8:30 a.m. – 9:00 a.m.	<b>The Holistic Human Capital Development Model</b> Academician Tan Sri Datuk Dr. Omar Abdul Rahman
9:00 a.m. – 9:45 a.m.	<b>Introducing Innovation and the National Innovation System</b> Academician Tan Sri Datuk Dr. Omar Abdul Rahman
9:45 a.m. – 10:00 a.m.	Tea Break
10:00 a.m. – 11:00 a.m.	<b>Group Activity 4 - Introducing Innovation and the National Innovation System</b> Coordinator: Mr. Adznir Mokhtar
11:00 a.m. – 12:00 a.m.	<b>Each table to report activities – 15 minutes per group</b> Coordinator: Mr. Adznir Mokhtar
12:00 p.m. – 1:30 p.m.	Lunch Break
<b>STUDY VISIT TECHNOLOGY PARK MALAYSIA</b>	
1:30 p.m.	Assemble at Hotel Lobby
1:40 p.m.	Depart from hotel to Technology Park Malaysia
2:30 p.m.	Visit to Technology Park Malaysia
5:00 p.m.	Return to hotel
6:00 p.m.	End Day 3
Evening	Group Projects Discussion and Preparation

**DAY 4: Thursday, 11 August 2016**  
**Venue: Kuala Lumpur, Malaysia**

8:30 a.m. – 9:30 a.m.	<b>From Introduction to the Total National Capacity in STI</b> Academician Tan Sri Datuk Dr. Omar Abdul Rahman
9:30 a.m. – 10:30 a.m.	<b>Group Activity 5 - Determining National Readiness</b> Coordinator: Mr. Adznir Mokhtar
10:30 a.m. – 10:45 a.m.	Tea Break
10:45 a.m. – 11:45 a.m.	<b>Each table to report activities – 15 minutes per group</b> Coordinator: Mr. Adznir Mokhtar
11:45 a.m. – 12:30 p.m.	<b>Final Preparation of Group Project</b>
12:30 p.m. – 2:00 p.m.	Lunch Break
2:00 p.m. – 5:30 p.m.	<b>Continue Final Preparation of Group Project</b>
5:30 p.m. – 5:45 p.m.	Tea Break and End Day 4
Evening	Continue Group Projects Discussion and Preparation

**DAY 5: Friday, 12 August 2016**  
**Venue: Kuala Lumpur, Malaysia**

9:00 a.m. – 9:40 a.m.	<b>Group 1 Presentation and Q&amp;A</b>
9:40 a.m. – 10:20 a.m.	<b>Group 2 Presentation and Q&amp;A</b>
10:20 a.m. – 10:40 a.m.	Tea Break
10:40 a.m. – 11:20 a.m.	<b>Group 3 Presentation and Q&amp;A</b>
11:20 a.m. – 12:00 p.m.	<b>Group 2 Presentation and Q&amp;A</b>
12:00 p.m. – 2:30 p.m.	Lunch Break
2:30 p.m. – 4:00 p.m.	<b>Closing Ceremony</b> <ul style="list-style-type: none"><li>• Closing Address by Dato' Dr. Samsudin Tugiman FASC, Director of ISTIC</li><li>• Presentation of Certificates</li><li>• Group Photo Session</li></ul>
4:00 p.m. – 4:30 p.m.	Tea Break and End Programme

Module	About The Module
<b>Introduction to Essentials of STI</b>	<p>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:</p> <ul style="list-style-type: none"> <li>▪ Economic Growth and Technology</li> <li>▪ Growth, Development and STI Management</li> <li>▪ Policy and STI</li> <li>▪ The Essentials of STI Policy</li> </ul>
<b>The Six Components of STI Policy and the Policy Responses</b>	<p>There are various ways of articulating an STI policy. It can be very academic and analytical in approach 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:</p> <ul style="list-style-type: none"> <li>▪ STI Development Responses</li> <li>▪ STI for Policy and the appropriate Responses</li> <li>▪ Policy for STI and the appropriate Responses</li> <li>▪ STI and the Private Sector and the appropriate Responses</li> <li>▪ STI and the Community and the appropriate Responses</li> <li>▪ International Collaboration in STI and the appropriate Responses</li> <li>▪ STI and Governance and the appropriate Responses</li> </ul> <p>Participants will utilise the above six components to develop policy responses in addressing issues related to areas for the policy formulation.</p>
<b>Technology Management Best Practice Framework</b>	<p>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:</p> <ul style="list-style-type: none"> <li>▪ Political Commitment</li> <li>▪ Policy Integration</li> <li>▪ STI Advisory System</li> <li>▪ STI Policy Development Planning, Implementation, Coordination, Monitoring and Coordination</li> <li>▪ Infrastructure for STI Development, Acquisition and Dissemination</li> <li>▪ Funding &amp; Management of R&amp;D</li> <li>▪ Mechanism for Commercialisation of Research and Technology</li> <li>▪ Integrated Human Resource Development</li> <li>▪ Mechanism for S&amp;T Enculturation</li> <li>▪ Smart Partnership and Science Ethics Principles and Practices</li> </ul> <p>In this module, participants will utilise this framework to strengthen the delivery of the policy responses in the relevant areas.</p>



**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 (ISTIC)

### In collaboration with

- Ministry of Science, Technology and Innovation (MOSTI)
- Centre for Science & Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre)
- United Nations Education, Science and Cultural Organization (UNESCO)
- Islamic Educational Scientific and Cultural Organization (ISESCO)

### Programme Coordinator

- PRIMA Asia Pacific Consulting (PAPC)



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](http://www.istic-unesco.org)



**CENTRE FOR SCIENCE  
AND TECHNOLOGY OF  
THE NON-ALIGNED AND  
OTHER DEVELOPING  
COUNTRIES  
(NAM S&T CENTRE)**

The Centre for Science and Technology of the Non-aligned and Other Developing Countries (NAM S&T Centre) has been established as an inter-governmental organisation in pursuance of the deliberation of the 5<sup>th</sup>, 6<sup>th</sup> and 7<sup>th</sup> Conferences of the Heads of State or Government of the NAM Countries, respectively held in Colombo in 1976, Havana in 1979 and New Delhi in 1983, and after the adoption of the Statute of the Centre by consensus by the Meeting of the Plenipotentiaries of the Non-aligned Countries in New York in February 1985. The Statute of the Centre was again opened for signature at the NAM Ministerial meeting in Pyongyang in 1987. Upon signature of 31 countries and their accession to the Statute, the Centre came into being in August 1989. The Secretariat of the Centre is centrally located at New Delhi, India in its own premises at the India Habitat Center, for the purchase of which a grant was given by the Government of India. Details on NAM S&T Centre is available at <http://www.namstct.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](http://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](http://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](http://www.isesco.org.ma)

**APPLICATION FORM (Typewritten or blocked letters)**

FOR OFFICIAL USE ONLY  Reference No: Received: Checked:	Please affix latest passport photograph
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Title of Programme:  <b>ISTIC Training Programme on STI Policy and Management for Developing Countries (ITPS)</b>	Date, duration & venue of course:  <b>8 – 12 August 2016 Kuala Lumpur, Malaysia</b>
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**NOTE: Link for Online Application: <http://goo.gl/forms/lfmp87eZaB>**

**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)

\_\_\_\_\_  
(Designation) Address of Department/ Ministry

Official seal/ stamp \_\_\_\_\_

Office telephone no:

Office fax no:

Date: Email address:

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

