



**ISTIC**  
INTERNATIONAL SCIENCE, TECHNOLOGY AND  
INNOVATION CENTRE FOR SOUTH-SOUTH  
COOPERATION UNDER THE AUSPICES OF UNESCO

**INTERNATIONAL TRAINING PROGRAMME  
ON  
STI POLICY: ROLES OF SCIENCE,  
TECHNOLOGY AND INNOVATION FOR  
EXCELLENCE IN COMMERCIALIZATION  
IN EMERGING ECONOMIES**

**12-14 SEPTEMBER, 2024  
KUALA LUMPUR, MALAYSIA**

**ORGANIZED BY:**

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

**IN PARTNERSHIP WITH**

**INTERNATIONAL SCIENCE, TECHNOLOGY AND INNOVATION  
CENTRE FOR SOUTH-SOUTH COOPERATION UNDER THE AUSPICES  
OF UNESCO (ISTIC), KUALA LUMPUR, MALAYSIA**

## INTRODUCTION

The success stories of developed nations underscore the pivotal roles of Science, Technology, and Innovation (STI) coupled with effective policies in fostering socio-economic growth. While the transformative potential of STI is widely acknowledged, the critical function of policy in guiding and shaping its impact cannot be overstated. Over the past decades, countries in the Global South have recognized STI as a critical contributor for national economic transformation, necessitating a strategic integration of STI in their policymaking agendas.

In the contemporary global economy, Science, Technology, and Innovation (STI) serve as crucial catalysts for economic growth, competitiveness and societal advancement. Emerging economies, with their dynamic markets and developmental ambitions, are poised to benefit immensely from effective STI policies. These economies stand at a critical juncture where the strategic implementation of STI can propel them towards sustainable and inclusive growth, fostering global economic integration and prosperity.

Acknowledging the crucial roles of STI and policy in technological innovation, commercialization and significant socio-economic development, there is a need to enhance the knowledge of STI policy among the public, private sector and policymakers, particularly in developing countries.

In view of the above, the Centre for Science & Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre) in partnership with the International Science, Technology and Innovation Centre for South-South Cooperation under the auspices of UNESCO (ISTIC), announces the organization of an International Training Programme on **“STI Policy: Roles of STI for Excellence in Commercialization in Emerging Economies”** during **12-14 September, 2024** in **Kuala Lumpur, Malaysia**.

The International Training Programme on STI Policy is designed to address the pressing need for capacity building in STI policy formulation and implementation, with a special focus on commercialization. This program aims to equip policymakers, researchers, industry leaders and key stakeholders from emerging economies with the essential knowledge and practical tools to create an environment that nurtures scientific and technological innovation, leading to successful commercialization.

Participants will delve into the principles and frameworks of effective STI policies, explore best practices and global case studies, and engage in rich knowledge exchange and networking. The program will emphasize on developing practical skills for policy implementation and crafting strategies to bridge the gap between research and market readiness. By focusing on these areas, the training aims to empower participants and stakeholders to transform scientific advancements into commercially viable products and services, thereby driving economic growth and development. Despite the recognized importance of STI policies, the policymaking process is far from linear or automatic. Developing countries face significant knowledge gaps in formulating comprehensive and implementable STI policies. Many lack such policies altogether, while those with existing policies struggle with implementation due to inadequate consideration of local industry needs and economic conditions, compounded by a lack of trained personnel proficient in STI policy development and management.

## **OBJECTIVES**

The objectives of the Training Programme would be to:

- Impart the knowledge on the concept of Policy, STI for Policy and Policy for STI.
- Enhance the understanding of policymakers, public and private stakeholders about the integral role of STI Policy in socio-technological and economic development.
- Provide insights into strategic STI Policy design, formulation and development processes, emphasizing the roles of STI for accelerating commercialization.
- Facilitate capacity building for effective STI Policy implementation and management, aligning policies with the challenges of a globalizing society.
- Foster a global network of professionals committed to advancing STI policies for excellence in commercialization.

## **EXPECTED OUTCOMES**

Ability to:

- Correct the misconceptions of policy and a strengthened understanding of the nexus between STI Policy, economic growth and socio-economic development.
- Enhanced capacity among participants for the strategic design, formulation and implementation of locally relevant STI policies.
- Establishment of a collaborative global network for knowledge exchange and partnerships.
- Catalyzing the development and implementation of impactful STI policies in emerging economies.

## **SKILLS**

- Research skills
- Policy research skills
- Data analysis
- Critical thinking
- Team work
- Presentation and communication
- Leadership

**DURATION OF PROGRAMME** 3 days

## **MODE OF DELIVERY**

The Training Programme will be delivered through:

- Formal lectures
- Presentations/group presentations
- Game-based learning
- Group activities, FAQs

- Hands on exercise and discussions
- Inter-group discussions, findings and video presentations
- Summary and key takeaways

## **PARTICIPANTS**

The Training Programme is suitable for those who are interested in building their future and professional career in Policy. The course is specifically suitable for those who want to know about the methodology, process, steps and models of policymaking process and how STI Policy could be utilized for socio-economic development. Any academic background or level of experience is welcome. The programme also invites senior policymakers and top management personnel to join in as part of refreshing exercise and exchange of ideas and experiences.

**English will be the official language of the programme.**

## **CERTIFICATE**

Upon completion of the Training Programme, participants will be awarded with certificate of attendance issued by the ISTIC and NAM S&T Centre.

## **PROGRAMME CONTENT**

<b>Items</b>	<b>Details</b>
Title	STI Policy: Roles of STI for Excellence in Commercialization in Emerging Economies
Duration	3 days
Max. No	30 pax (Max)
Target Group	Those who are interested to develop/build a professional career in the field of STI Policy
Academic Background	Atleast a basic degree
Working Experience	Atleast 3 years working experience in areas related to STI Policy and Policy Management
Method	Physical
Approach	40% lectures, 60% hands-on training
Activity	Individual Work
	Group Work
	Group Presentations
Output	Final Presentation, Write-Up
Outcomes	Knowledge & Skills, Certificate of Attendance

## ABOUT THE ORGANISERS

### NAM S&T CENTRE

The Centre for Science and Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre; [www.namstct.org](http://www.namstct.org)) is an Inter-Governmental Organization with a Membership of 47 countries spread over Asia, Africa, the Middle East and Latin America. The Centre was set-up in 1989 in New Delhi, India, based on decisions taken during various NAM Summits and mandated to undertake a variety of programmes, including organization of International Workshops, Training Programmes, Conferences and Roundtables and implementation of collaborative S&T projects. It also offers short-term research fellowships to scientists from developing countries in association with the Centres of Excellence in various countries. The Centre also brings out scientific and technical books, monographs and other publications in different S&T subjects of interest to developing countries. The Centre's activities provide an opportunity for scientist-to-scientist contact and interactions; familiarizing participants on the latest developments and techniques in the subject areas; identification of the requirements of training and expert assistance; locating technologies for transfer between the Members and other developing countries and dissemination of S&T knowledge and information etc. In addition, the Centre encourages Academic R&D-Industry interactions in the developing countries through its NAM S&T-Industry Network. Details of NAM S&T Centre are available at [www.namstct.org](http://www.namstct.org).



### INTERNATIONAL SCIENCE, TECHNOLOGY AND INNOVATION CENTRE FOR SOUTH – SOUTH COOPERATION UNDER THE AUSPICES OF UNESCO (ISTIC)

The International Science, Technology and Innovation Centre for South-South Cooperation under the auspices of UNESCO (ISTIC) is a UNESCO Category 2 Centre hosted by the Malaysian Government since 2008. The Centre's creation follows the Doha Plan of Action, adopted by the Heads of State and Government of the Group of 77 and China during the Second South Summit in Doha, Qatar, from June 12-16, 2005. The Summit urged UNESCO to develop and implement a programme for South-South Cooperation in Science and Technology, aiming to facilitate the integration of a developmental approach into national science, technology, and innovation policies; build capacity in science and technology by providing policy advice and exchanging experiences and best practices; create a problem-solving network of Centres of Excellence in developing countries; and support the exchange of students, researchers, scientists, and technologists among developing countries. ISTIC acts as an international platform offering sustainable programmes and services, producing holistic talents towards institutional excellence, and augmenting sustainable development for South-South Cooperation. Details of ISTIC are available at [www.istic-unesco.org](http://www.istic-unesco.org).



<b>ISTIC - NAM S&amp;T CENTRE</b> <b>INTERNATIONAL TRAINING PROGRAMME ON</b> <b>STI POLICY: ROLES OF STI FOR EXCELLENCE IN COMMERCIALIZATION IN EMERGING ECONOMIES</b>	
<b>KNOWLEDGE COMPONENT</b>	
<b>MODULE - 1</b>	<b>UNDERSTANDING COMMERCIALIZATION</b> <ul style="list-style-type: none"> <li>• Commercialization in the STI continuum</li> <li>• STI commercialization and socio-economic development</li> <li>• Game-based learning</li> </ul>
<b>MODULE - 2</b>	<b>ECOSYSTEM OF COMMERCIALIZATION</b> <ul style="list-style-type: none"> <li>• Ecosystem to support commercialization</li> <li>• Online quizzes &amp; game-based learning</li> </ul>
<b>MODULE -3</b>	<b>STI POLICIES FOR COMMERCIALIZATION</b> <ul style="list-style-type: none"> <li>• Critical role and misconceptions of policy</li> <li>• STI for policy and policy for STI</li> <li>• Policy for STI commercialization</li> <li>• Online quizzes &amp; game-based learning</li> </ul>
<b>MODULE - 4</b>	<b>MAKING THE STI POLICIES WORK</b> <ul style="list-style-type: none"> <li>• Ideal policymaking process</li> <li>• Policymaking methodologies</li> <li>• Discordances in policymaking</li> </ul>

## **SUBMISSION OF APPLICATIONS**

### **Applicants from Member Countries of the NAM S&T Centre (except Malaysia)**

Candidates should submit their applications electronically to the Director General, NAM S&T Centre, New Delhi at [namstcentre@gmail.com](mailto:namstcentre@gmail.com) as early as possible but latest by **12 August, 2024 [Monday]**.

Eligibility: Scientists, researchers, and policymakers having academic qualification of at least M.Sc. or equivalent and engaged in STI Policy and Implementation.

The following documents must be submitted as e-mail attachments:

- a) Filled in Application Form (enclosed along with the announcement brochure);
- b) An Opinion (a short paragraph; in MS Word only) on how you qualify to participate in the Training Programme;
- c) A Short Biography (to be written in third person) highlighting the current engagement, area of expertise, major achievements, academic qualification and professional experience as succinctly as possible (250-300 words max).
- d) A Write-up (in MS-Word only) on the Country Status on the programmes related to STI Policy and Management;

e) Copy of the relevant pages of passport.

**Note: The documents (b), (c) and (d) above must be in MS-Word format only;** PDF or image files will not be accepted. Hard copies of the Application Form and the above attachments are NOT REQUIRED to be submitted.

### **Applicants from other developing Countries and Malaysia**

Candidates are requested to submit their application online. The link to the Google Forms is provided here – <https://forms.gle/tBJdGx39tJmthpzD9>

### **SELECTION OF APPLICANTS**

Selection of applicants will be made based on their academic and professional backgrounds. Successful applicants will be notified via email.

### **FINANCIAL ARRANGEMENTS FOR INTERNATIONAL TRAVEL**

The financial terms and arrangements for international travel of foreign participants will be conveyed to individual applicants on receipt of their application and other documents.

### **LOCAL HOSPITALITY**

Local hospitality in Malaysia including accommodation, meals and local transport including the airport transfers to the foreign participants sponsored by the NAM S&T Centre will be provided from **11<sup>th</sup> September 2024 [Noon]** to **15<sup>th</sup> September 2024 [Noon]** (i.e. from one day before to one day after completion of the Training Programme). The participants will have to make their own arrangements to stay beyond these dates.

### **ENTRY FORMALITIES AND IMMIGRATION**

Participants of the Training Programme must be in possession of a current passport or any other internationally recognized travel document, which must have a period of validity of at least six months beyond the period of stay in Malaysia and must be endorsed for travel to Malaysia.

Participants should have a valid visa for entry into Malaysia. The Malaysian diplomatic mission located in the country of the participant should be approached for obtaining an entry visa. For a large number of countries, however, online visa application is required. If required, the organizers will facilitate the issuance of visa by providing the participants with an official letter of invitation.

NOTE: The governments/institutions of the selected participants will be required to bear the following costs:

- All expenses in the home country incidental to travel abroad, including expenditure for passport, required medical examinations, vaccinations and miscellaneous expenses such as internal travel to the airport of departure in the home country.
- Salary and other related allowances for the participants during the period of the Training Programme.
- Cost of medical insurance to cover the period of participation in the Training Programme.

The organizers of this Training Programme will not assume responsibility for the following expenditure in connection with the participant's attendance in the programme:

- Expenses incurred with respect to any insurance, medical bills or hospitalization fees.
- Compensation in the event of death, disability or illness of participants.
- Loss of personal belongings or compensation for damage caused to them by climatic or other conditions.
- Other costs, including including visa fee, airport taxes, flight cancellation and excess baggage, etc..

#### **OTHER USEFUL INFORMATION**

- The average maximum and minimum temperatures in the month of September in Kuala Lumpur is 31°C and 23°C respectively.
- Malaysian Standard Time is +08 hours ahead of GMT.
- The Local Currency is Malaysian Ringgit (MYR); the current exchange rate of USD 1\$ = ~4.50 MYR.

#### **SECRETARIAT & ENQUIRIES**

<p>International Science, Technology and Innovation Centre for South-South Cooperation under the auspices of UNESCO (ISTIC), 902-4, Jalan Tun Ismail 50480 Kuala Lumpur, Malaysia <b>Tel:</b> +603-2694 9898 ext. 112 <b>Fax:</b> +603-2698 4549 <b>Email:</b> <a href="mailto:azimnoor@istic-unesco.org">azimnoor@istic-unesco.org</a> <b>Website:</b> <a href="http://www.istic-unesco.org">http://www.istic-unesco.org</a></p>	<p>Centre for Science &amp; Technology of the Non Aligned and Other Developing Countries (NAM S&amp;T Centre), Core – 6A, 2nd Floor, India Habitat Centre, Lodhi Road, New Delhi – 110003, India <b>Tel:</b> +91-11-24645134; 24644974 <b>Fax:</b> +91-11-24644973 <b>Email:</b> <a href="mailto:namstcentre@gmail.com">namstcentre@gmail.com</a> <b>Website:</b> <a href="https://www.namstct.org">https://www.namstct.org</a></p>
---	---



## TENTATIVE PROGRAMME

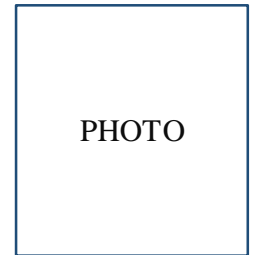
Time (MYT)	Day 1 (12.9.2024)	Day 2 (13.9.2024)	Day 3 (14.9.2024)
08:30 am - 09.00 am	Registration		
09:00 am - 09.30 am	Opening Ceremony	Module 3 F2F: STI Policies for Commercialization	Group Work Day-3
09:30 am - 10:30 am	Module 1 F2F: Understanding Commercialization: The PEN	Game-based Learning (Kahoot)	
10:30 am - 10:45 am	Game-based Learning (Kahoot)	Online Quiz Module 3	Preparation for Presentation
11:00 am - 11:15 am	Coffee Break		
11:15 am - 11:30 am	Online Quiz Module 2	Online Quiz Module 4	Group Presentation and Evaluation
11:30 pm - 01:00 pm	Module 2 F2F: Ecosystem for Commercialization	Module 4 F2F: Making the STI Policies Work Game-based Learning (Kahoot)	
01:00 pm - 01:15 pm	Game-based Learning (Kahoot)	Lunch & Friday Prayer	
01:15 pm - 01:30 pm			
01:15 pm - 02:30 pm	Lunch		Lunch
02:30 pm - 04:30 pm	Group Work Day 1	Group Work Day 2	Group Presentation and Evaluation – cont'd
04:30 pm - 04:45 pm	Tea Break	Tea Break	Closing and Prize Giving Ceremony
04:45 pm - 07:00 pm	Continue Group Work Day 1	Continue Group Work Day 2 and Discussion for Day 3 Presentation	End of Programme

**INTERNATIONAL TRAINING PROGRAMME  
ON  
STI POLICY: ROLES OF STI FOR EXCELLENCE IN  
COMMERCIALIZATION IN EMERGING ECONOMIES**

**12-14 SEPTEMBER, 2024  
KUALA LUMPUR, MALAYSIA**

**APPLICATION FORM**

PLEASE TYPE OR USE BLOCK CAPITALS  
(NO COLUMN SHOULD BE LEFT BLANK)



**SECTION-A**

(To be filled in by the Applicant)

- 1 First Name (Prof. /Dr. /Mr. /Mrs. /Ms.): .....  
*(As in Passport)*  
Middle Name: .....  
Last Name: .....
  - 2 Designation (Position held): .....
  - 3 Nationality: .....
  - 4 Date of Birth: .....  
Place of Birth (City) .....(Country).....
  - 5 Passport No: .....Place of issue: .....  
Date of Issue: .....Valid up to: .....
- (Please **attach** copies of the relevant pages of your Passport)*
- 6 Name of the Parent Institution (Employer): .....  
Full Address (Office): .....  
.....  
Phone: ..... Fax: .....  
E-mail: .....
  - 7 Full Address (Home): .....  
.....  
Phone: ..... Mobile: .....  
Fax: ..... E-mail: .....

- 8 Educational Qualifications: Highest Degree. ....  
 Year of Award: ..... University: .....  
 Field of Study: .....
- 9 A Short Biography (to be written in third person; in MS Word only).....
- 10 An Opinion (a short paragraph; in MS Word only) on how you qualify to participate in the Training Programme;
- 11 A Write-up (in MS Word only) on the Country Status on the programmes related to STI Policy and Management;

Date: ..... Signature: .....

**SECTION-B**

**ENDORSEMENT BY THE NOMINATING AUTHORITY**

*(The Applicant in a Member Country of the NAM S&T Centre must get the Application Form endorsed by the Focal Point of the Centre in his/her country, if he/she wishes to take advantages extended to the official nominee of the country. For the list of Member Countries and names/ addresses of the Focal Points please visit the Centre’s official website; [www.namstct.org](http://www.namstct.org).)*

Signature: .....

Name (in full): .....

Designation: .....

Date: .....

**SEAL**

**Enclosures:**

- An Opinion (a short paragraph; in MS Word only) on how you qualify to participate in the Training Programme;
- A Short Biography (to be written in third person; in MS Word only) highlighting the current engagement, area of expertise, major achievements, academic qualification and professional experience as succinctly as possible(250-300 words max).
- A Write-up (in MS Word only) on the Country Status on the programmes related to STI Policy and Management;
- Copy of the relevant pages of passport

\*\*\*\*\*